UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 1

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## JANUARY, 1959

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UNITED ARAB REPUBLIC

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# CONTENTS


| | Page |
|---|---|
| Foreward ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... | 1 |
| Notes on Tables... ... ... ... ... ... ... ... ... ... ... ... ... ... | 3-8 |
| List of Stations Appearing in the Report ... ... ... ... ... ... ... ... | 9 |
| **General Summary of Weather Conditions** ... ... ... ... ... ... ... .. | 11-14 |

**Surface Data**

| | |
|---|---|
| **Table A 1.**—Monthly Mean Values of Atmospheric Pressure, Air Temperature and Relative Humidity at Fixed Hours. ... ... ... ... ... ... ... ... | 15,16 |
| „ A 2.—Maximum and Minimum Air Temperatures (°C)... ... ... ... ... ... | 17,18 |
| „ A 3.—Rainfall, Snow, Bright Sunshine, Cloudiness and Evaporation ... ... | 19.20 |
| „ A 4.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... | 21 |
| „ A 5.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... ... ... ... | 22-24 |
| „ A 6.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed within Specified Ranges at the Synoptic Hours. ... ... ... | 25-56 |

**Upper Air Data**

| | |
|---|---|
| **Table B 1.**—Upper Air Climatological Data ... ... ... ... ... ... ... ... ... | 57-59 |
| „ B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air... ... ... ... ... ... ... | 60-61 |
| „ B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. | 62-67 |

**Agro-Meteorological Data**

| | |
|---|---|
| **Review of Agro-Meteorological Station at Giza** ... ... ... ... ... ... ... ... | 68 |
| **Table C 1.**—Air Temperature at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 cms. above Ground on Different Fields ... ... ... | 69 |
| „ C 2.—Wind Speed, Relative Humidity and Vapour Pressure at 2 Metres above the Ground, (Solar + Sky) Radiation, Sunshine Duration, Evaporation and Rainfall. ... ... ... ... ... ... ... ... ... ... | 70 |
| „ C 3.—Extreme Soil Temperatures at Different Depths in Different Fields. | 71 |
| „ C 4.—Number of Days of Surface Wind Speed at 10 Metres Reaching Specified Limits of Velocity for at Least 5 Minutes ... ... ... ... ... ... ... | 71 |

# FOREWARD

SINCE 1909 the Meteorological Department of Egypt has been issuing regularly the Monthly Weather Report giving a brief summary of the weather conditions prevailing over Egypt during the month. These reports used to include a table giving limited climatological data for some selected surface observations.

On January 1954, the Monthly Weather Report has been revised and the general summary of the weather conditions has been extended to give a more detailed description of the synoptic situations and the associated weather prevailing during the month.

On February 1955 a further extension took place, the general summary of the weather conditions has been classified into different items to give more comprehensive information. More detailed surface climatological tables for selected stations and tables for miscellaneous weather phenomena have been added to the report.

On January 1956, the climatological tables included in the Report have been extended to include upper air climatological data to meet the increasing demand for this information.

In addition the full text of the monthly report of the standard observations taken at the Central Agro-Meteorological Station at Giza has been included is this report instead of issuing it as a separate bulletin.

On January 1957, the Report has been completely revised, a new set of meteorological tables has been introduced to give, as far as possible, complete information for surface and upper air data from a more and representative network of stations.

In addition a general review of the observations taken in the fields of the Plant Breeding Farm at Giza is inculded in the report. The review gives a brief summary of the characteristic features of the different Meteorological and Micro-Meteorological elements of the month, more weight is given in this review to those elements which are of interest to agriculturists.

Since January 1956, the Meteorological Department of Syria has been issuing a Monthly Climatological Report which contains climatological data for a few selected surface stations in Syria. On December 1956 ; this report has been extended to include upper air data ; on July 1957, the report has been revised and issued in a more detailed form to meet the increasing demand for a more detailed climatological data for the Syrian territory.

As a result of the merging of Egypt and Syria in a single State, the United Arab Republic, on February 21, 1958 ; the Meteorological Department of Egypt and the Meteorological Department of Syria have been amalgamated in June 1958 into one Department " The Meteorological Department of the United Arab Republic ". Accordingly, the Monthly Reports issued by Egypt and Syria have been completely revised in form and contents in view of issuing a single Monthly Weather Report for the United Arab Republic.

Starting from the Report of January 1958, the Monthly Weather Report for The United Arab Republic included a detailed description of the synoptic situations and the associated weather experienced all over the month for both the Egyptian and the Syrian Regions. The Report included a new set of tables giving more detailed surface and upper air climatological data for selected stations in both Regions. The review of the Agro-Meteorological Station at Giza in the Egyptian Region and the normal observations made at the field of the Station were also included in the report.

In order to explain how the tables included in these Monthly Weather Reports have been compiled, detailed notes are included in this Report of January 1959 giving information about the instruments used and their exposure, the methods of observation and the methods of computing the means and frequencies.

Starting from the Report of January 1958, the Monthly Weather Report of the United Arab Republic carries serial reference in volume and number ; each year carries a serial number in volume, Number I being for January and 12 for December. The reference number of January 1958 is volume 1, number 1.

*Cairo, March 1959*

M. F. TAHA
*Director General.*
*Meteorological Department*

# NOTES ON TABLES

For the purpose of this Monthly Weather Report, the United Arab Republic is divided into vo Regions, the Southern Region, and the Northern Region, they are divided into eleven climatic istricts as follows.

| Southern Region | Northern Region |
|---|---|
| District I — Mediterranean Area | District VII — Coastal Area |
| „ II — Lower Egypt | „ VIII — Western Inland |
| „ III — Cairo Area | „ IX — Syrian Desert |
| „ IV — Upper Egypt | „ X — El Gezeira Area |
| „ V — Western Desert | „ XI — North Eastern Area |
| „ VI — Red Sea Area | |

The data included in the Report are based on observations made at the basic network of ynoptic stations together with some selected climatological stations which are indicated in the ıble shown on page 9 of this Report.

The data included in tables C1, C2, C3 and C4 are based on the observations taken at the entral Agro-Meteorological Station at Giza in the Southern Region. The observation field is ivided into several plots of the size of about 400 to 600 square metres ; three of these plots are sed for standard observations running throughout the whole year, the first serves as a dry and are field, the second as a wet and bare field and the third as a wet field covered with grass (libia).

he soil characteristics of this field are

| | |
|---|---|
| Top soil Type ... ... ... ... ... ... ... | Permeable clay. |
| Top soil depth ... ... ... ... ... ... ... | more than 1.5 metres. |
| Sub soil Type ... ... ... ... ... ... ... | clay loam and loam. |
| Degree and direction of slope of the ground. | Flat (0—0.3%). |
| Level of water table ... ... ... ... ... ... | 1.0 — 1.5 metres approximately. |

ABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS.

This table gives the monthly mean values of the atmospheric pressure corrected to the station vel, the dry bulb temperature and the relative humidity at the main synoptic hours of observations d their deviations from the corresponding normal values for the month.

The corrections for index, temperature, latitude and for the height of the barometer cistern ove the station level have been applied to the barometer readings to obtain the atmospheric essure corrected to the station level. The station level is the level of the ground on which the dinary raingauge stands ; in case of stations attached to aerodromes the station level is the level rresponding to the official height of the aerodrome above mean sea level.

Except for Giza station, the monthly mean values of the relative humidity (%) for a synoptic ur is derived from the mean readings of the daily dry and wet bulb thermometers using the llinks' Psychrometer Tables (Liepzig 1911) in the Southern Region. The corresponding tables ed in the Northern Region are based on Regnaults formula, the value of the atmospheric pressure taken as 1000 millibar ; the constants used are 0,00079 when the wet bulb is covered with liquid ter and 0.00069 when it is covered with ice. The values of saturated vapour pressure used in nputing these tables are those given in WMO Publication No. 8 " Guide to International Meteo- ogical Instrument and Observing Practices 1954 ". No correction for wind is applied in both gions. In the Northern Region corrections are applied for values of atmospheric pressure ow 990 mb. and above 1010 mb., in such cases the value of (T-T′) is taken as P/1000 (T-T′), ere P,T and T′ are the atmospheric pressure, the dry bulb temperature and the wet bulb nperature respectively.

The dry and wet bulb thermometers are of the mercury type and are freely exposed in louvred evenson screens of the Egyptian type in the Southern Region and of the Syrian type in the rthern Region ; no artificial ventilation is applied in both Regions. Except for Giza station, height of the bulbs above ground is about 140 to 150 centimetres in the Southern Region and m 150 to 160 centimetres in the Northern Region. For the height of the bulbs of the dry and t bulb thermometers at Giza and the derivation of the relative humidity from their readings, er to notes on Tables C 1 and C 2.

In the Southern Region, the normal values of the atmospheric pressure, the dry bulb tempe- ture and the relative humidity are computed for a period of 15 years or more in most cases ; r new stations these normal values are computed for a period not less than 5 years. In the rthern Region the normal values for these elements are computed for a period of 5 years.

The atmospheric pressure is expressed in millibars (one millibar=1000 dynes per square [illegible] at 0 °C in latitude 45°); temperatures

TABLE A 2.—MAXIMUM AND MINIMUM AIR TEMPERATURES.

This table contains the following information on air temperatures :

— The monthly mean values of the daily maximum and the daily minimum temperatures, their deviations from the corresponding normal values for the month and their arithmetic mean.
— the extreme values of the maximum and the minimum temperatures for the month and their dates of occurrences.
— the number of days with maximum temperatures above and with minimum temperatures below specified values of temperature.

Except for Giza station (refer to note in table C1), the maximum (mercury) and the minimum (alcohol) thermometers are freely exposed in louvred Stevenson screens of the types specified under notes on table Al ; the bulbs of these thermometers are at height of 160 to 170 centimetres above the ground in the Southern Region and 170 to 180 centimetres above the ground in the Northern Region.

As in the case of table A1, the normal values of air temperatures in the Southern Region are computed for a period of 15 years or more in most cases and not less than 5 years for new stations. In the Northern Region these normal values are computed for a period of 5 years.

The temperatures are given in degrees Celsius (°C).

TABLE A 3.—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS, AND EVAPORATION.

This table gives the following information on rainfall, snow, bright sunshine, cloudiness and evaporation.

— The total amount of rainfall during the month and its deviation from the corresponding normal for the month,
— the maximum amount of rainfall in one day and its date of occurrence,
— the number of days with amount of rainfall reaching or exceeding specified amounts,
— the maximum depth of snow measured and its date of occurrence,
— the total actual and the total possible durations of bright sunshine during the month ; the percentage of the actual with respect to the total possible,
— the mean sky cover at the main synoptic hours of observations,
— the mean daily amount of evaporation.

The amount of rainfall is measured by ordinary rain-gauges ; in addition recording rain-gauges are used in some selected stations. The rim of these gauges are at a height of 90 to 100 centimetres above ground in the Southern Region except for Giza station where the rim is at a height of 40 centimetres. In the Northern Region the height of the rim above ground is 60 centimetres for the ordinary rain-gauges and 150 centimetres for the recording types.

The rainfall for a given day is the amount of rain which has fallen during the 24 hours commencing at 0600 U.T. of that day ; when the amount of rain which has fallen is not large enough to be measured (0.05 millimetres or less) the term " Trace " is entered as " tr ". The amount of rainfall measured includes the water equivalent of solid precipitation, if any, such as hail and of rainwater which has frozen after falling.

The depth of snow is measured daily as a part of the main synoptic observations taken at the station at a spot near the rain-gauge far from drifted snow so that a fair sample measurement is obtained, the depth is measured with a ruler plunged vertically whatever the slope of the ground is. The maximum depth indicated in the table is the highest of all observations taken during the month.

The duration of bright sunshine is measured by Campbell-Stokes sunshine recorders which are suitably exposed. The total actual duration of bright sunshine for the month is the sum of the actual daily bright sunshine durations, the total possible duration for the month is the sum of the daily calculated periods between sunrise and sunset. In calculating the possible duration of sunshine for each day, the hours of cut-off for that day caused by obstacles, such as mountains, are eliminated from the possible duration with an ideal flat horizon.

In case of stations where the record of a day or more are missing, the total actual duration is given between brackets and a note is aaded at the end of the table giving the actual number of records (days) used in summing up this total actual. In such cases the corresponding total possible duration is also given in brackets and it is the sum of the possible duration of the days of the available records.

Evaporation readings are taken once daily at 0600 U.T. and give the evaporation for the previous 24 hours. Except for Giza (refer to notes on table C2), the evaporation readings are measured in the Southern Region by a Piche tube freely exposed in louvred screens of the Egyptian type ; the evaporation disc has an effective area of 10.1 centimetres square, white in colour and at a height of 140 to 150 centimetres above the ground. In the Northern Region evaporation is measured by the Lambrecht evaporation recorders exposed in louvred screens of the Syrian type at a height of 150 centimetres above the ground.

The rainfall and evaporation are given in millimetres, the snow depth in centimetres, the duration of bright sunshine in hours to the nearest decimal and the mean sky cover in oktas.

TABLE A 4.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

This table gives the number of days of occurrence of rain, snow, hail, thunderstorms, fog, mist, haze, sandstorms or duststorms, sandrising or dustrising, gales, cloudy skies and clear skies. Except for rain (see notes on table A3), days of occurrences of the weather phenomena are those days during which the phenomenon has occurred between 0001 and 2400 U.T. — The following definitions are used in compiling this table :

— Days of rainfall are those during which rainfall is 0.1 millimetre or more,

— days of snow are those during which snow, snow flakes, snow showers or ice pellets are observed at any time, even if it is so small in quantity as to yield no measurable amount in the rain-gauge,

— days of hail are those during which true hail, soft hail, small hail are observed at any time even if it is so small in quantity as to yield no measurable amount in the rain-gauge,

— days of thunderstorms are those during which thunder is heard at station whether lightning is seen or not ; days on which lightning is seen but thunder is not heard at the station are not included,

— days of fog are those during which the horizontal visibility fell below 1000 metres due to fog at the station,

— days of mist, sandrising or dustrising and haze are those during which the horizontal visibility has deteriorated but remained < 1000 metres at the station due to the prevalence of hydrometeors in the case of mist and to litheometeors in the case of the other phenomena,

— days of sandstorms or duststorms, are those days during which visibility fell below 1000 metres due to sand or dust at the station,

— days of gales are those days during which the mean surface wind speed reached 34 knots or more at the station for at least 10 minutes,

— days of cloudy skies are those days on which the mean cloud amount is 6/8 or more ; days of clear skies are those on which the mean cloud amount is less than 2/8. The mean cloud amount for the day is the mean of the 24 hours, or of the 8 synoptic hours or of the 4 main synoptic hours of cloud observations, according to the number of the routine observations taken at station.

TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES.

This table follows the general lines of Model B of chapter 12 Part 4 of the WMO Technical Regulations. It gives the number, in hours, of simultaneous occurrences of surface wind speed and direction recorded within specified ranges. In the Southern Region twelve ranges of direction of 30° each beginning with 345° true north are used ; in the Northern Region the wind direction is given on the sixteen compass points beginning with N denoting the true north. The ranges used for the wind speed in both Regions are (1—10), (11—27), (28—47), and greater or equal to 48 knots. A separate column for all directions and a separate row for all speeds are also included in the table for each station.

In preparing this table the mean hourly values of wind speed and direction are taken from the daily records of recording surface wind instruments ; the mean hourly values refer to a period of 60 minutes centered at the hour.

The term " variable " is used to denote winds of no definite direction over the period of 60 minutes or when the wind vane is sticking and not responding to the variation in the wind direction due to the lightness of wind ; in such cases the mean wind speed over this period is normally less than 5 knots.

The term " calm " is used to denote winds whose mean speed over the period of 60 minutes is less than one knot whatever the mean wind direction over that period is.

The number of hours during which the recording instrument failed to record is given under a separate column "Unrecorded ".

The instruments used for recording the surface wind are the Dines Pressure Tube Anemograph in the Southern Region ; in the Northern Region they are of the types Lambrecht Mechanical Anemograph No. 1480, the Fuess Electrical Universal Anemograph No. 90 Z or the Jules Richard Electromagnetic Anemograph.

Wind speeds are given in knots.

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

This table follows the general lines of Model B of chapter 12 part 4 of the WMO Technical Regulations. It gives the number of simultaneous occurrences of surface wind speed and direction observed within specified ranges ; the ranges for the speed and direction used are the same as those used in table A 5. A separate column for all directions and a separate row for all speeds are also included in the table for each station.

The mean wind speed and the mean wind direction over the period of ten minutes ending at the hour of observation is the surface wind observed at that hour. In preparing this table the routine surface wind observations taken at the synoptic hours are used, in case of stations which do not take observations at all the synoptic hours, the table is completed from the records of the recording surface wind instruments at these stations.

The terms " variable " and " calm " are used in the same sense as explained under table A5. The number of missing observations are entered under the column " not observed ".

Wind speeds are given in knots.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA.

This table follows the general lines recommended by the Commission for Climatology of the World Meteorological Organization Rec. 34 (CCl—I); it gives the following data for the surface of the station, the standard pressure surfaces and for a number of selected pressure surfaces at the standard times of upper air observations :

— The monthly mean value of the atmospheric pressure in millibars corrected to the station level ; the corresponding highest and lowest values observed during the month, the monthly mean values of air temperatures and dew points at the surface of the station ; the highest and lowest values of air temperature observed during the month at the surface.

— the monthly mean values of the heights, air temperatures and dew points at the pressure surfaces,

— the highest and lowest values of the heights and of the air temperatures of the pressure surfaces observed during the month,

— the number of observations taken during the month for each of the meteorological elements at the surface and at the pressure surfaces.

This table is based on observations taken by the radiosonde modulating frequency recording type in the Southern Region and the Vaisala radiosonde manual receiver in the Northern Region ; correction for radiation is applied in both regions.

The heights are given in geopotential metres above mean sea level, temperatures and dew points in degrees Celsius (°C.).

TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR.

This table gives the following upper air data taken at the standard times of upper air observations :

— The monthly mean values of the height, pressure and dew point of the freezing level together with the number of observations taken during the month for each element ; the heights, pressures and dew points of the highest and lowest freezing levels observed during the month for each hour of the upper air observations,

— the monthly mean values of the height, pressure and temperature of the first tropopause together with the number of observations taken during the month for each element ; the heights, pressures and temperatures of the highest and lowest tropopauses observed during the month for each hour of the upper air observation,

— the speed and direction of the highest wind speed for the month for each hour of the upper air observations ; the height and pressure at which this speed is observed.

This table is based on radiosonde observations (refer to notes on table B1) and on wind observations taken by SCR-658 and Metox radiotheodolites working on 403 mega cycles per second in the Southern Region and by ordinary theodolite in the Northern Region.

The first tropopause is determined in accordance with the definition adopted by the Executive Committee of the World Meteorological Organization Resolution 21 (EC-IX).

Heights are given in geopotential metres above mean sea level, temperatures and dew points in degrees Celsius, wind directions in degrees east of the true north on the scale (000-360°) and wind speeds in knots.

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

This table follows general lines recommended by the Commission for Climatology of the World Meteorological Organization Rec. 34 (CCl-I); it gives the following data for the surface of the station, the standard pressure surfaces and a number of selected pressure surfaces at the standard times of upper air observations :

— The number of occurrences of wind directions within specified ranges (n), and the mean scalar wind speed blowing from each of these ranges ($ff_m$),

— the mean scalar wind speed blowing from all directions and the number of observations taken during the month.

This table is based on observations by radiotheodolites in the Southern Region and by ordinary theodolites in the Northern Region ; refer to notes on table B 2.

Wind directions are given in degrees east of the true north on the scale (000-360°) and wind speeds in knots.

## Review of Agro-Meteorological Station at Giza.

During winter, the monthly review includes normally the durations of air temperature below 0°C in hours to the nearest half hour at the height of five centimetres above the mean top of grass (libia). The records of a mercury in steel recording thermometer are used for this purpose ; the sensitive part of the instrument is exposed in the open air and is mounted on a wooden support at the height indicated.

### TABLE C 1.—AIR TEMPERATURES AT 2 METRES ABOVE GROUND ; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5 CENTIMETRES ABOVE GROUND OVER DIFFERENT FIELDS.

The air temperatures appearing in this table are those measured at a height of approximately 2 metres above ground level ; it gives the following data :—

— The daily values of the maximum and the minimum air temperatures and the corresponding monthly mean values,

— the mean of the day, the night-time mean and the day-time mean air temperatures, day by day, and the corresponding monthly mean values,

— the duration, in hours to the nearest whole hour, of air temperatures above specified values, day by day, and the corresponding monthly total durations.

In addition, the extreme values of the maximum and the minimum air temperatures and their dates of occurrences are given at the end of the table.

The maximum (mercury), the minimum (alcohol) and the dry bulb (mercury-ventilated) thermometers are freely exposed in a louvred Stevenson screen of the Egyptian type ; the height of the bulbs of these thermometers are between 210 to 220 centimetres above ground.

The mean of the day of the air temperature is computed by using the formula [(06+12+18) U.T. dry bulb readings+minimum temperature] /4.

The night-time mean temperature of a given day is obtained graphically, to the nearest whole degree, from the record of a bimetallic thermograph exposed in the same screen, for the period from sunset of the previous day to sunrise of that day ; the day-time mean temperature is similarly obtained for the period from sunrise to sunset. The height of the bimetallic piece of the thermograph is 210 centimetres approximately above the ground.

The absolute minimum air temperatures at 5 centimetres above ground over dry soil, wet soil and grass (libia) and their dates of occurrences are given at the bottom of the table. The thermometers used for this purpose are of the ordinary minimum type (alcohol), freely exposed in the open air and are mounted on wooden supports ; the height of their bulbs is 5 centimetres approximately above the dry and wet soils and at 5 centimetres above the mean top of the grass (libia) respectively.

Temperatures are given in degrees Celsius (°C).

### TABLE C 2.—WIND SPPED, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE GROUND, (SOLAR+SKY) RADIATION, SUNSHINE DURATION, EVAPORATION, AND RAINFALL.

This table gives the following data :

— The mean of the day, the night-time and the day-time mean wind speed, day by day, and the corresponding monthly mean values,

— the (solar+sky) radiation day by day, the monthly mean value and the total radiation for the month,

— the actual and the possible duration of bright sunshine and the percentage of the actual duration with respect to the possible duration day by day and the corresponding monthly mean values ; the total actual and the total possible durations for the month and the percentage of the former to the latter,

— the duration of relative humidity above 90% and above 80%, the mean of the day of the relative humidity and the relative humidity at 1200 U.T. day by day ; the corresponding monthly mean values and the total duration of the relative humidity above those limits for the month,

— the mean of the day of the vapour pressure and the vapour pressure at 1200 U.T. day by day ; the corresponding monthly mean values,

— the evaporation taken by the Piche tube evaporimeter and by Class "A" evaporation pan day by day ; the corresponding monthly mean values and the total evaporation for the month,

— the amount of rainfall day by day, the monthly mean value and the total amount fallen during the month.

The night-time mean wind speed for a given day is obtained from the total run of air during the period 1600 U.T. of the previous day to 0600 U.T. of that day ; the day-time mean is similarly computed for the period 0600 to 1600 U.T. of the same day. The mean wind speed of the day is computed for the period of 24 hours from 1600 U.T. of the previous day. Wind speeds are given in metres per second.

The (solar+sky) radiation is obtained from the records of a Robitzsch Actinograph and is given in gram calories per centimetres square ; the Robitzsch values are regularly compared with the records of an Eppley Pyrheliometer installed at the station. In case of comparisons revealing differences of 5% or more, a correction sheet is issued during January giving the correction factor or factors, for the Robitzsch values for the preceeding year ; if the comparison reveals corrections of less than 5%, the sheet shall indicate that the Robitzsch values are satisfactory and are within the range of accuracy of the instrument.

The duration of bright sunshine is measured by a Campbell-Stokes sunshine recorder ; refer to notes on table A 3.

The duration of the relative humidity above 90% and above 80% are given to the nearest hour and are obtained graphically from a hair hygrograph exposed in the louvred Stevenson screen referred to in notes on table C 1 ; the height of the hair is 210 centimetres approximately above ground.

As from January 1959, the relative humidity is derived from the readings of ventilated dry and wet bulb mercury thermometers, freely exposed in the same screen, using the Aspirations-Psychrometer-Tafeln of the Deutschen Wetter Dienst 1955 ; the height of the bulbs is 210 centimetres approximately above the ground. The mean of the day of the relative humidity is computed using the formula (06+18) U.T. observations /2.

In addition to the routine observation taken at 0400 U.T. the vapour pressure observations are taken every 3 hours from 0600 to 1800 U.T.; their values are derived from the same Aspiration psychrometer tables. The mean of the day of the vapour pressure is computed using the formula (06+12+18) U.T. observations /3. Vapour pressures are given in millimetres of mercury.

Evaporation data are measured by Piche tube and by Class "A" evaporation pan ; the Piche tube is freely exposed in the open air, the evaporation disc has an effective area of 10.1 centimetres square, white in colour and at a height of 120 centimetres above dry soil. The Class "A" evaporation pan is of the type recommended by the Commission of Instruments and Methods of observation of the World Meteorological Organization Rec. 42 (CIMO-56). It is of a cylinderical shape, 25.4 centimetres deep, 120.6 centimetres in diameter (inside dimensions). The pan is freely exposed in the open air in the wet field covered with grass (libia), its rim at a height of 41 centimetres above ground far from obstacles such as buildings or trees.

Evaporation readings are taken daily at 0600 U.T. and gives the evaporation for the previous 24 hours. Evaporation is given in millimetres to the nearest millimetre for the Piche observations and to the nearest 0.01 millimetre for the pan observations.

Rainfall is measured by ordinary rain-gauge, the height of its rim is 40 centimetres above the ground and is given in millimetres ; refer to notes on table A 3.

In addition, the following information is given at the bottom of the table :

— The maximum amount of rainfall in one day in millimetres and its date of occurrence,
— the lowest value of the relative humidity and its date of occurrence as obtained from the record of the hair hygrograph,
— the extreme values of the vapour pressure in millimetres and their dates of occurrences as obtained from the daily routine observations of the month.
— Total potential evaporation in millimetres to the nearest tenth.
— Total potential evapo-transpiration for grass (libia) in millimetres to the nearest tenth.

The potential evaporation and the potential evapo-transpiration for grass (libia) are measured daily by the Popoff evapo-transpirometer. In the first case the cylinder of the Popoff is filled with local bare soil, in the second case the cylinder is filled with soil cultivated with grass (libia). The potential evaporation and the potential evapo-transpiration for grass for a given day are measured daily between 0700 and 0730 U.T. and it is the difference between the weights of the corresponding cylinders taken at that day before irrigating the cylinder and the weight of the cylinders of the preceeding day after its irrigation.

TABLE C 3.—EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS.

This table gives the extreme soil temperatures measured at different depths ranging from 0.3 centimetres to 300 centimetres in dry soil, wet soil and in grass (libia) fields.

The thermometers used are of the mercury type and are read regularly during the period 0400 U.T. to 1800 U.T. according to the following schedule :

— daily, every 2 hours for the 0.3, 1, 2, and 5 centimetres depths,
— daily, every 3 hours for the 10 and 20 centimetres depths,
— daily, every 6 hours for the 50 centimetres depth,
— once daily at 1000 U.T. for the 100 and 200 centimetres depths,
— once weekly for the 300 centimetres depth.

The temperatures are given in degrees Celsius (°C) to the nearest tenth of a degree.

TABLE C 4.—NUMBER OF DAYS OF SURFACE WIND SPEED REACHING OR EXCEEDING SPECIFIED LIMITS OF VELOCITY.

This table gives the number of days during which the wind speed has reached or exceeded specified values for at least 5 minutes at any time between 0001 and 2400 U.T. irrespective of its direction. It includes the highest gust recorded during the month and its date of occurrence.

In preparing this table, the daily records of the Dines Pressure Tube Anemograph for the month are used ; the highest gust refers to the highest excursion made by the velocity pen on the records during the whole month. The head of the instrument is at a height of 10 metres above ground level.

# LIST OF STATIONS APPEARING IN THE REPORT

| Station | Index number Iliii | Latitude °N | Longitude °E | Elevation (metres) | Height of wind recording instruments (metres) Above building | Height of wind recording instruments (metres) Above ground | Surface synoptic observations 00 | 03 | 06 | 09 | 12 | 15 | 18 | 21 | Hourly (H) Half hourly (h) | Upper Air observations Pilot ballon(P) Radio sonde (R) Radio wind (W) 00 | 06 | 12 | 18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Northern Region** | | | | | | | | | | | | | | | | | | | |
| bleh ... ...(A) ... | 40.025 | 35 22 | 35 55 | 14 | 4 | 11 | + | + | + | + | + | + | + | + | H (0000-2400) | P | P | P | P |
| uka ... ... ... ... | 041 | 35 32 | 35 48 | 50 | 10 | 10 | | | + | | + | | — | | — | | — | | — |
| rtous ... ... ... ... | 056 | 34 53 | 35 53 | 15 | 10 | 10 | | | + | | + | | + | | — | | — | | — |
| miascus ... ...(A) ... | 079 | 33 29 | 36 14 | 729 | 10 | 10 | + | + | + | + | + | + | + | + | h (0000-2400) | P | P | P | P |
| eppo ... ...(A) ... | 007 | 36 11 | 37 13 | 391 | 4 | 18 | + | + | + | + | + | + | + | + | H (0000-2400) | PR | P | PR | P |
| ama ... ... ...(A) ... | 030 | 35 08 | 36 45 | 316 | 4 | 11 | + | + | + | + | + | + | + | + | H (0000-2400) | | | — | |
| oms ... ... ... ... ... | 064 | 34 45 | 36 43 | 487 | — | — | | | + | | + | | + | | — | | | — | |
| harabo ... ... ... ... | — | 33 30 | 36 28 | 620 | 10 | 20 | | | + | | + | | — | | — | | | — | |
| lamiyie ... ... ... ... | 052 | 35 00 | 37 02 | 500 | 8 | 8 | | | + | | + | | | | — | | | — | |
| eselmiyie ... ... ... | 018 | 36 20 | 37 13 | 425 | 10 | 20 | | | + | | + | | + | | — | | | — | |
| iq ... ... ... ... ... | 091 | 32 46 | 35 42 | 339 | 2 | 6 | + | + | + | + | + | + | + | + | H (0000-2400) | | | — | |
| ell Shihab ... ... ... | 092 | 32 42 | 35 59 | 430 | — | — | | | + | | + | | + | | — | | | — | |
| almyra ... ...(A) ... | 061 | 34 33 | 38 18 | 404 | 3 | 8 | | | + | + | + | + | + | | — | | | — | |
| eir Ezzor ... ...(A) ... | 045 | 35 20 | 40 09 | 203 | 3 | 30 | + | + | + | + | + | + | + | + | H (000 -2400) | | | — | |
| aqqa... ... ... ... ... | 039 | 35 57 | 39 00 | 251 | 4 | 11 | + | + | + | + | + | + | + | + | H (0000-2400) | | | — | |
| amishlie ... ...(A) ... | 001 | 37 03 | 41 13 | 467 | 4 | 12 | + | + | + | + | + | + | + | + | H (0000-2400) | | | — | |
| ell Tamer... ... ... ... | 013 | 36 40 | 40 23 | 335 | — | — | | | + | | + | | + | | — | | | — | |
| **Southern Region** | | | | | | | | | | | | | | | | | | | |
| allum... ... ... ... ... | 62.300 | 31 33 | 25 11 | 4 | — | — | + | + | + | + | + | + | + | + | H (0000-2400) | P | P | P | P |
| ldi Barrani ... ... ... | 303 | 31 38 | 25 58 | 21 | 10 | 14 | | | + | + | + | + | + | | H (0600-1800) | | | P | |
| ersa Matruh ...(A) ... | 306 | 31 20 | 27 13 | 31 | 8 | 15 | + | + | + | + | + | + | + | + | h (0000-2400)) | RW | P | RW | P |
| abaa ... ... ... ... | 309 | 31 56 | 28 28 | 17 | — | — | | | + | | — | | + | | — | | | — | |
| lexandria ...(A) ... | 318 | 31 12 | 29 57 | — 3 | 10 | 18 | + | + | + | + | + | + | + | + | h (0000-2400) | P | P | P | P |
| ekheila ... ...(A) ... | 316 | 31 08 | 29 48 | — | 7 | 15 | + | + | + | + | + | + | + | + | — | | | — | |
| amietta ... ... ... ... | 330 | 31 25 | 31 49 | 3 | — | — | | | + | | + | | + | | — | | | — | |
| ort Said ... ...(A) ... | 333 | 31 17 | 32 14 | 1 | 10 | 19 | + | + | + | + | + | + | + | + | h (0000-2400) | P | P | P | P |
| l Arish ... ... ... ... | 336 | 31 07 | 33 45 | 10 | 10 | 15 | + | + | + | + | + | + | + | + | H (0000-2400) | P | P | P | P |
| hazza ... ... ... ... | 338 | 31 30 | 34 27 | 10 | — | — | + | + | + | + | + | + | + | + | H (0000-2400) | | | — | |
| amanhour ... ... ... | 339 | 31 02 | 30 28 | 4 | — | — | | | + | | + | | + | | — | | | — | |
| ansoura ... ... ... ... | 342 | 31 03 | 31 23 | 6 | — | — | | | + | | + | | + | | — | | | — | |
| anta ... ... ... ... ... | 348 | 30 47 | 31 00 | 14 | — | — | | | + | + | + | + | + | | H (0600-1800) | | | — | |
| hebin El Kom... ... ... | 360 | 30 36 | 31 01 | 12 | — | — | | | + | | + | | + | | — | | | — | |
| agazig ... ... ... ... | 354 | 30 35 | 30 31 | 12 | — | — | | | + | | + | | + | | — | | | — | |
| aher ... ... ...(A) ... | 365 | 30 24 | 31 35 | — | 10 | 18 | | | + | + | + | + | + | | — | | | — | |
| Wadi El Natrun ... ... | 357 | 30 23 | 30 21 | — 1 | — | — | | | + | + | + | + | + | | H (0600-1800) | | | — | |
| bu Sueir ... ...(A) ... | 438 | 30 34 | 32 06 | — | — | — | + | + | + | + | + | + | + | + | h (0000-2400) | P | P | P | P |
| airo ... ... ...(A) ... | 366 | 30 08 | 31 34 | 95 | 14 | 18 | + | + | + | + | + | + | + | + | h (0000-2400) | RW | P | RW | P |
| lmaza ... ...(A) ... | 372 | 30 06 | 31 22 | 74 | 10 | 25 | + | + | + | + | + | + | + | + | H (0000-2400) | | | — | |
| bbasiya (H.Q.)* ... ... | 371 | 30 05 | 31 17 | 33 | 10 | 17 | + | + | + | + | + | + | + | + | H (0000-2400) | | | — | |
| ostafa Helmi... (A) ... | 368 | 30 07 | 30 55 | — | 8 | 12 | + | + | + | + | + | + | + | + | H (0000-2400) | | | — | |
| iza ... ... ... ... ... | 375 | 30 02 | 31 13 | 21 | 8 | 10 | | | + | + | + | + | + | | H (0400-1800) | | | — | |
| elwan ... ... ... ... | 378 | 29 52 | 31 20 | 112 | — | — | | | + | + | + | + | + | | — | | | — | |
| ayoum ... ... ... ... | 381 | 29 18 | 30 51 | 30 | — | — | | | + | | + | | + | | — | | | — | |
| eni Suef ... ... ... ... | 384 | 29 04 | 31 06 | 28 | — | — | | | + | | + | | | | — | | | — | |
| inya ... ... ...(A) ... | 387 | 28 05 | 30 44 | 39 | 7 | 10 | + | + | + | + | + | + | + | + | H (0000-2400) | P | P | P | P |
| syout ... ...(A) ... | 393 | 27 11 | 31 06 | 71 | | | + | | + | + | + | + | + | + | H (0000-2400) | P | P | P | P |
| ag Hammadi ... ... ... | 399 | 26 03 | 32 15 | 69 | — | — | | | + | | + | | + | | — | | | — | |
| ena ... ... ... ... ... | 402 | 26 10 | 32 43 | 73 | — | — | | | + | | + | | + | | — | | | — | |
| uxor ... ... ...(A) ... | 405 | 25 40 | 32 42 | 95 | 7 | 15 | + | + | + | + | + | + | + | + | h (0000-2400) | P | P | P | P |
| swan ... ... ... ... | 414 | 24 02 | 32 53 | 104 | — | — | + | + | + | + | + | + | + | + | H (0000-2400) | RW | P | RW | P |
| swan** ... ... (A) ... | 414 | 23 58 | 32 47 | 196 | — | — | + | + | + | + | + | + | + | + | h (0000-2400) | RW | P | RW | P |
| iwa ... ... ... ... ... | 417 | 29 12 | 25 29 | —15 | 10 | 17 | + | + | + | + | + | + | + | + | H (0000-2400) | P | P | P | P |
| ahariya ... ... ... ... | 420 | 28 20 | 28 54 | 128 | — | — | + | + | + | + | + | + | + | + | H (0000-2400) | P | P | P | P |
| arafra ... ... ... ... | 423 | 27 03 | 27 58 | 90 | — | — | + | + | + | + | + | + | + | + | H (0600-2400) | P | P | P | P |
| akhla ... ... ... ... | 432 | 25 29 | 29 00 | 110 | 10 | 15 | + | + | + | + | + | + | + | + | H (0000-2400) | P | P | P | P |
| harga ... ... ... ... | 435 | 25 26 | 30 34 | 72 | — | — | | | + | + | + | + | + | | H (0600-1800) | | | P | |
| uez ... ... ... ... ... | 450 | 29 56 | 32 33 | 5 | — | — | | | + | | + | | + | | — | | | — | |
| or ... ... ... ... ... | 459 | 28 14 | 33 37 | 3 | — | — | + | + | + | + | + | + | + | + | H (0000-2400) | P | P | P | P |
| urghada ... ... ... ... | 462 | 27 17 | 33 46 | 1 | 8 | 12 | + | + | + | + | + | + | + | + | H (0000-2400) | P | P | P | P |
| useir... ... ... ... ... | 465 | 26 08 | 34 18 | 8 | — | — | + | + | + | + | + | + | + | + | H (0000-2400) | P | P | P | P |

(A) Station attached to aerodrome.

(o) The height of the ground on which the rain-gauge stands above the mean sea level; in case of stations attached to aerodromes it is the official height of the aerodrome above the mean sea level.

(*) The Head Quarters of the Meteorological Department, Cairo.

(**) Aswan meteorological station was transferred to Aswan (A) since 1st December 1959.

# GENERAL SUMMARY OF WEATHER CONDITIONS

## JANUARY 1959

**Mild and rather warm in general with three prevailing cold and rainy periods**

### *THE MAIN FEATURES*

— Three cold and rather short waves.

— Variant monthly rainfall amounts, excessively high over scattered few localities and deficiently low over many districts.

— *Five* secondary depressions over *East Mediterranean.*

— Prevalence of the W/SW winds most days of the month.

### *GENERAL DESCRIPTION OF WEATHER*

This month was mild in general and rather warm, with the exception of three cold and rather short periods. The first cold wave was experienced round the second week, while the rest two cold waves appeared round the periods (18th - 25th) and (29th - 31st).

The monthly district station ground barometric pressure was rather normal and *its departure did not exceed normal* values by 0.7mb.

The monthly district relative humidity was generally below normal and its departure did not exceed 10%. As an exception it was slightly above normal in the Upper Egypt disrict.

The monthly district maximum temperature was generally above normal over the Northern Region and rather normal over the Southern Region. The monthly district minimum temperature was above normal over both Regions with the exception of the Desert districts in both Regions and El Gezeira district in the Northern Region.

The monthly district rainfall exceeded its normal over the coastal districts of the Republic and the Lower Egypt district of the Southern Region. Elsewhere it was below its normal with remarkable deficiency over the residual districts of the Northern Region.

The mean daily relative humidity for the month in the Northern Region was 71% at Jableh, 75% at Aleppo, 71% at Damascus, 81% at Homs, 69% at Deir Ezzor and 62% at Qamishlie. In the Southern Region it attained 61% at Mersa Matruh, 67% at Alexandria, 70% at Port Said, 65% at Tanta, 62% at Cairo (A), 58% at Almaza, 56% at Minya, 47% at Asyout, 62% at Luxor, 59% at Siwa and 54% at Suez.

### PRESSURE DISTRIBUTION

The general features of the pressure distribution on the surface map during this month can be summarized in:

— The deep northern travelling depressions north of latitude 45°N traversing Europe from the west to the east or from the SW to the NE directions. These depressions were generally of large vertical structure. They were reflected aloft up to more than the 500mb. level.

— The southwest *ridge of the* Siberian anticyclone and its extension towards the Middle East and East Mediterranean Regions.

— The high pressure belt over North Africa at the southeast ridge of the *Atlantic anticyclone.*

— Cyclogenesis over Central and East Mediterranean.

During this month five secondary depressions developed over Italy, Greece and Balkans at the southern parts of the deep travelling northern depressions. These secondary depressions, when attached to the main primary trailing cold fronts deepened appreciably and enlarged in area eastwards till Asia Minor round the periods (1st-5th), (9th - 10th), (13th - 14th), 15th - 18th) and (23rd - 31st) respectively. Their reflection aloft in the upper levels extended to the 500mb. level at the south arm of the planetary northern wave that persisted most of this month in the higher latitudes.

Accordingly the barometric pressure over East Mediterranean fell gradually to a minimum within the above five periods and its fall was pronounced during the fifth period (10 - 15mbs.).

Apart from the above five periods the atmospheric pressure over East Mediterranean in particular rose gradually to successive maxima and high pressure built up. The siberian anticyclone west and south-west ridges operated practically over the Balkans and East Mediterranean Regions respectively round the period (19th-22nd), while the Atlantic anticyclone south-east ridge established over both North Africa and Mediterranean Regions round the rest periods (6th-8th), (11th-12th), (19th - 22nd) and (29th-31st). The rise in the barometric pressure above its normal was considerable round the period (20th - 22nd).

## SURFACE WIND

### NORTHERN REGION

The prevailing winds during this month were SEly over the Coastal district, variable over the southern part of the Western Inland district and N/NEly elsewhere.

The surface wind speed showed a marked variation from district to district. Thus over the Coastal district, the prevailing winds were moderate/strong during period (1st-5th), light/moderate afterwards till the 27th and strong/gale up till the 31st.

Over the Desert and El Gezeira districts, the prevailing winds were light/moderate the whole month. Over the North Eastern district, the prevailing winds were moderate/fresh on the 1st and during the period (27th-29th), light/moderate during periods (2nd-17th), (23rd-26th) & (30th-31st) and were fresh/strong during period (18th-22nd). In the Western Inland district, the prevailing winds were light/moderate during periods (1st-5th), (8th-16th) & (25th-28th), moderate/fresh during periods (6th-7th) & (21st-24th) and were moderate/strong most of the periods (18th-20th) & (29th-30th).

Gales were reported at, Jableh on the 6th, 29th, 30th and 31st; Damascus on the 18th; Hamà on the 30th; Homs on the 2nd & 30th; Kharabo on the 18th, 30th & 31st ; Meselmiyie on the 20th & 21st and at Tell Shihab on the 30th & 31st.

### SOUTHERN REGION

Moderate/fresh W/SW winds prevailed over the northern part of the Region in advance of the travelling secondary depressions and veered to NWly at their rear. The prevailing winds over Upper Egypt were generally light/moderate NWly.

Strong winds accompanied the cold fronts' transits over the Mediterranean coastal areas.

Gales were reported at, Sidi Barrani on the 18th & 26th ; Mersa Matruh on the 20th; Alexandria on the 18th; Abu Sueir on the 18th, 19th & 30th and at Quseir on the 15th & 20th.

## TEMPERATURE

Maximum temperature over the Southern Region, the Coastal and the Western Inland districts of the Northern Region, oscillated above normal in general most of the month with the exception of the periods (6th-8th), (18th - 22nd) & (29th - 31st) during which it was to a moderate extent (2°C-6°C) below its normal. The second cold waves showed a wide prevalence over both Regions of the Republic, though it was the coldest wave in the Southern Region. The third cold wave was light and undetectable over the Desert, El Gezeira and the North Eastern districts of the Northern Region.

The absolute maximum temperature for the Northern Region was 23.5°C at El Himmeh (195 metres below Sea level) on the 13th, while its value for the Southern Region was 32°C at Aswan on the 4th.

Minimum temperature, over the Southern Region was above normal the first week, below normal most of the 2nd week and most of the last third of the month. Otherwise it was above normal in the northern districts and below normal in the southern districts.

The minimum temperature, over the Northern Region was above normal most of the month with the exception of the Desert district where it oscillated below normal during most of the first half of the month and oscillated above normal the second half.

The absolute minimum temperature for the Northern Region was -6.0°C at Tell Alo on the 17th, while its value for the Southern Region was -4.0°C at Dakhla on the 30th.

## PRECIPITATION

### NORTHERN REGION

The monthly rainfall did not exceed 20mms. over each of the Desert and El Gezeira districts. Over the North Eastern district it was within the limit (70-100mms.), though it rose up to 160mms. in the north eastern boarder. The Western Inland district received about 40 mms. in its northen parts and about 100mms. in its NW parts. The Coastal district received more than 200mms., while the mountainous localities received from 250-300mms.

The greatest fall of rain in 24 hours was 80.0 mms. at Ein Sheikh Bader on the 19 th.

Precipitation during this month fell round the periods (5th - 8th), 15th, (18th-20th) and (30th-31st) and was mainly in the form of showers which was accompanied sometimes with hail over scattered localities in the Coastal and Western Inland districts together with few localities (Abo Kamal) in the Gezeira district.

### SOUTHERN REGION

Moderate rain fell over the Mediterranean coastal area during the periods (6th-7th), (14th-15th), (18th-21st) and (29th-31st). It extended inland southwards as far as Cairo Area while decreasing in intensity. Alexandria (Dekheila) reported a fall of 20.1 mms. on the 20th which was the maximum rainfall in one day over the Southern Region.

## MISCELLANEOUS WEATHER PHENOMENA

### NORTHERN REGION

**Thunderstorms** occurred at, Jableh on the 5th, 12th, 15th, 18th & 31st; Hama on the 18th and at Qamishlie on the 7th & 20th.

**Fog patches** developed at, Damascus on the 9th ; Aleppo on the 8th, 9th, 10th, & 11th ; Hama on the 5th, 6th, 9th, 10th, 16th & 17th ; Homs on the 6th, 11th, 13th & 15th ; Palmyra on the 12th; Deir Ezzor on the 10th; Raqqa on the 14th & 24th ; Qamishlie on the 30th and at Tell Tamer on the 24th.

**Mist patches** developed at, Damascus on the 4th, 10th, 15th, 18th & 25th ; Aleppo on the 7th, 10th, 16th & 22nd ; Hama on the 13th & 14th ; Palmyra on the 10th, 13 & 25th; Deir Ezzor on the 28th and at Raqqa on the 10th, 25th & 30th.

**Local rising sand or dust** was reported at, Deir Ezzor on the 28th & 29th and at Raqqa on the 5th, 27th, 28th & 29th.

### SOUTHERN REGION

**Hail** fell over Alexandria on the 29th.

**Thundrestorms** occurred at Alexandria on the 18th and Port Said on the 21st.

**Early morning fog patches** developed at, Alexandria on the 13th & 14th ; Port Said on the 13th; Abu Sueir on the 11th & 14th ; Abbasiya on the 22nd; Mostafa Helmi (A) on the 14th & 21st and at Minya on the 11th.

**Mist patches** developed at, Port Said on the 14th; El Arish on the 10th, 11th, & 12th ; Abu Sueir on the 1st, 2nd, 4th, (10th to 15th), 17th, 21st, 22nd, 23rd, 25th & 26th ; Cairo (A) on the 6th, 11th, 14th, 15th, 16th & 21st ; Almaza on the 6th, 11th & 21st ; Mostafa Helmi (A) on the 14th & 21st and at Minya on the 5th, 11th, 14th & 17th.

**Sand or duststroms** blew over, El Arish on the 19th; Abu Sueir on the 7th, 18th, 19th & 30th and over Mostafa Helmi (A) on the 7th, 18th & 30th.

**Local rising sand or dust** , was reported at, Sallum on the 6th & 26th ; Sidi Barrani on the 18th, 26th & 28th; Mersa Matruh on the 18th; El Arish on the 7th, 18th, 30th & 31st ; Abu Sueir on the 15th, 29th & 31st ; Cairo (A) on the 18th, 30th & 31st ; Almaza (A) on the 18th & 30th ; Mostafa Helmi (A) on the 6th, 19th, 27th & 29th ; Hurghada on the 15th, and at Quseir on the 19th, 20th & 31st.

M. F. Taha

*Director General*

*Meteorological Department*

*Cairo : May 8, 1960*

TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

JANUARY 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative Humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh ... (A) ... | 12 | 1014.5 | — | 1014.6 | — | 1013.6 | — | 1014.8 | — | 11.4 | +0.9 | 11.4 | +1.1 | 16.3 | +1.1 | 12.8 | +1.3 | 74 | 0 | 74 | 0 | 62 | — 1 | 74 | +1 |
| | Bouka ... ... ... | 50 | — | — | — | — | — | — | — | — | 10.3 | — | 10.6 | — | 14.8 | — | 11.6 | — | 75 | — | 76 | — | 66 | — | 74 | — |
| | Tartous ... ... ... | 15 | — | — | — | — | — | — | — | — | 11.0 | — | 12.7 | — | 15.8 | — | 13.1 | — | 74 | — | 71 | — | 64 | — | 69 | — |
| Western Inland | Damascus (A) ... | 724 | 933.8 | +0.5 | 934.4 | +0.8 | 932.9 | +0.7 | 933.7 | +0.6 | 5.7 | +0.5 | 5.1 | +0.1 | 12.3 | +0.6 | 7.9 | +0.4 | 78 | —1 | 82 | —2 | 53 | — 5 | 70 | —2 |
| | Aleppo ... (A) ... | 391 | 971.3 | +0.7 | 972.0 | +1.0 | 970.6 | +0.4 | 971.5 | +0.7 | 5.3 | +1.2 | 4.9 | +1.3 | 11.4 | +1.6 | 7.6 | +1.3 | 82 | —4 | 82 | —6 | 58 | —14 | 77 | —6 |
| | Hama ... ... (A) ... | 313 | 979.6 | — | 980.3 | — | 978.7 | — | 979.7 | — | 5.5 | — | 4.8 | — | 11.9 | — | 8.1 | — | 90 | — | 88 | — | 67 | — | 82 | — |
| | Homs ... ... ... ... | 487 | — | — | — | — | — | — | — | — | 4.1 | —0.8 | 6.0 | +1.3 | 11.2 | +0.9 | 6.5 | +1.8 | 88 | 0 | 82 | —5 | 67 | — 7 | 87 | +1 |
| | Kharabo ... ... ... | 620 | — | — | — | — | — | — | — | — | 2.7 | — | 4.0 | — | 13.1 | — | 6.5 | — | 89 | — | 86 | — | 53 | — | 80 | — |
| | Salamiyie ... ... ... | 500 | — | — | — | — | — | — | — | — | 4.0 | — | 4.7 | — | 11.6 | — | 6.6 | — | 92 | — | 90 | — | 71 | — | 89 | — |
| | Meselmiyie ... ... ... | 425 | — | — | — | — | — | — | — | — | 4.2 | — | 5.3 | — | 11.3 | — | 6.8 | — | 73 | — | 80 | — | 61 | — | 79 | — |
| | Fiq ... ... ... ... | 337 | 976.7 | — | 976.9 | — | 975.5 | — | 976.6 | — | 8.5 | — | 8.6 | — | 14.7 | — | 11.4 | — | 71 | — | 72 | — | 56 | — | 68 | — |
| | Tell Shihab ... ... | 250 | — | — | — | — | — | — | — | — | — | — | 7.6 | — | 15.4 | — | 8.7 | — | 81 | — | 84 | — | 57 | — | 78 | — |
| Desert | Palmyra ... (A) ... | 404 | 971.1 | — | 972.1 | — | 970.3 | — | 971.1 | — | 4.8 | — | 3.7 | —0.2 | 13.4 | +1.5 | 8.6 | +0.8 | 79 | 0 | 83 | 0 | 45 | — 9 | 63 | —6 |
| Jezira | Deir Ezzor (A) ... | 204 | 995.4 | — | 996.1 | — | 994.6 | — | 995.2 | — | 4.8 | —0.1 | 4.4 | 0.0 | 14.5 | +3.1 | 8.7 | +0.9 | 80 | +3 | 82 | +4 | 47 | —12 | 68 | —4 |
| | Raqqa ... ... ... | 251 | 987.7 | — | 988.3 | — | 986.5 | — | 987.9 | — | 4.7 | — | 3.5 | — | 12.6 | — | 8.4 | — | 83 | — | 87 | — | 54 | — | 73 | — |
| North Eastern | Qamishlie (A) ... | 466 | 965.6 | +0.4 | 966.1 | —0.4 | 964.7 | 0.0 | 965.4 | +0.1 | 6.4 | +4.3 | 6.4 | +3.8 | 11.9 | +3.7 | 7.7 | +5.2 | 65 | —10 | 66 | —9 | 50 | —11 | 65 | —9 |
| | Tell Tamer... ... ... | 335 | — | — | — | — | — | — | — | — | 4.2 | — | 4.8 | — | 12.3 | — | 7.5 | — | 79 | — | 81 | — | 48 | — | 68 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum... ... ... ... | 04 | 1017.2 | — | 1017.5 | +0.3 | 1016.2 | +0.2 | 1017.1 | +0.5 | 11.1 | — | 9.6 | —1.8 | 17.4 | —0.4 | 13.8 | —0.6 | 66 | — | 70 | +1 | 45 | —5 | 58 | —5 |
| | Sidi Barrani ... ... | 21 | 1014.5 | +0.3 | 1014.8 | +0.4 | 1013.7 | +0.2 | 1014.5 | +0.5 | 11.0 | +0.7 | 10.0 | +0.3 | 17.1 | —0.2 | 13.6 | +0.4 | 68 | —2 | 69 | —2 | 54 | +3 | 62 | —4 |
| | Mersa Matruh (A) ... | 31 | 1013.6 | +0.4 | 1013.7 | —0.2 | 1012.5 | —0.3 | 1013.6 | —0.1 | 10.3 | +0.2 | 10.1 | —0.3 | 17.3 | 0.0 | 12.6 | —0.3 | 70 | —2 | 68 | —5 | 44 | —8 | 63 | —5 |
| | Dabaa ... ... ... | 17 | 1015.2 | — | 1015.6 | — | 1014.0 | — | 1015.1 | — | 10.4 | — | 10.8 | +0.4 | 17.7 | +0.1 | 12.8 | —0.2 | 64 | — | 65 | —7 | 39 | —10 | 64 | —3 |
| | Alexandria (A) ... | —3 | 1018.0 | +0.1 | 1018.4 | +0.1 | 1017.5 | +0.3 | 1018.3 | +0.3 | 12.0 | +0.6 | 11.6 | +0.2 | 18.6 | +0.9 | 14.0 | +0.8 | 74 | —6 | 74 | —4 | 51 | —3 | 69 | —7 |
| | Dekheila (A) ... | 01 | 1017.5 | — | 1018.0 | —0.8 | 1017.0 | —1.3 | 1017.8 | — | 12.0 | — | 11.6 | —1.1 | 18.2 | +1.0 | 13.8 | — | 68 | — | 71 | —3 | 49 | —12 | 67 | — |
| | Damietta ... ... ... | 03 | 1016.9 | — | 1017.4 | —0.6 | 1016.8 | +0.2 | 1017.7 | +0.3 | 10.4 | — | 11.2 | -0.2 | 18.1 | +1.4 | 13.7 | +1.2 | 79 | — | 79 | —4 | 53 | — 9 | 75 | —8 |
| | Port Said (A) ... | 01 | 1017.2 | —0.7 | 1017.6 | —0.8 | 1016.6 | —0.6 | 1017.5 | —0.6 | 13.5 | +0.3 | 13.3 | +0.3 | 18.2 | +1.0 | 14.8 | +0.2 | 77 | —1 | 74 | —2 | 56 | —5 | 72 | —3 |
| | El Arish ... ... ... | 10 | 1015.7 | —0.5 | 1016.2 | —0.9 | 1014.8 | —0.9 | 1016.0 | —0.4 | 11.0 | +0.7 | 11.7 | +0.5 | 18.3 | +0.8 | 13.6 | +0.4 | 74 | —5 | 69 | —3 | 54 | —4 | 71 | —3 |
| | Ghazza ... ... ... | 10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE A 1.—(*continued*)—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOU

## JANUARY 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 18 |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mea |
| | **Southern Region** (*contd*). | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... | 06 | 1017.3 | — | 1017.6 | —0.4 | 1016.5 | —0 3 | 1017.2 | —0.3 | 11.1 | — | 10.7 | +0.9 | 18.7 | +1.1 | 12.8 | +0.6 | 78 | — | 83 | +2 | 53 | —4 | 74 |
| | Mansoura ... ... ... | 08 | 1016.2 | — | 1017.1 | —0.7 | 1015.7 | —0.7 | 1016.8 | —0.7 | 9.1 | — | 9.3 | —0.4 | 18.8 | +0.6 | 13.4 | +0.7 | 80 | — | 84 | +2 | 51 | —3 | 75 |
| | Tanta ... ... ... ... | 14 | 1016.3 | — | 1016.6 | —0.7 | 1015.3 | —0.3 | 1016 4 | —0.3 | 9.1 | — | 10.1 | +0.5 | 18.9 | +0.1 | 11.8 | —0.1 | 76 | — | 74 | —9 | 48 | —5 | 74 |
| | Shebin el Kom ... | 12 | 1016.8 | — | 1017.1 | —0.2 | 1015.9 | +0.2 | 1016.7 | 0.0 | 10.4 | — | 10.4 | +1.0 | 18.2 | —0.8 | 13.6 | +1.2 | 84 | — | 85 | +9 | 52 | +5 | 74 |
| | Zagazig ... ... ... | 12 | 1016.0 | — | 1017.4 | —0.3 | 1015.8 | 0.0 | 1017.0 | +0.1 | 10.1 | — | 9.5 | —0.1 | 18.9 | —0.2 | 13.1 | +0.8 | 67 | — | 82 | —2 | 49 | —8 | 76 |
| | Zaher (A) ... | 30 | 1013·5 | — | 1014·0 | — | 1012·5 | — | 1013.6 | — | 10.4 | — | 10.7 | — | 18.5 | — | 13.7 | — | 65 | — | 65 | — | 42 | — | 60 |
| | Wadi el Natrun ... | —1 | 1018.2 | — | 1018.7 | —0.1 | 1017.0 | —0.1 | 1018.2 | +0.2 | 10.5 | — | 9.7 | —0.5 | 18.9 | —0.3 | 13.6 | —1.0 | 72 | — | 74 | +1 | 41 | —1 | 59 |
| | Abu Susir (A) ... | 14 | 1016.0 | — | 1016.5 | — | 1015·0 | — | 1016.2 | — | 9.9 | — | 9.9 | — | 19.1 | — | 13.6 | — | 74 | — | 71 | — | 39 | — | 61 |
| Cairo Area | Cairo (A) ... | 95 | 1006·4 | —0.3 | 1007.2 | —0.1 | 1005.6 | —0.5 | 1006.6 | —0.1 | 11.1 | —0.2 | 10.8 | 0.0 | 18.3 | —0.1 | 13.8 | —0.2 | 70 | +1 | 72 | +4 | 44 | +1 | 62 |
| | Almaza (A) ... | 79 | 1008.2 | —0·4 | 1008.9 | —0·4 | 1007·4 | —0·2 | 1008.4 | —0·3 | 11.3 | +0.1 | 10.5 | —0.2 | 18.9 | +0.6 | 14.2 | +0.6 | 64 | —6 | 68 | 0 | 41 | —3 | 58 |
| | Abbasiya (H.Q.) ... | 33 | 1014·0 | — | 1014.6 | — | 1013.2 | — | 1014.0 | — | 11.0 | — | 10.4 | — | 18.9 | — | 14.4 | — | 71 | — | 72 | — | 42 | — | 60 |
| | Mostafa Helmi (A) ... | 163 | 998.3 | — | 999·1 | — | 997·7 | — | 998.7 | — | 8.7 | — | 9.0 | — | 17.6 | — | 12.8 | — | 70 | — | 71 | — | 37 | — | 57 |
| | Giza ... ... ... ... | 21 | 1015.8 | — | 1016.6 | 0.0 | 1015.0 | +0.2 | 1015.9 | +0.1 | 9.4 | — | 9.5 | +0.5 | 18.2 | —0.6 | 12.7 | +0.6 | 79 | — | 75 | —6 | 41 | —4 | 63 |
| | Helwan ... ... ... | 112 | — | — | 1005.6 | —0.3 | 1003.8 | —0.1 | 1004.9 | —0.3 | — | — | 10.5 | +0.4 | 17.7 | 0·0 | 14.3 | +0.4 | — | — | 66 | —2 | 47 | +7 | 58 |
| Upper Egypt | Fayoum ... ... ... | 30 | 1017.2 | — | 1017.1 | +1.0 | 1014.8 | +0.8 | 1015.4 | +0.4 | 9.4 | — | 9.5 | +0.2 | 18.4 | —0.9 | 13.5 | +0.8 | 81 | — | 78 | +7 | 47 | +6 | 68 |
| | Beni Suef ... ... ... | 28 | 1015.2 | — | 1016.4 | +0.6 | 1014.1 | +0.4 | 1015.1 | +0.5 | 8.9 | — | 8.8 | —0.5 | 19.8 | —0.5 | 13.3 | +0.8 | 67 | — | 68 | +4 | 39 | 0 | 61 |
| | Minya (A) ... | 39 | 1013.7 | —0.2 | 1014.7 | +0.3 | 1013.0 | +0.2 | 1013.7 | 0.0 | 7.3 | +0.6 | 7.3 | +0.3 | 19.6 | —0.5 | 11.9 | +0.1 | 68 | —1 | 70 | —3 | 32 | —4 | 55 |
| | Asyout (A) ... | 71 | 1009.9 | +0.3 | 1011.2 | +0.1 | 1009.1 | +0.4 | 1010.1 | +0.5 | 10.4 | +0.4 | 9.3 | +0.3 | 19.4 | —0.3 | 14.1 | —0.1 | 53 | —3 | 57 | —3 | 35 | +3 | 43 |
| | Nag Hammadi ... ... | 69 | 1009.4 | — | 1011.4 | +0.1 | 1010.5 | +1.7 | 1010.4 | +0.6 | 9.6 | — | 10.8 | +0.6 | 21.0 | +0.8 | 13.5 | +0.8 | — | — | 70 | +2 | 44 | +6 | 73 |
| | Qena ... ... ... ... | 73 | 1009.2 | — | 1010.8 | +0.2 | 1008.2 | +0.5 | 1009 3 | +0.5 | 9.4 | — | 11.1 | +0.7 | 20.7 | —0.5 | 14.1 | 0.0 | 76 | — | 68 | —1 | 44 | —5 | 64 |
| | Luxor (A) ... | 95 | 1006.2 | —0.2 | 1007.7 | —0.1 | 1005.2 | —0.1 | 1006.3 | +0.3 | 9.5 | +0.6 | 10.2 | 0.0 | 21.6 | +0.5 | 14.0 | —0.2 | 70 | +12 | 65 | +9 | 47 | +11 | 64 |
| | Aswan ... ... ... | 104 | 1004.1 | — | 1005.9 | +0.3 | 1002.9 | —0.3 | 1004 2 | —0.1 | 11.7 | — | 13.3 | +0.6 | 24.3 | +1.6 | 16.7 | —1.0 | 55 | — | 52 | 0 | 28 | +1 | 41 |
| Western Desert | Siwa ... ... ... ... | —15 | 1021.2 | +0.5 | 1022.0 | +0.5 | 1020.4 | +0.5 | 1020 9 | +0.5 | 7.7 | —0.3 | 6.1 | —0.5 | 18.0 | —0.5 | 11.9 | —0.7 | 67 | —4 | 74 | —3 | 38 | 0 | 56 |
| | Bahariya ... ... ... | 128 | 1003.5 | — | 1004.3 | —0.7 | 1002.8 | —0.5 | 1003.4 | —1.0 | 7.5 | — | 7.3 | —2.1 | 19.0 | +0.4 | 12.8 | +0.5 | 65 | — | 65 | —1 | 34 | —7 | 49 |
| | Farafra ... ... ... | 90 | 1010.9 | — | 1011.5 | +1.4 | 1009.9 | +1.3 | 1010.4 | +1.2 | 7.1 | — | 6.6 | —1.3 | 18.7 | —1.0 | 12.5 | —0.7 | 52 | — | 59 | —3 | 31 | —5 | 41 |
| | Dakhla ... ... ... | 110 | 1006.5 | — | 1007.5 | +2.1 | 1005.7 | +2.5 | 1006.3 | +2.1 | 5.9 | — | 5.3 | —2.6 | 20.2 | —0.2 | 12·6 | —2.0 | 49 | — | 54 | —2 | 24 | —6 | 36 |
| | Kharga ... ... ... | 72 | 1010.0 | — | 1011.0 | —0.5 | 1009.4 | —0.1 | 1010.1 | —0.2 | 7.3 | — | 10.1 | —0.4 | 21.4 | +0.3 | 13.3 | —1.3 | 61 | — | 60 | —1 | 33 | —6 | 46 |
| Red Sea | Suez ... ... ... ... | 05 | 1017.3 | — | 1018.0 | —0.2 | 1016.4 | —0.6 | 1017.1 | —0·2 | 12·6 | — | 12.0 | —0.3 | 19.5 | +0.8 | 15.7 | +0.9 | 65 | — | 68 | —3 | 41 | —7 | 53 |
| | Tor ... ... ... ... | 03 | 1016.8 | — | 1017.7 | 0.0 | 1015.9 | —0.1 | 1017.0 | +0.4 | 12.7 | — | 12.8 | 0.0 | 20.6 | +0.7 | 16.5 | +0.4 | 60 | — | 57 | —4 | 48 | —8 | 53 |
| | Hurghada ... ... ... | 01 | 1016.7 | +0.6 | 1017.9 | 0.3 | 1015.8 | +0.1 | 1017.0 | +0.4 | 12.7 | +0.7 | 14.6 | +0.7 | 21.5 | +1.8 | 15.9 | —0.3 | 51 | —10 | 51 | —1 | 37 | —14 | 49 |
| | Quseir ... ... ... | 08 | 1015.3 | — | 1016.6 | —0.4 | 1014.6 | —0.8 | 1015.8 | —0.2 | 16.0 | — | 17.6 | +0.4 | 22.1 | +0.7 | 18.7 | +0.3 | 48 | — | 44 | —10 | 44 | —11 | 51 |

TABLE A 2.—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

JANUARY 1959

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A+B)/2 | Maximum temperature: Highest | Date | Lowest | Date | Number of days with maximum temperature >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Date | Lowest | Date | Number of days with minimum temperature <10° | <5° | <0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh (A) | 17.2 | + 1.2 | 9.8 | + 1.2 | 13.5 | 20.0 | 10-28 | 12.6 | 7 | 0 | 0 | 0 | 0 | 0 | 14.4 | 18 | 6.5 | 2 | 21 | 0 | 0 | 0 |
| | Bonka | 15.6 | — | 9.2 | — | 12.4 | 19.0 | 27-28 | 11.5 | 5-18 | 0 | 0 | 0 | 0 | 0 | 11.0 | 3 | 6.5 | 8 | 19 | 0 | 0 | 0 |
| | Tartous | 16.7 | — | 10.0 | — | 13.4 | 20.0 | 28 | 10.5 | 7 | 0 | 0 | 0 | 0 | 0 | 13.5 | 27 | 7.0 | 22-31 | 12 | 0 | 0 | 0 |
| Western Inland | Damascus (A) | 13.4 | + 0.8 | 2.8 | + 0.5 | 8.1 | 18.4 | 18 | 7.5 | 31 | 0 | 0 | 0 | 0 | 0 | 7.3 | 6 | 0.0 | 4 | 31 | 27 | 0 | 0 |
| | Aleppo (A) | 12.0 | + 1.5 | 3.4 | + 1.7 | 7.7 | 16.0 | 23 | 7.6 | 20 | 0 | 0 | 0 | 0 | 0 | 6.4 | 19 | — 1.1 | 2 | 31 | 23 | 3 | 0 |
| | Hama (A) | 12.6 | — | 3.8 | — | 8.2 | 16.8 | 24 | 5.8 | 5 | 0 | 0 | 0 | 0 | 0 | 7.6 | 19 | — 0.6 | 4-5 | 31 | 21 | 2 | 0 |
| | Homs | 12.3 | + 1.0 | 2.8 | — 0.5 | 7.6 | 17.0 | 27 | 5.5 | 5 | 0 | 0 | 0 | 0 | 0 | 6.5 | 23-26 | — 2.5 | 5 | 31 | 23 | 3 | 0 |
| | Kharabo | 13.9 | — | 0.9 | — | 7.4 | 18.0 | 6-18 | 9.0 | 19 | 0 | 0 | 0 | 0 | 0 | 5.5 | 19 | — 3.0 | 5-23 | 31 | 29 | 11 | 0 |
| | Salamiyie | 12.4 | — | 1.7 | — | 7.1 | 18.5 | 27 | 5.0 | 20 | 0 | 0 | 0 | 0 | 0 | 6.0 | 23 | — 3.5 | 2-4 | 31 | 29 | 7 | 0 |
| | Meselmiyie | 11.9 | — | 2.4 | — | 7.2 | 16.0 | 23 | 7.5 | 20 | 0 | 0 | 0 | 0 | 0 | 6.7 | 19 | — 3.5 | 2 | 31 | 23 | 8 | 0 |
| | Eiq | 15.8 | — | 7.2 | — | 11.5 | 20.4 | 4 | 10.3 | 19 | 0 | 0 | 0 | 0 | 0 | 11.3 | 3 | 3.0 | 22 | 28 | 1 | 0 | 0 |
| | Tell Shihab | 16.2 | — | 4.1 | — | 10.2 | 20.8 | 5 | 9.7 | 7 | 0 | 0 | 0 | 0 | 0 | 9.0 | 3 | — 0.1 | 22 | 31 | 17 | 1 | 0 |
| Desert | Palmyra (A) | 14.1 | + 0.9 | 2.7 | — 0.9 | 8.4 | 18.2 | 29 | 10.0 | 20 | 0 | 0 | 0 | 0 | 0 | 6.8 | 20 | — 2.2 | 2 | 31 | 27 | 1 | 0 |
| El Gezira | Deir Ezzor (A) | 15.0 | + 1.7 | 3.0 | — 1.4 | 9.0 | 19.0 | 29 | 10.2 | 21 | 0 | 0 | 0 | 0 | 0 | 9.2 | 12 | — 0.7 | 4 | 31 | 24 | 3 | 0 |
| | Raqqa | 13.3 | — | 2.3 | — | 8.1 | 17.9 | 28 | 10.2 | 20 | 0 | 0 | 0 | 0 | 0 | 7.4 | 20 | — 3.2 | 2 | 31 | 27 | 5 | 0 |
| North Eastern | Qamishlie (A) | 12.3 | + 1.3 | 5.0 | + 2.1 | 8.7 | 15.3 | 13 | 8.3 | 19 | 0 | 0 | 0 | 0 | 0 | 9.4 | 29 | 2.3 | 11 | 31 | 16 | 0 | 0 |
| | Tell Tamer | 12.4 | — | 1.9 | — | 7.2 | 16.0 | 23 | 9.3 | 3 | 0 | 0 | 0 | 0 | 0 | 7.6 | 19 | — 3.0 | 2-3 | 31 | 24 | 8 | 0 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum | 18.2 | — 0.9 | 9.0 | + 0.4 | 13.6 | 21.3 | 17-26 | 12.6 | 28 | 0 | 0 | 0 | 0 | 0 | 12.2 | 2 | 2.4 | 28 | 19 | 3 | 0 | 0 |
| | Sidi Barrani | 17.6 | — 0.7 | 8.5 | + 0.4 | 13.0 | 21.3 | 4 | 11.8 | 28 | 0 | 0 | 0 | 0 | 0 | 11.8 | 21 | 2.4 | 28 | 20 | 3 | 0 | 0 |
| | Mersa Matruh (A) | 18.2 | + 0.3 | 8.4 | + 0.1 | 13.3 | 23.4 | 17 | 14.0 | 30 | 0 | 0 | 0 | 0 | 0 | 11.5 | 17 | 4.2 | 29 | 23 | 2 | 0 | 0 |
| | Dabaa | 18.5 | — 0.3 | 7.6 | + 0.6 | 13.0 | 21.0 | 14 | 13.4 | 20 | 0 | 0 | 0 | 0 | 0 | 13.2 | 15 | 3.0 | 10 | 24 | 4 | 0 | 0 |
| | Alexandria (A) | 19.1 | + 1.0 | 10.2 | + 1.0 | 14.6 | 23.2 | 17 | 14.9 | 20 | 0 | 0 | 0 | 0 | 0 | 15.0 | 15 | 8.3 | 13 | 12 | 0 | 0 | 0 |
| | Dekheila (A) | 18.7 | + 0.6 | 9.4 | + 0.2 | 14.0 | 22.3 | 17 | 14.5 | 29-31 | 0 | 0 | 0 | 0 | 0 | 14.3 | 15 | 4.9 | 30 | 19 | 1 | 0 | 0 |
| | Damietta | 18.5 | — 0.2 | 8.4 | — 0.1 | 13.4 | 21.8 | 3 | 14.3 | 30 | 0 | 0 | 0 | 0 | 0 | 13.1 | 2 | 3.0 | 30 | 25 | 2 | 0 | 0 |
| | Port Said (A) | 19.1 | + 1.2 | 11.9 | + 0.6 | 15.5 | 21.9 | 4 | 15.5 | 20 | 0 | 0 | 0 | 0 | 0 | 16.9 | 1 | 7.6 | 31 | 5 | 0 | 0 | 0 |
| | El Arish | 19.9 | + 0.7 | 8.9 | + 0.7 | 14.4 | 25.6 | 5 | 15.8 | 20 | 1 | 0 | 0 | 0 | 0 | 13.3 | 18 | 4.2 | 2 | 18 | 3 | 0 | 0 |
| | Ghazza | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

* More than three days.

TABLE A 2.—(*continued*)—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

JANUARY 1959

| District | Station | Maximum temperature | | Minimum temperature | | (A + B) /2 | Maximum temperature | | | | | | | | | Minimum temperature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean (A) | Deviation from normal | Mean (B) | Deviation from normal | | Highest | Date | Lowest | Date | Number of days with maximum temperature | | | | | Highest | Date | Lowest | Date | Number of days with minimum temperature | | | |
| | | | | | | | | | | | >25° | >30° | >35° | >40° | 45° | | | | | <10° | <5° | <0° | <-5° |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour | 20.0 | + 0.4 | 7.8 | 0.0 | 13.9 | 24.2 | 17 | 15.4 | 19 | 0 | 0 | 0 | 0 | 0 | 10.7 | 15 | 3.7 | 30 | 29 | 2 | 0 | 0 |
| | Mansoura | 19.9 | + 0.2 | 7.6 | + 0.4 | 13 8 | 23.0 | 1 | 15.8 | 29 | 0 | 0 | 0 | 0 | 0 | 11.5 | 2 | 2.0 | 30 | 26 | 3 | 0 | 0 |
| | Tanta | 19.8 | 0.0 | 6.8 | + 0.8 | 13.3 | 23.7 | 3 | 15.2 | 20 | 0 | 0 | 0 | 0 | 0 | 10·2 | 15 | 2.3 | 25 | 30 | 5 | 0 | 0 |
| | Shebin el Kom | 18.8 | — 1.4 | 8.5 | + 1.7 | 13.6 | 22.1 | 3 | 14.4 | 19 | 0 | 0 | 0 | 0 | 0 | 11.2 | 3·16 | 4.4 | 29·30 | 22 | 2 | 0 | 0 |
| | Zagazig | 20.0 | — 0.1 | 7.5 | + 1.5 | 13.8 | 23.0 | 3 | 16.0 | 20 | 0 | 0 | 0 | 0 | 0 | 10.7 | 5 | 3.8 | 29 | 28 | 3 | 0 | 0 |
| | Zaher (A) | 19.3 | — | 8.1 | — | 13.7 | 22.4 | 3 | 15.7 | 20 | 0 | 0 | 0 | 0 | 0 | 12.6 | 18 | 5.2 | 29 | 25 | 0 | 0 | 0 |
| | Wadi el Natrun | 20.0 | — 0.6 | 7.1 | — 0.1 | 13.6 | 24.4 | 4 | 13.8 | 20 | 0 | 0 | 0 | 0 | 0 | 11.0 | 18 | 4.0 | 11 | 28 | 5 | 0 | 0 |
| | Abu Sueir (A) | 19.8 | — | 7.5 | — | 13.6 | 22.8 | 5 | 16.3 | 21 | 0 | 0 | 0 | 0 | 0 | 13.0 | 18 | 4.7 | 10 | 28 | 1 | 0 | 0 |
| Cairo Area | Cairo (A) | 19.0 | — 0.3 | 8.8 | + 0.3 | 13.9 | 23.6 | 3 | 14.4 | 20 | 0 | 0 | 0 | 0 | 0 | 12.6 | 5 | 5.3 | 30 | 20 | 0 | 0 | 0 |
| | Almaza (A) | 19.7 | + 0.5 | 8.9 | + 0.4 | 14.3 | 24.2 | 3 | 15.4 | 20 | 0 | 0 | 0 | 0 | 0 | 13.7 | 5 | 5.4 | 25 | 19 | 0 | 0 | 0 |
| | Abbasiya (H.Q) | 20.0 | — | 8.6 | — | 14.3 | 24.5 | 3 | 15.3 | 20 | 0 | 0 | 0 | 0 | 0 | 13.0 | 3 | 5.6 | 10·25 | 23 | 0 | 0 | 0 |
| | Mostafa Helmi (A) | 18.5 | — | 7.0 | — | 12.8 | 23.9 | 4 | 12.6 | 20 | 0 | 0 | 0 | 0 | 0 | 12.4 | 5 | 3.1 | 29 | 27 | 6 | 0 | 0 |
| | Giza | 19.9 | + 0.3 | 6.7 | + 1.0 | 13.3 | 24.5 | 3 | 14.6 | 20 | 0 | 0 | 0 | 0 | 0 | 10.8 | 3 | 2.6 | 10·25 | 30 | 8 | 0 | 0 |
| | Helwan | 18.4 | — 0.3 | 8.9 | + 0.6 | 13.6 | 23.4 | 4 | 14.0 | 20 | 0 | 0 | 0 | 0 | 0 | 15.1 | 5 | 3.5 | 31 | 21 | 3 | 0 | 0 |
| Upper Egypt | Fayoum | 18.8 | — 1.8 | 6.4 | + 0.2 | 12.6 | 21.6 | 27 | 15.0 | 20 | 0 | 0 | 0 | 0 | 0 | 10.6 | 5 | 2.0 | 30 | 28 | 9 | 0 | 0 |
| | Beni Suef | 20.3 | — 0.6 | 5.8 | + 1.1 | 13.0 | 23.6 | 4 | 15.2 | 20 | 0 | 0 | 0 | 0 | 0 | 10.2 | 5 | 2.7 | 22 | 30 | 12 | 0 | 0 |
| | Minya (A) | 20.3 | — 0.3 | 4.2 | + 0.3 | 12.2 | 24.2 | 4 | 15·5 | 20 | 0 | 0 | 0 | 0 | 0 | 9.1 | 1 | 0.4 | 23 | 31 | 17 | 0 | 0 |
| | Asyout (A) | 20.2 | — 0.6 | 7.4 | + 1.0 | 13.8 | 26.0 | 5 | 14.4 | 20 | 1 | 0 | 0 | 0 | 0 | 12.0 | 5 | 4.0 | 30 | 27 | 2 | 0 | 0 |
| | Nag Hammadi | 22.0 | + 0.5 | 6.1 | + 0.9 | 14.0 | 26.8 | 3 | 16.6 | 20 | 3 | 0 | 0 | 0 | 0 | 12.1 | 3 | 2.6 | 30 | 29 | 9 | 0 | 0 |
| | Qena | 22.4 | — 0.1 | 6.2 | — 0.6 | 14.3 | 28.0 | 4 | 16.0 | 20 | 3 | 0 | 0 | 0 | 0 | 12.7 | 3 | 2.0 | 30 | 26 | 8 | 0 | 0 |
| | Luxor (A) | 22.9 | — 0.1 | 5.9 | + 0.4 | 14.4 | 28.1 | 3 | 17.0 | 20 | 7 | 0 | 0 | 0 | 0 | 13.9 | 3 | 1.9 | 30 | 29 | 14 | 0 | 0 |
| | Aswan | 25.9 | + 2.1 | 8.9 | — 1.0 | 17.4 | 32.0 | 4 | 19.4 | 21 | 20 | 1 | 0 | 0 | 0 | 14.8 | 3 | 4.7 | 30·31 | 23 | 2 | 0 | 0 |
| Western Desert | Siwa | 18.9 | — 0.5 | 4.5 | — 0.5 | 11.7 | 24.9 | 17 | 14.4 | 28 | 0 | 0 | 0 | 0 | 0 | 9.6 | 2 | 0.6 | 10·24 | 31 | 16 | 0 | 0 |
| | Bahariya | 19.8 | — 0.1 | 4.1 | — 0.6 | 12.0 | 25.3 | 4 | 15.2 | 29 | 1 | 0 | 0 | 0 | 0 | 9.4 | 18 | 0.5 | 30 | 31 | 19 | 0 | 0 |
| | Farafra | 20.3 | — 0.1 | 3.9 | — 0.1 | 12.1 | 26.8 | 17 | 15.2 | 20 | 2 | 0 | 0 | 0 | 0 | 9.4 | 5 | 0.0 | 9·10 | 31 | 19 | 0 | 0 |
| | Dakhla | 21.4 | — 0.2 | 1.5 | — 3.2 | 11.4 | 28.5 | 4 | 16.2 | 20 | 3 | 0 | 0 | 0 | 0 | 8.8 | 5 | —4.0 | 30 | 31 | 28 | 11 | 0 |
| | Kharga | 22.3 | + 0.1 | 4.4 | — 1.4 | 13.4 | 28.7 | 4 | 17.6 | 20 | 4 | 0 | 0 | 0 | 0 | 10.7 | 5 | 0.4 | 30 | 30 | 19 | 0 | 0 |
| Red Sea | Suez | 20.4 | + 0.2 | 9.2 | + 0.2 | 14.8 | 24.2 | 3 | 16.7 | 20 | 0 | 0 | 0 | 0 | 0 | 13·4 | 3 | 5.2 | 21 | 17 | 0 | 0 | 0 |
| | Tor | 22.1 | + 1.3 | 9.7 | + 0.8 | 16.0 | 29.2 | 5 | 17.0 | 20 | 3 | 0 | 0 | 0 | 0 | 15.0 | 3·6 | 6.4 | 30 | 18 | 0 | 0 | 0 |
| | Hurghada | 22.2 | + 1.8 | 10.5 | + 0.8 | 16.4 | 27.5 | 5 | 18.5 | 20 | 2 | 0 | 0 | 0 | 0 | 15.2 | 6 | 7.2 | 27 | 12 | 0 | 0 | 0 |
| | Quseir | 23·0 | + 0.3 | 13.7 | — 0.2 | 18.4 | 26.5 | 5 | 18·8 | 20 | 7 | 0 | 0 | 0 | 0 | 19.3 | 3 | 8.4 | 21 | 3 | 0 | 0 | 0 |

# TABLE A 3.—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

## JANUARY 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amounts of rain | | | | | Maximum depth (cms) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0·1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh (A) | 215.7 | + 58.5 | 65.4 | 18 | 13 | 11 | 6 | 3 | 1 | 0 | — | 134.5 | 265.8 | 51 | 4.0 | 5.4 | 5.5 | 4.7 | 2.6 |
| Coastal | Bouka ... ... ... ... | 283.1 | — | 76.0 | 18 | 18 | 15 | 9 | 4 | 1 | 0 | — | — | — | — | — | 6.4 | 6.2 | 6.2 | — |
| Coastal | Tartous ... ... ... ... | 180.0 | — | 43.8 | 6 | 13 | 11 | 4 | 4 | 0 | 0 | — | — | — | — | — | 4.6 | 5.0 | 4.5 | 2.1 |
| Western Inland | Damascus (A) ... | 60.8 | — 3.8 | 15.2 | 31 | 12 | 8 | 3 | 0 | 0 | 0 | — | 199.2 | 300.0 | 66 | 2.9 | 4.5 | 4.7 | 3.5 | 1.8 |
| Western Inland | Aleppo (A) ... | 38.7 | — 25.5 | 20.0 | 18 | 7 | 7 | 1 | 0 | 0 | 0 | — | 130.4 | 296.7 | 44 | 4.2 | 5.6 | 5.8 | 4.4 | 1.5 |
| Western Inland | Hama (A) ... | 62.4 | — 13.2 | 13.3 | 18 | 11 | 8 | 3 | 0 | 0 | 0 | — | 145.5 | 296.3 | 49 | 3.2 | 5.7 | 5.8 | 4.9 | 1.0 |
| Western Inland | Homs ... ... ... ... | 48.5 | — 63.1 | 10.0 | 7 | 10 | 10 | 1 | 0 | 0 | 0 | — | — | — | — | — | 5.9 | 5.6 | 5.4 | 1.2 |
| Western Inland | Kharabo ... ... ... | 12·4 | — | 6.6 | 7 | 5 | 3 | 0 | 0 | 0 | 0 | — | — | — | — | — | 4.2 | 4.3 | 3.3 | — |
| Western Inland | Salamiyie ... ... ... | 28.8 | — | 8.6 | 18 | 16 | 8 | 0 | 0 | 0 | 0 | — | — | — | — | — | 3.5 | 3.9 | 3.4 | 0.8 |
| Western Inland | Meselmiyie ... ... ... | 43.9 | — | 26.4 | 18 | 8 | 6 | 1 | 1 | 0 | 0 | — | — | — | — | — | 5.3 | 5.2 | 4.7 | 1.3 |
| Western Inland | Fiq ... ... ... ... ... | 79.1 | — | 22.0 | 7 | 11 | 8 | 4 | 0 | 0 | 0 | — | 194·1 | 292.1 | 67 | — | 4.9 | 5.1 | 3.7 | 3.2 |
| Western Inland | Tell Shihab ... ... ... | 39.0 | — | 12.8 | 7 | 8 | 6 | 2 | 0 | 0 | 0 | — | — | — | — | — | 4.4 | 4.7 | 2.7 | 2.6 |
| Desert | Palmyra (A) ... | 12.4 | — 2.4 | 4.2 | 5 | 8 | 5 | 0 | 0 | 0 | 0 | — | 192.0 | 296.6 | 65 | — | 4.6 | 4.9 | 3.8 | 2.1 |
| El Gezira | Deir Ezzor (A) ... | 12.5 | — 21.0 | 3.8 | 21 | 7 | 5 | 0 | 0 | 0 | 0 | — | 185.8 | 260.4 | 71 | 2.6 | 4.1 | 4.4 | 3.1 | 2.3 |
| El Gezira | Raqqa ... ... ... ... | 19.4 | — | 5.4 | 7 | 5 | 5 | 0 | 0 | 0 | 0 | — | 185.1 | 292.8 | 63 | 2.3 | 3.6 | 4.6 | 3.3 | 1.7 |
| North Eastern | Qamishlie (A) ... | 93.0 | + 12.5 | 29.9 | 7 | 10 | 9 | 3 | 2 | 0 | 0 | — | 169.1 | 259.9 | 65 | 3.3 | 4.4 | 4.9 | 4.0 | 2.4 |
| North Eastern | Tell Tamer ... ... ... | 26.3 | — | 7.8 | 20 | 10 | 7 | 0 | 0 | 0 | 0 | — | — | — | — | — | 2.8 | 3.3 | 3.4 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum ... ... ... ... | 2.3 | — 11.8 | 1.2 | 19 | 5 | 1 | 0 | 0 | 0 | 0 | — | — | — | — | 2.5 | 3.3 | 4.6 | 3.8 | 7.9 |
| Mediterranean | Sidi Barrani ... ... ... | 26.8 | + 4.0 | 9.1 | 29 | 10 | 8 | 0 | 0 | 0 | 0 | — | — | — | — | — | 4·4 | 4.8 | 4.2 | 5.3 |
| Mediterranean | Mersa Matruh (A) ... | 18.2 | — 3.6 | 5.3 | 18 | 10 | 6 | 0 | 0 | 0 | 0 | — | — | — | — | 2.5 | 4.4 | 4.1 | 3.6 | 8.4 |
| Mediterranean | Dabaa ... ... ... ... | 39·0 | + 17.5 | 20.0 | 18 | 8 | 8 | 1 | 0 | 0 | 0 | — | — | — | — | — | 2.7 | 3.4 | 3.4 | 7.3 |
| Mediterranean | Alexandria (A) ... | 63.9 | + 22.0 | 16.9 | 20 | 14 | 9 | 3 | 0 | 0 | 0 | — | 219.9 | 322.1 | 68·3 | 3.8 | 4.1 | 4.0 | 4.1 | 4.0 |
| Mediterranean | Dekheila (A) ... | 68.2 | + 33.6 | 20.1 | 20 | 13 | 9 | 2 | 0 | 0 | 0 | — | — | — | — | 2.4 | 4.0 | 3.8 | 3.8 | 6.2 |
| Mediterranean | Damietta ... ... ... | 19.6 | — 4.4 | 6.2 | 20 | 7 | 5 | 0 | 0 | 0 | 0 | — | — | — | — | — | 2.9 | 3.5 | 1.7 | 3.1 |
| Mediterranean | Port Said (A) ... | 9.0 | — 1.5 | 3.6 | 20 | 6 | 3 | 0 | 0 | 0 | 0 | — | 224.1 | 322.1 | 69.6 | 1.6 | 3.3 | 3.0 | 2.4 | 4.3 |
| Mediterranean | El Arish ... ... ... | 13.3 | — 3.9 | 6.0 | 21 | 5 | 3 | 0 | 0 | 0 | 0 | — | — | — | — | 2.2 | 2.8 | 3.5 | 2.6 | 4.8 |
| Mediterranean | Ghazza ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE A 3. (*continued*)—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

### JANUARY 1959

| Districts | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Southern Region** (contd.) | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... ... | 24.0 | +5.4 | 8.6 | 18 | 7 | 4 | 0 | 0 | 0 | 0 | — | — | — | — | — | 2.8 | 2.8 | 2.0 | 2.1 |
| | Mansoura ... ... ... | 13.6 | +5.8 | 6.5 | 20 | 5 | 5 | 0 | 0 | 0 | 0 | — | — | — | — | — | 2.3 | 3.0 | 2.5 | 2.2 |
| | Tanta ... ... ... ... | 11.8 | +4.0 | 7.4 | 19 | 7 | 2 | 0 | 0 | 0 | 0 | — | 230.6 | 322.1 | 71.6 | — | 2.3 | 3.3 | 1.7 | 3.1 |
| | Shebin el Kom ... ... | 4.7 | —1.4 | 2.4 | 18 | 2 | 2 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.4 | 2.0 | 2.0 | 1.7 |
| | Zagazig ... ... ... ... | 7.3 | +2.7 | 3.4 | 20 | 6 | 2 | 0 | 0 | 0 | 0 | — | — | — | — | — | 2.6 | 4.5 | 2.3 | 1.9 |
| | Zaher (A) ... | 0.5 | — | 0.3 | 21 | 2 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 2.0 | 3.5 | 2.2 | 7.2 |
| | Wadi el Natrun ... ... | 6.9 | +4.8 | 3.5 | 19 | 2 | 2 | 0 | 0 | 0 | 0 | — | — | — | — | — | 2.3 | 4.2 | 1.7 | 4.4 |
| | Abu Sueir ... (A) ... | 4.0 | — | 2.3 | 20 | 3 | 2 | 0 | 0 | 0 | 0 | — | — | — | — | 2.4 | 3.5 | 3.5 | 2.9 | 7.1 |
| Cairo Area | Cairo (A) ... | 2.1 | —0.4 | 1.9 | 21 | 2 | 1 | 0 | 0 | 0 | 0 | — | — | — | — | 1.4 | 2.8 | 4.0 | 2.1 | 6.2 |
| | Almaza (A) ... | 1.4 | —1.7 | 1.3 | 21 | 2 | 1 | 0 | 0 | 0 | 0 | — | 227.9 | 324.2 | 70.3 | 1.4 | 2.8 | 3.8 | 1.6 | 5.0 |
| | Abbasiya (H.Q.) ... ... | 5.8 | — | 5.8 | 21 | 1 | 1 | 0 | 0 | 0 | 0 | — | 233.7 | 324.2 | 72.1 | 1.5 | 2.4 | 3.3 | 2.1 | 5.5 |
| | Mostafa Helmi (A) ... | tr. | — | tr. | 15·18·19 | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 1.5 | 2.4 | 4.1 | 1.8 | 6.5 |
| | Gha ... ... ... ... | 0.3 | —2.7 | 0.3 | 21 | 1 | 0 | 0 | 0 | 0 | 0 | — | 230.3 | 324.2 | 71.0 | — | 2.4 | 3.9 | 1.7 | 3.8 |
| | Helwan ... ... ... ... | 6.2 | +2.2 | 3.2 | 21 | 3 | 2 | 0 | 0 | 0 | 0 | — | (230.0)* | (312.8)* | 73.5 | — | 2.9 | 3.6 | 3.1 | 5.2 |
| Upper Egypt | Fayoum ... ... ... ... | tr. | —1.0 | tr. | 19·30 | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.5 | 2.6 | 1.7 | 2.4 |
| | Beni Suef ... ... ... | tr. | —0.5 | tr. | 5·20·21 | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.8 | 2.8 | 2.5 | 2.5 |
| | Minya (A) ... | tr. | —0.6 | tr. | 20 | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 1.1 | 1.0 | 2.2 | 1.1 | 3.9 |
| | Asyout (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.9 | 1.4 | 1.3 | 0.7 | 6.8 |
| | Nag Hammadi ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.1 | 0.8 | 2.3 | 3.4 |
| | Qena ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 0.9 | 0.7 | 0.5 | 5.0 |
| | Luxor (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.4 | 1.1 | 0.9 | 0.7 | 4.2 |
| | Aswan ... ... ... ... | 0.0 | —0.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.4 | 0.8 | 1.1 | 0.4 | 6.2 |
| Western Desert | Siwa ... ... ... ... | tr. | —0.9 | tr. | 2·19·27 | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 1.1 | 1.9 | 3.1 | 2.1 | 5.4 |
| | Bahariya ... ... ... | tr. | +tr. | tr. | 2·5·19 | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 1.2 | 1.4 | 2.1 | 1.7 | 4.7 |
| | Farafra ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.3 | 1.0 | 1.5 | 0.8 | 7.8 |
| | Dakhla ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.8 | 1.3 | 1.5 | 1.1 | 7.1 |
| | Kharga ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.9 | 1.6 | 0.8 | 5.2 |
| Red Sea | Suez... ... ... ... ... | 0.5 | —1.3 | 0.5 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 2.2 | 2.8 | 1.3 | 4.9 |
| | Tor ... ... ... ... ... | 6.2 | +4.2 | 4.6 | 20 | 2 | 2 | 0 | 0 | 0 | 0 | — | — | — | — | 0.9 | 2.4 | 1.7 | 1.7 | 7.1 |
| | Hurghada ... ... ... | 0.0 | —0.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 1.1 | 1.9 | 1.6 | 0.9 | 11.5 |
| | Quseir ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.5 | 1.7 | 1.5 | 1.1 | 12.6 |

* N.B.—The actual number of sunshine records at Helwan was 30 days.

## TABLE A 4.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

### JANUARY 1959

| Station | Number of days of occurrence of | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rain | Snow | Hail | Thunderstorm | Fog | Mist | Haze | Sandstorm Duststorm | Sandrising Dustrising | Gales | Cloudy sky | Clear sky |
| **Northern Region** | | | | | | | | | | | | |
| Jableh (A) ... ... ... | 11 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 10 | 2 |
| Bouka ... ... ... ... ... ... | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Tartous ... ... ... ... ... ... | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Damascus (A) ... ... ... | 14 | 0 | 0 | 0 | 1 | 5 | 4 | 0 | 0 | 2 | 6 | 6 |
| Aleppo (A) ... ... ... | 11 | 0 | 0 | 0 | 4 | 4 | 3 | 0 | 0 | 0 | 16 | 3 |
| Hama (A) ... ... ... | 10 | 0 | 0 | 1 | 6 | 2 | 0 | 0 | 0 | 1 | 10 | 4 |
| Homs ... ... ... ... ... ... | 10 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | — | — |
| Kharabo ... ... ... ... ... | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | — | — |
| Salamiyie ... ... ... ... ... | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Meselmiyie ... ... ... ... ... | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | — | — |
| Fiq ... ... ... ... ... ... ... | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 5 |
| Tell Shihab ... ... ... ... ... | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | — | — |
| Palmyra (A) ... ... ... | 8 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 8 | 5 |
| Deir Ezzor (A) ... ... ... | 9 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 2 | 0 | 5 | 10 |
| Raqqa ... ... ... ... ... ... | 7 | 0 | 0 | 0 | 2 | 3 | 1 | 0 | 4 | 0 | 3 | 12 |
| Qamishlie (A) ... ... ... | 12 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 6 |
| Tell Tamer ... ... ... ... ... | 10 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | — | — |
| **Southern Region** | | | | | | | | | | | | |
| Sallum ... ... ... ... ... ... | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 11 |
| Sidi Barrani ... ... ... | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 10 |
| Mersa Matruh (A) ... ... ... | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 7 |
| Alexandria (A) ... ... ... | 14 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 9 | 6 |
| Port Said (A) ... ... ... | 6 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 14 |
| El Arish ... ... ... | 5 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 4 | 0 | 2 | 15 |
| Abu Sueir (A) ... ... ... | 3 | 0 | 0 | 0 | 2 | 15 | 1 | 4 | 3 | 3 | 3 | 14 |
| Cairo (A) ... ... ... | 2 | 0 | 0 | 0 | 0 | 6 | 9 | 0 | 3 | 0 | 1 | 14 |
| Almaza (A) ... ... ... | 2 | 0 | 0 | 0 | 0 | 3 | 9 | 0 | 2 | 0 | 0 | 16 |
| Abbasiya (H.Q.) ... ... ... ... | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 18 |
| Mostafa Helmi (A) ... ... ... | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 3 | 4 | 0 | 2 | 17 |
| Minya (A) ... ... ... | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 0 | 0 | 0 | 0 | 24 |
| Asyout (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| Luxor (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| Aswan ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| Siwa ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 |
| Hurghada ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 22 |
| Quseir ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 24 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## NORTHERN REGION — JANUARY 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW |
| Coastal | Jableh (A) | 219 | 0 | 0 | 1-10 | 11 | 14 | 18 | 19 | 100 | 90 | 38 | 24 | 22 | 16 | 20 | 5 | 2 | 3 | 11 | 4 |
| | | | | | 11-27 | 4 | 6 | 1 | 1 | 7 | 1 | 10 | 9 | 21 | 7 | 24 | 5 | 10 | 1 | 5 | 2 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 8 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **15** | **20** | **19** | **20** | **107** | **91** | **48** | **33** | **45** | **26** | **52** | **11** | **12** | **4** | **16** | **6** |
| | Bouka ... ... | 312 | 0 | 0 | 1-10 | 32 | 0 | 6 | 5 | 29 | 34 | 29 | 28 | 11 | 18 | 37 | 2 | 2 | 0 | 11 | 0 |
| | | | | | 11-27 | 62 | 0 | 1 | 0 | 8 | 0 | 11 | 6 | 1 | 0 | 6 | 9 | 55 | 0 | 29 | 0 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **94** | **0** | **7** | **5** | **37** | **34** | **40** | **34** | **12** | **18** | **43** | **11** | **57** | **0** | **40** | **0** |
| Western Inland | Damascus (A) | 311 | 0 | 0 | 1-10 | 18 | 25 | 8 | 20 | 33 | 18 | 7 | 9 | 22 | 20 | 29 | 36 | 52 | 26 | 7 | 4 |
| | | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 33 | 24 | 10 | 7 | 12 | 2 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 8 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **19** | **25** | **8** | **20** | **33** | **18** | **7** | **9** | **22** | **21** | **63** | **60** | **62** | **33** | **27** | **6** |
| | Aleppo (A) | 103 | 0 | 0 | 1-10 | 50 | 67 | 59 | 71 | 31 | 0 | 1 | 1 | 3 | 8 | 15 | 9 | 34 | 14 | 17 | 9 |
| | | | | | 11-27 | 50 | 51 | 45 | 42 | 10 | 1 | 0 | 0 | 1 | 3 | 15 | 3 | 28 | 2 | 1 | 0 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **100** | **118** | **104** | **113** | **41** | **1** | **1** | **1** | **4** | **11** | **30** | **12** | **62** | **16** | **18** | **9** |
| | Hama (A) | 220 | 0 | 0 | 1-10 | 29 | 27 | 9 | 46 | 70 | 12 | 0 | 12 | 19 | 17 | 25 | 29 | 28 | 69 | 35 | 28 |
| | | | | | 11-27 | 4 | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 14 | 18 | 8 | 1 | 1 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **33** | **33** | **12** | **49** | **70** | **12** | **0** | **12** | **19** | **21** | **32** | **43** | **46** | **77** | **36** | **29** |
| | Kharabo ... | 459 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 91 | 31 | 13 | 0 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 100 | 30 | 0 | 0 | 1 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 1 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **7** | **111** | **122** | **31** | **13** | **1** |
| | Fiq ... | 49 | 0 | 341 | 1-10 | 0 | 1 | 0 | 6 | 40 | 4 | 0 | 15 | 17 | 19 | 32 | 12 | 43 | 7 | 0 | 1 |
| | | | | | 11-27 | 2 | 0 | 0 | 8 | 53 | 3 | 1 | 4 | 4 | 11 | 36 | 11 | 22 | 0 | 1 | 0 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **2** | **1** | **0** | **14** | **93** | **7** | **1** | **19** | **21** | **30** | **68** | **24** | **65** | **7** | **1** | **1** |
| Desert | Palmyra (A) | 341 | 0 | 0 | 1-10 | 21 | 36 | 25 | 17 | 25 | 2 | 0 | 1 | 0 | 1 | 0 | 16 | 39 | 84 | 64 | 4 |
| | | | | | 11-27 | 1 | 0 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 13 | 16 | 24 | 3 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **22** | **36** | **29** | **19** | **25** | **3** | **0** | **1** | **0** | **1** | **1** | **19** | **52** | **100** | **88** | **7** |
| El Gezira | Deir Ezzor (A) | 404 | 0 | 0 | 1-10 | 11 | 5 | 6 | 16 | 43 | 4 | 8 | 20 | 21 | 4 | 18 | 9 | 35 | 51 | 10 | 23 |
| | | | | | 11-27 | 1 | 1 | 0 | 4 | 19 | 4 | 3 | 1 | 2 | 8 | 1 | 4 | 2 | 6 | 0 | 0 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **12** | **6** | **6** | **20** | **62** | **8** | **11** | **21** | **23** | **12** | **19** | **13** | **37** | **57** | **10** | **23** |
| | Raqqa... ... | 77 | 0 | 0 | 1-10 | 16 | 93 | 82 | 21 | 0 | 0 | 11 | 6 | 7 | 25 | 18 | 50 | 68 | 21 | 24 | 19 |
| | | | | | 11-27 | 0 | 31 | 118 | 3 | 0 | 0 | 0 | 0 | 2 | 6 | 8 | 10 | 5 | 2 | 7 | 14 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **16** | **124** | **200** | **24** | **0** | **0** | **11** | **6** | **9** | **31** | **26** | **60** | **73** | **23** | **31** | **33** |
| North Eastern | Qamishlie (A) | 156 | 0 | 0 | 1-10 | 57 | 64 | 45 | 41 | 23 | 5 | 13 | 5 | 7 | 5 | 7 | 5 | 6 | 8 | 6 | 17 |
| | | | | | 11-27 | 48 | 19 | 90 | 62 | 32 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 |
| | | | | | 28-47 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **105** | **83** | **137** | **103** | **55** | **6** | **14** | **6** | **7** | **5** | **7** | **5** | **6** | **8** | **7** | **34** |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## SOUTHERN REGION — JANUARY 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| MEDITERRANEAN | Sidi Barrani ... | 0 | 0 | 14 | 1-10 | 11 | 6 | 4 | 0 | 1 | 2 | 6 | 25 | 19 | 34 | 26 | 21 | 155 |
| | | | | | 11-27 | 76 | 36 | 0 | 0 | 6 | 1 | 2 | 45 | 73 | 147 | 81 | 64 | 531 |
| | | | | | 28-47 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 11 | 44 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 102 | 57 | 4 | 0 | 7 | 3 | 8 | 71 | 92 | 181 | 109 | 96 | 730 |
| | Mersa Matruh (A) | 5 | 1 | 0 | 1-10 | 4 | 4 | 1 | 9 | 6 | 12 | 35 | 58 | 52 | 28 | 15 | 10 | 234 |
| | | | | | 11-27 | 0 | 0 | 6 | 1 | 0 | 0 | 13 | 127 | 155 | 72 | 69 | 39 | 482 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 2 | 8 | 22 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 4 | 4 | 7 | 10 | 6 | 12 | 48 | 185 | 213 | 106 | 86 | 57 | 738 |
| | Alexandria (A) | 18 | 1 | 0 | 1-10 | 7 | 17 | 21 | 19 | 8 | 31 | 44 | 108 | 41 | 53 | 30 | 23 | 402 |
| | | | | | 11-27 | 7 | 6 | 1 | 1 | 0 | 0 | 3 | 92 | 82 | 52 | 53 | 19 | 316 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 0 | 0 | 7 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 14 | 23 | 22 | 20 | 8 | 31 | 47 | 201 | 127 | 107 | 83 | 42 | 725 |
| | El Dekheila (A) | 26 | 2 | 0 | 1-10 | 8 | 7 | 10 | 24 | 5 | 11 | 32 | 83 | 117 | 48 | 55 | 30 | 430 |
| | | | | | 11-27 | 1 | 12 | 6 | 1 | 0 | 0 | 0 | 34 | 63 | 57 | 37 | 72 | 283 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 3 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 9 | 19 | 16 | 25 | 5 | 11 | 32 | 117 | 180 | 107 | 93 | 102 | 716 |
| | Port Said (A) | 1 | 10 | 3 | 1-10 | 12 | 9 | 12 | 16 | 18 | 21 | 31 | 55 | 107 | 90 | 45 | 26 | 442 |
| | | | | | 11-27 | 12 | 3 | 17 | 4 | 3 | 0 | 8 | 55 | 123 | 48 | 3 | 9 | 285 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 24 | 12 | 29 | 20 | 21 | 21 | 39 | 110 | 233 | 138 | 48 | 35 | 730 |
| | El Arish ... ... | 66 | 36 | 0 | 1-10 | 22 | 20 | 10 | 2 | 15 | 100 | 63 | 54 | 171 | 50 | 36 | 25 | 568 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 46 | 25 | 2 | 0 | 74 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 22 | 20 | 10 | 2 | 15 | 100 | 63 | 55 | 217 | 75 | 38 | 25 | 642 |
| LOWER EGYPT | Zaher (A) | 12 | 22 | 1 | 1-10 | 9 | 7 | 11 | 10 | 15 | 34 | 55 | 87 | 112 | 57 | 38 | 30 | 465 |
| | | | | | 11-27 | 0 | 5 | 9 | 0 | 2 | 9 | 34 | 65 | 97 | 14 | 3 | 4 | 242 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 9 | 12 | 20 | 10 | 17 | 43 | 89 | 154 | 209 | 71 | 41 | 34 | 709 |
| CAIRO AREA | Cairo (A) | 30 | 32 | 1 | 1-10 | 13 | 6 | 20 | 25 | 34 | 31 | 111 | 87 | 59 | 50 | 42 | 26 | 504 |
| | | | | | 11-27 | 0 | 0 | 8 | 0 | 0 | 1 | 40 | 64 | 42 | 20 | 2 | 0 | 177 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 13 | 6 | 28 | 25 | 34 | 32 | 151 | 151 | 101 | 70 | 44 | 26 | 681 |
| | Almaza (A) | 2 | 13 | 4 | 1-10 | 17 | 29 | 19 | 19 | 48 | 38 | 74 | 46 | 48 | 37 | 28 | 45 | 448 |
| | | | | | 11-27 | 1 | 14 | 8 | 5 | 2 | 16 | 73 | 59 | 63 | 38 | 6 | 1 | 277 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 18 | 43 | 27 | 24 | 50 | 54 | 147 | 96 | 111 | 75 | 34 | 46 | 725 |
| | Abbassiya (H.Q.) | 128 | 72 | 1 | 1-10 | 25 | 14 | 12 | 36 | 0 | 3 | 87 | 94 | 94 | 36 | 36 | 37 | 474 |
| | | | | | 11-27 | 0 | 0 | 4 | 0 | 0 | 0 | 5 | 28 | 24 | 7 | 1 | 0 | 69 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 25 | 14 | 16 | 36 | 0 | 3 | 92 | 122 | 118 | 43 | 37 | 37 | 543 |
| | Mostafa Helmi (A) | 17 | 9 | 35 | 1-10 | 20 | 18 | 14 | 13 | 7 | 8 | 53 | 72 | 65 | 59 | 44 | 46 | 419 |
| | | | | | 11-27 | 1 | 2 | 15 | 4 | 0 | 0 | 16 | 66 | 67 | 60 | 22 | 11 | 264 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 21 | 20 | 29 | 17 | 7 | 8 | 69 | 138 | 132 | 119 | 66 | 57 | 683 |
| | Giza ... ... ... | 207 | 5 | 0 | 1-10 | 37 | 17 | 18 | 2 | 52 | 33 | 101 | 71 | 74 | 39 | 43 | 35 | 522 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 1 | 1 | 0 | 10 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 37 | 17 | 18 | 2 | 52 | 33 | 102 | 78 | 74 | 40 | 44 | 35 | 532 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

### SOUTHERN REGION (*contd.*) — JANUARY 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| Upper Egypt | Minya... ... (A) | 80 | 96 | 1 | 1-10 | 50 | 9 | 3 | 1 | 26 | 75 | 22 | 15 | 34 | 54 | 57 | 150 | 496 |
| | | | | | 11-27 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 22 | 18 | 17 | 71 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 54 | 10 | 3 | 1 | 26 | 75 | 23 | 15 | 42 | 76 | 75 | 167 | 567 |
| | Luxor... ... (A) | 15 | 20 | 0 | 1-10 | 43 | 31 | 26 | 20 | 32 | 59 | 105 | 57 | 29 | 65 | 65 | 133 | 665 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 26 | 10 | 44 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 43 | 31 | 26 | 20 | 32 | 59 | 105 | 58 | 29 | 72 | 91 | 143 | 709 |
| Western Desert | Siwa ... ... ... | 153 | 1 | 0 | 1-10 | 18 | 0 | 4 | 7 | 21 | 21 | 17 | 21 | 25 | 88 | 117 | 43 | 382 |
| | | | | | 11-27 | 17 | 0 | 0 | 0 | 2 | 3 | 1 | 2 | 8 | 27 | 72 | 76 | 208 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 35 | 0 | 4 | 7 | 23 | 24 | 18 | 23 | 33 | 115 | 189 | 119 | 590 |
| | Dakhla... ... ... | 16 | 97 | 15 | 1-10 | 21 | 9 | 23 | 15 | 16 | 8 | 24 | 1 | 53 | 102 | 161 | 93 | 526 |
| | | | | | 11-27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 44 | 38 | 90 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 26 | 9 | 23 | 15 | 16 | 8 | 24 | 1 | 53 | 105 | 205 | 131 | 616 |
| Red Sea | Hurghada ... ... | 2 | 20 | 1 | 1-10 | 30 | 21 | 14 | 11 | 8 | 11 | 0 | 2 | 45 | 53 | 129 | 44 | 368 |
| | | | | | 11-27 | 24 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 152 | 101 | 352 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 54 | 21 | 15 | 11 | 8 | 11 | 0 | 2 | 45 | 127 | 281 | 146 | 721 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## JABLEH (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 7 | 0 | 0 | 1–10 | 0 | 0 | 0 | 1 | 7 | 7 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 7 | 7 | 3 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 24 |
| 0300 | 9 | 0 | 0 | 1–10 | 0 | 1 | 0 | 2 | 6 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 2 | 6 | 7 | 3 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 22 |
| 0600 | 11 | 0 | 0 | 1–10 | 0 | 1 | 2 | 2 | 4 | 5 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 2 | 4 | 5 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 20 |
| 0900 | 12 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 11 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 2 | 2 | 1 | 5 | 3 | 0 | 2 | 1 | 0 | 0 | 1 | 1 | 19 |
| 1200 | 5 | 0 | 0 | 1–10 | 4 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 3 | 0 | 1 | 0 | 1 | 1 | 17 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 4 | 2 | 5 | 0 | 3 | 0 | 1 | 1 | 26 |
| 1500 | 4 | 0 | 0 | 1–10 | 0 | 2 | 1 | 0 | 1 | 2 | 2 | 2 | 3 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 18 |
| | | | | 11–27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 1 | 0 | 1 | 2 | 2 | 3 | 3 | 1 | 7 | 1 | 1 | 0 | 1 | 0 | 27 |
| 1800 | 15 | 0 | 0 | 1–10 | 0 | 0 | 1 | 3 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 3 | 4 | 3 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 16 |
| 2100 | 9 | 0 | 0 | 1–10 | 0 | 1 | 4 | 1 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | All speeds | 0 | 1 | 4 | 1 | 6 | 3 | 4 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 22 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## BOUKA — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 19 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 11-27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 2 | 0 | 1 |
| 0300 | 14 | 0 | 0 | 1-10 | 2 | 1 | 0 | 0 | 0 | 3 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 5 | 1 | 0 | 0 | 0 | 3 | 2 | 1 | 0 | 0 | 3 | 0 | 2 | 0 | 0 | 0 | 1 |
| 0600 | 12 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 6 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 4 | 0 | 0 | 0 | 1 | 1 | 1 | 6 | 0 | 0 | 3 | 0 | 2 | 0 | 1 | 0 | |
| 0900 | 10 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 2 | 0 | 1 | 2 | 0 | 1 | 3 | 0 | 1 | 0 | 1 | 0 | |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 3 | 0 | 0 | 1 | 3 | 0 | 1 | 3 | 0 | 1 | 3 | 0 | 4 | 0 | 2 | 0 | |
| 1200 | 7 | 0 | 0 | 1-10 | 3 | 0 | 0 | 1 | 2 | 3 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 3 | 0 | 0 | 1 | 4 | 4 | 2 | 3 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 1 | |
| 1500 | 13 | 0 | 0 | 1-10 | 1 | 0 | 1 | 1 | 0 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 5 | 0 | 1 | 1 | 0 | 2 | 3 | 0 | 0 | 1 | 1 | 0 | 3 | 0 | 1 | 0 | |
| 1800 | 16 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 5 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 2 | 0 | 2 | 0 | 1 | 0 | |
| 2100 | 16 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 3 | 0 | 2 | 0 | 2 | 0 | |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DAMASCUS (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 18 | 0 | 0 | 1-10 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 3 | 1 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 1 | 1 | 13 |
| 0300 | 16 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 5 | 2 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 6 | 2 | 0 | 0 | 15 |
| 0600 | 23 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 8 |
| 0900 | 15 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 3 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 3 | 1 | 2 | 1 | 2 | 0 | 1 | 0 | 16 |
| 1200 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 6 | 2 | 2 | 2 | 2 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 1 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 6 | 2 | 2 | 2 | 2 | 0 | 8 | 1 | 1 | 0 | 2 | 0 | 26 |
| 1500 | 7 | 0 | 0 | 1-10 | 1 | 1 | 2 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 4 | 2 | 1 | 1 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 4 | 5 | 2 | 2 | 2 | 0 | 24 |
| 1800 | 13 | 0 | 0 | 1-10 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 5 | 1 | 1 | 0 | 14 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 6 | 1 | 3 | 0 | 18 |
| 2100 | 14 | 0 | 0 | 1-10 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 2 | 3 | 1 | 2 | 0 | 17 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEPPO (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W |
| 0000 | 3 | 0 | 0 | 1-10 | 2 | 1 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 0 |
| | | | | 11-27 | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 1 | 1 | 0 |
| 0300 | 5 | 0 | 0 | 1-10 | 1 | 1 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 2 |
| | | | | 11-27 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 4 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 2 |
| 0600 | 8 | 0 | 0 | 1-10 | 3 | 2 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| | | | | 11-27 | 2 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 2 | 6 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 0900 | 1 | 0 | 0 | 1-10 | 2 | 2 | 1 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| | | | | 11-27 | 1 | 4 | 5 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 6 | 6 | 6 | 2 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 1 | 0 | 1 | 0 |
| 1200 | 2 | 0 | 0 | 1-10 | 3 | 1 | 2 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 |
| | | | | 11-27 | 1 | 0 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 6 | 7 | 4 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 1 | 0 | 0 |
| 1500 | 3 | 0 | 0 | 1-10 | 4 | 6 | 2 | 5 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| | | | | 11-27 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 8 | 3 | 5 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 1 | 0 | 0 |
| 1800 | 7 | 0 | 0 | 1-10 | 2 | 4 | 2 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| | | | | 11-27 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 5 | 3 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 |
| 2100 | 6 | 0 | 0 | 1-10 | 1 | 4 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 |
| | | | | 11-27 | 3 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 5 | 5 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 1 | 1 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## HAMA(A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 13 | 0 | 0 | 1-10 | 0 | 0 | 1 | 5 | 5 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 5 | 5 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 18 |
| 0300 | 12 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 3 | 8 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 2 | 1 | 19 |
| 0600 | 12 | 0 | 0 | 1-10 | 0 | 0 | 0 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 1 | 2 | 1 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 4 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 1 | 2 | 1 | 19 |
| 0900 | 10 | 0 | 0 | 1-10 | 3 | 1 | 1 | 0 | 4 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 1 | 0 | 4 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 0 | 1 | 3 | 2 | 21 |
| 1200 | 9 | 0 | 0 | 1-10 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 3 | 1 | 3 | 15 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 3 | 4 | 1 | 3 | 22 |
| 1500 | 1 | 0 | 0 | 1-10 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 10 | 0 | 0 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 5 | 11 | 0 | 0 | 30 |
| 1800 | 4 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 4 | 3 | 7 | 2 | 0 | 23 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 5 | 5 | 7 | 2 | 0 | 27 |
| 2100 | 11 | 0 | 0 | 1-10 | 1 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 2 | 0 | 2 | 3 | 3 | 2 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 2 | 0 | 2 | 4 | 3 | 2 | 0 | 0 | 20 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## KHARABO (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W |
| 0000 | 21 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 1 | 0 | 0 |
| 0300 | 24 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 0 | 0 | 0 |
| 0600 | 22 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 4 | 0 | 0 |
| 0900 | 18 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 0 |
| | | | | 21-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 3 | 2 | 0 |
| 1200 | 11 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 3 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 2 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 7 | 2 | 3 | 0 |
| 1500 | 17 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 2 | 0 | 0 |
| 1800 | 18 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 2 | 0 | 0 |
| 2100 | 19 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 2 | 0 | 0 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**SALAMIYIE —JANUARY 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 24 | • | • | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | • | • | • | 1 | 3 | 1 | 1 | • | • | • | 1 | 7 |
| 0300 | 27 | • | • | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | 0 | • | • | • | • | • | 0 | • | • | 3 | • | • | • | 0 | 1 | 4 |
| 0600 | 27 | • | • | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | 0 | • | • | • | • | 0 | • | • | 2 | 2 | • | • | • | • | • | 4 |
| 0900 | 18 | • | • | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 1 | 1 | 0 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | • | • | • | 0 | 0 | 1 | 2 | 2 | 6 | • | • | 1 | 1 | • | 13 |
| 1200 | 17 | • | • | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 1 | 1 | 2 | 0 | 11 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | • | • | • | 0 | • | 0 | 1 | 5 | 1 | 2 | 1 | 2 | • | 14 |
| 1500 | 19 | • | • | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 2 | 1 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | • | • | 0 | 0 | • | 1 | 4 | 1 | • | 2 | 1 | 0 | 12 |
| 1800 | 27 | • | • | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | • | • | • | • | • | 0 | 0 | • | • | 2 | 1 | • | • | • | • | 4 |
| 2100 | 27 | • | • | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | 1 | 0 | • | 0 | 1 | 2 | 0 | • | • | • | • | 4 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## FIQ — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W |
| 0000 | — | — | — | 1-10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11-27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28-47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0300 | — | — | — | 1-10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11-27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28-47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0600 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 12 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 19 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 0 | 0 | 0 | 0 |
| 0900 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 3 | 2 | 3 | 1 | 1 | 1 | 0 | 0 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 10 | 0 | 0 | 3 | 3 | 5 | 3 | 3 | 1 | 0 | 0 | 0 |
| 1200 | 2 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 4 | 2 | 3 | 1 | 5 | 0 | 0 | 1 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 4 | 0 | 1 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 2 | 5 | 3 | 7 | 1 | 6 | 0 | 0 | 1 |
| 1500 | 7 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 7 | 0 | 0 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 4 | 4 | 3 | 9 | 0 | 0 | 0 |
| 1800 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 3 | 2 | 2 | 1 | 0 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 6 | 1 | 0 | 0 | 0 | 1 | 3 | 2 | 6 | 1 | 0 | 0 |
| 2100 | — | — | — | 1-10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11-27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28-47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## PALMYRA (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 14 | 0 | 0 | 1-10 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 4 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 5 | 0 | 17 |
| 0300 | 14 | 0 | 0 | 1-10 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 6 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 3 | 6 | 0 | 17 |
| 0600 | 18 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 6 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 8 | 1 | 0 | 13 |
| 0900 | 11 | 0 | 0 | 1-10 | 0 | 1 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 4 | 4 | 1 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 4 | 5 | 1 | 0 | 20 |
| 1200 | 12 | 0 | 0 | 1-10 | 2 | 2 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 2 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 3 | 1 | 19 |
| 1500 | 8 | 0 | 0 | 1-10 | 2 | 1 | 3 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 2 | 2 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 3 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 2 | 3 | 25 |
| 1800 | 8 | 0 | 0 | 1-10 | 2 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 3 | 21 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 7 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 1 | 3 | 23 |
| 2100 | 14 | 0 | 0 | 1-10 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 0 | 17 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DEIR EZZOR (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All |
| 0000 | 22 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | |
| 0300 | 20 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 3 | 2 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 3 | 2 | 0 | 0 | |
| 0600 | 21 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 2 | 0 | 1 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 2 | 0 | 1 | |
| 0900 | 9 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 2 | 2 | 2 | |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 3 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 1 | 1 | 4 | 0 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | |
| 1200 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 1 | 3 | 0 | 2 | 0 | 0 | 3 | 1 | 2 | |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 1 | 0 | 0 | 1 | 5 | 0 | 1 | 1 | 3 | 0 | 2 | 1 | 0 | 4 | 1 | 2 | |
| 1500 | 17 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 3 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 48-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 1 | 0 | 5 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | |
| 1800 | 15 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 4 | 2 | 0 | 2 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 4 | 2 | 0 | 2 | |
| 2100 | 20 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | |

BLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

## RAQQA — JANUARY 1959

| our | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 000 | 8 | 0 | 0 | 1-10 | 2 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 1 | 18 |
| | | | | 11-27 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 4 | 1 | 0 | 1 | 23 |
| 300 | 10 | 0 | 0 | 1-10 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 3 | 0 | 0 | 0 | 18 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 7 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 3 | 1 | 0 | 0 | 21 |
| 600 | 8 | 0 | 0 | 1-10 | 0 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 1 | 1 | 0 | 16 |
| | | | | 11-27 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 7 | 5 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 6 | 1 | 1 | 0 | 23 |
| 900 | 7 | 0 | 0 | 1-10 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 1 | 11 |
| | | | | 11-27 | 0 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 4 | 8 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 1 | 3 | 0 | 0 | 1 | 24 |
| 1200 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 2 | 2 | 0 | 1 | 2 | 14 |
| | | | | 11-27 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 9 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 2 | 3 | 0 | 1 | 3 | 27 |
| 1500 | 4 | 0 | 0 | 1-10 | 1 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 0 | 1 | 1 | 27 |
| 1800 | 5 | 0 | 0 | 1-10 | 0 | 4 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 20 |
| | | | | 11-27 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 6 | 8 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 2 | 3 | 1 | 2 | 26 |
| 2100 | 5 | 0 | 0 | 1-10 | 1 | 5 | 4 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 4 | 1 | 2 | 0 | 22 |
| | | | | 11-27 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 6 | 6 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 4 | 1 | 3 | 0 | 26 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## QAMISHLIE (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW |
| 0000 | 3 | 0 | 0 | 1–10 | 2 | 4 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 11–27 | 4 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 6 | 7 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| 0300 | 3 | 0 | 0 | 1–10 | 4 | 4 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 11–27 | 4 | 1 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 5 | 9 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 0600 | 7 | 0 | 0 | 1–10 | 5 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 2 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 0900 | 3 | 0 | 0 | 1–10 | 0 | 1 | 0 | 3 | 3 | 0 | 1 | 0 | 3 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| | | | | 11–27 | 1 | 0 | 5 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 5 | 8 | 5 | 0 | 1 | 0 | 3 | 6 | 1 | 0 | 1 | 0 | 1 | 1 |
| 1200 | 8 | 0 | 0 | 1–10 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 |
| | | | | 11–27 | 1 | 0 | 1 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 3 | 6 | 4 | 1 | 1 | 1 | 0 | 0 | 3 | 0 | 1 | 1 | 0 | 1 |
| 1500 | 11 | 0 | 0 | 1–10 | 0 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| | | | | 11–27 | 0 | 0 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 5 | 5 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| 1800 | 7 | 0 | 0 | 1–10 | 4 | 6 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 1 | 0 | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 6 | 7 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2100 | 6 | 0 | 0 | 1–10 | 5 | 3 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 3 | 1 | 4 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 4 | 7 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## SALLUM — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 15 | 0 | 0 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 17 | 2 | 1 | 29 |
| 0300 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 1 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 15 | 0 | 1 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 20 | 1 | 1 | 29 |
| 0600 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 16 | 0 | 1 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 8 | 20 | 0 | 1 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 4 | 0 | 1 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 15 | 1 | 2 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 4 | 19 | 1 | 3 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 2 | 2 | 0 | 10 |
| | | | | 11-27 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 10 | 0 | 1 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 2 | 2 | 0 | 1 | 3 | 4 | 13 | 2 | 1 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 2 | 3 | 13 |
| | | | | 11-27 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 6 | 1 | 3 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 4 | 12 | 3 | 6 | 31 |
| 1800 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 11 | 1 | 7 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 2 | 14 | 1 | 7 | 28 |
| 2100 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 5 | 1 | 2 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 9 | 2 | 0 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 14 | 3 | 2 | 27 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MERSA MATRUH (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 4 | 1 | 1 | 0 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 7 | 0 | 2 | 1 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 13 | 8 | 1 | 3 | 1 | 30 |
| 0300 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 | 7 | 0 | 3 | 1 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 6 | 8 | 1 | 3 | 1 | 30 |
| 0600 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 7 | 2 | 1 | 2 | 27 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 8 | 2 | 1 | 2 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 11 | 3 | 3 | 1 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 6 | 13 | 4 | 4 | 1 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 1 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 3 | 7 | 5 | 2 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 3 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 5 | 3 | 9 | 6 | 4 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 6 | 1 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 4 | 4 | 13 | 2 | 31 |
| 1800 | 1 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 6 | 6 | 2 | 1 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 1 | 1 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 0 | 0 | 4 | 8 | 8 | 4 | 3 | 1 | 30 |
| 2100 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 3 | 2 | 0 | 0 | 15 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 4 | 1 | 1 | 1 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 2 | 3 | 13 | 7 | 3 | 1 | 1 | 31 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ALEXANDRIA (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 0 | 3 | 0 | 3 | 0 | 1 | 5 | 5 | 0 | 1 | 1 | 1 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 3 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 0 | 3 | 0 | 1 | 5 | 8 | 1 | 3 | 4 | 1 | 29 |
| 0300 | 3 | 0 | 0 | 1-10 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 9 | 2 | 0 | 1 | 1 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 3 | 2 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 13 | 3 | 0 | 4 | 3 | 28 |
| 0600 | 1 | 0 | 0 | 1-10 | 0 | 2 | 0 | 2 | 0 | 0 | 1 | 10 | 2 | 0 | 0 | 1 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 2 | 2 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 2 | 0 | 0 | 1 | 15 | 5 | 0 | 2 | 3 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 5 | 1 | 1 | 1 | 0 | 10 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 11 | 3 | 1 | 4 | 0 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 16 | 4 | 2 | 5 | 0 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 2 | 1 | 2 | 0 | 9 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 4 | 3 | 2 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 3 | 12 | 5 | 5 | 2 | 31 |
| 1500 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 9 | 2 | 2 | 15 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 4 | 1 | 1 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 13 | 3 | 3 | 30 |
| 1800 | 5 | 0 | 0 | 1-10 | 1 | 2 | 1 | 2 | 0 | 3 | 0 | 0 | 1 | 3 | 3 | 0 | 16 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 1 | 1 | 1 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 1 | 2 | 0 | 3 | 0 | 3 | 4 | 4 | 4 | 1 | 26 |
| 2100 | 3 | 0 | 0 | 1-10 | 1 | 2 | 0 | 1 | 1 | 1 | 4 | 4 | 1 | 5 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 2 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 0 | 1 | 1 | 1 | 4 | 8 | 3 | 5 | 2 | 0 | 28 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DEKHEILA (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 314 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 1 | 0 | 0 | 1—10 | 0 | 0 | 2 | 0 | 0 | 1 | 7 | 0 | 6 | 0 | 2 | 2 | 20 |
| | | | | 11—27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 2 | 10 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 0 | 0 | 1 | 7 | 2 | 7 | 0 | 5 | 4 | 30 |
| 0300 | 1 | 0 | 0 | 1—10 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 4 | 9 | 1 | 2 | 0 | 20 |
| | | | | 11—27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 4 | 10 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 2 | 0 | 0 | 1 | 6 | 11 | 1 | 3 | 4 | 30 |
| 0600 | 0 | 0 | 0 | 1—10 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 3 | 14 | 1 | 1 | 0 | 23 |
| | | | | 11—27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 3 | 8 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 4 | 0 | 0 | 0 | 4 | 15 | 2 | 1 | 3 | 31 |
| 0900 | 0 | 0 | 0 | 1—10 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 3 | 6 | 1 | 0 | 1 | 15 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 4 | 2 | 3 | 16 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 5 | 11 | 5 | 2 | 4 | 31 |
| 1200 | 0 | 0 | 0 | 1—10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 8 | 3 | 1 | 14 |
| | | | | 11—27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 1 | 3 | 16 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 16 | 4 | 4 | 31 |
| 1500 | 5 | 0 | 0 | 1—10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 5 | 2 | 14 |
| | | | | 11—27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 3 | 12 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 8 | 5 | 26 |
| 1800 | 3 | 0 | 0 | 1—10 | 2 | 0 | 1 | 1 | 0 | 2 | 0 | 1 | 5 | 2 | 3 | 3 | 20 |
| | | | | 11—27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 1 | 7 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 1 | 1 | 0 | 2 | 0 | 3 | 7 | 2 | 5 | 4 | 28 |
| 2100 | 2 | 0 | 0 | 1—10 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 3 | 5 | 0 | 4 | 2 | 20 |
| | | | | 11—27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 1 | 8 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 1 | 1 | 1 | 3 | 4 | 7 | 1 | 7 | 3 | 29 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## PORT SAID (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 1 | 5 | 3 | 3 | 6 | 2 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 3 | 0 | 0 | 1 | 5 | 6 | 8 | 6 | 2 | 0 | 31 |
| 0300 | 0 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 3 | 6 | 5 | 1 | 0 | 20 |
| | | | | 11-27 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 3 | 1 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 1 | 0 | 2 | 3 | 6 | 10 | 6 | 1 | 0 | 31 |
| 0600 | 0 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 4 | 5 | 5 | 2 | 0 | 18 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 5 | 1 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 8 | 10 | 6 | 2 | 0 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 7 | 0 | 1 | 0 | 14 |
| | | | | 11-27 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 5 | 6 | 4 | 0 | 0 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 9 | 13 | 4 | 1 | 0 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 5 | 9 | 2 | 1 | 22 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 5 | 8 | 11 | 2 | 1 | 31 |
| 1500 | 1 | 0 | 0 | 1-10 | 1 | 3 | 0 | 3 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 5 | 18 |
| | | | | 11-27 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 4 | 3 | 0 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 1 | 3 | 0 | 0 | 0 | 3 | 6 | 4 | 2 | 6 | 30 |
| 1800 | 2 | 0 | 0 | 1-10 | 1 | 3 | 0 | 0 | 0 | 2 | 1 | 2 | 2 | 3 | 3 | 1 | 18 |
| | | | | 11-27 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 4 | 2 | 0 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 1 | 0 | 0 | 2 | 1 | 5 | 6 | 5 | 3 | 1 | 29 |
| 2100 | 1 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 4 | 2 | 2 | 1 | 2 | 3 | 3 | 1 | 19 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 6 | 2 | 0 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 4 | 2 | 3 | 2 | 8 | 5 | 3 | 1 | 30 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## EL ARISH — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 314 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 3 | 12 | 0 | 0 | 0 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **5** | **7** | **3** | **13** | **0** | **0** | **0** | **28** |
| 0300 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 4 | 3 | 6 | 4 | 11 | 0 | 0 | 0 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **4** | **3** | **6** | **4** | **12** | **0** | **0** | **0** | **29** |
| 0600 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 5 | 2 | 4 | 7 | 7 | 2 | 0 | 0 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **5** | **2** | **4** | **7** | **9** | **2** | **0** | **0** | **29** |
| 0900 | 0 | 0 | 0 | 1-10 | 1 | 0 | 1 | 3 | 0 | 0 | 5 | 8 | 2 | 4 | 1 | 0 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **1** | **3** | **0** | **0** | **5** | **8** | **7** | **5** | **1** | **0** | **31** |
| 1200 | 0 | 0 | 0 | 1-10 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 7 | 4 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 2 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **3** | **0** | **0** | **0** | **0** | **0** | **2** | **3** | **8** | **9** | **4** | **31** |
| 1500 | 4 | 0 | 0 | 1-10 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 1 | 1 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **12** | **1** | **1** | **27** |
| 1800 | 8 | 0 | 0 | 1-10 | 2 | 0 | 1 | 0 | 5 | 0 | 0 | 1 | 6 | 4 | 1 | 1 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **1** | **0** | **5** | **0** | **0** | **1** | **7** | **5** | **1** | **1** | **23** |
| 2100 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 6 | 1 | 9 | 9 | 0 | 1 | 0 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **2** | **6** | **1** | **9** | **10** | **0** | **1** | **0** | **29** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABU SUEIR (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 7 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 8 | 5 | 0 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 12 | 5 | 0 | 0 | 24 |
| 0300 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 4 | 7 | 0 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 3 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 7 | 10 | 0 | 0 | 22 |
| 0600 | 7 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 6 | 2 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 7 | 2 | 0 | 0 | 12 |
| | | | | 28-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 1 | 13 | 4 | 0 | 0 | 24 |
| 0900 | 4 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 2 | 3 | 2 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 6 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 2 | 11 | 9 | 2 | 0 | 27 |
| 1200 | 3 | 0 | 0 | 1-10 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 10 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 1 | 0 | 13 |
| | | | | 28 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 5 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 8 | 9 | 5 | 0 | 28 |
| 1500 | 1 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 2 | 1 | 13 |
| | | | | 11-27 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 6 | 2 | 1 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 5 | 12 | 4 | 2 | 30 |
| 1800 | 8 | 0 | 0 | 1-10 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 4 | 3 | 3 | 2 | 17 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 1 | 1 | 0 | 0 | 2 | 1 | 7 | 4 | 3 | 2 | 23 |
| 2100 | 10 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 7 | 3 | 1 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 11 | 5 | 1 | 0 | 21 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## CAIRO (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 3 | 5 | 7 | 2 | 2 | 0 | 0 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 2 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 3 | 5 | 11 | 4 | 4 | 0 | 0 | 0 | 29 |
| 0300 | 4 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 1 | 2 | 10 | 3 | 1 | 1 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 3 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 1 | 2 | 13 | 4 | 4 | 1 | 0 | 0 | 27 |
| 0600 | 5 | 0 | 0 | 1-10 | 1 | 0 | 3 | 0 | 0 | 0 | 8 | 3 | 1 | 1 | 1 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 1 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 3 | 0 | 0 | 1 | 12 | 5 | 2 | 1 | 1 | 0 | 26 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 7 | 2 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 4 | 2 | 3 | 0 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 7 | 9 | 10 | 2 | 0 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 3 | 2 | 16 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 3 | 4 | 2 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 6 | 6 | 8 | 5 | 2 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 8 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 4 | 1 | 1 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 3 | 0 | 0 | 0 | 5 | 1 | 5 | 5 | 4 | 8 | 31 |
| 1800 | 6 | 0 | 0 | 1-10 | 5 | 0 | 0 | 4 | 0 | 0 | 1 | 4 | 3 | 4 | 0 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 4 | 0 | 1 | 1 | 5 | 5 | 4 | 0 | 0 | 25 |
| 2100 | 2 | 0 | 0 | 1-10 | 1 | 0 | 1 | 3 | 4 | 1 | 6 | 4 | 1 | 2 | 0 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 3 | 4 | 2 | 7 | 6 | 3 | 2 | 0 | 0 | 29 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ALMAZA (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 0 | 1 | 0 | 2 | 4 | 4 | 7 | 3 | 0 | 0 | 1 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 1 | 2 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 2 | 4 | 4 | 11 | 4 | 2 | 0 | 1 | 0 | 30 |
| 0300 | 1 | 0 | 0 | 1-10 | 0 | 2 | 0 | 1 | 3 | 4 | 4 | 3 | 1 | 1 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 3 | 1 | 1 | 0 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 2 | 3 | 5 | 8 | 6 | 2 | 2 | 0 | 0 | 30 |
| 0600 | 3 | 0 | 0 | 1-10 | 1 | 2 | 0 | 0 | 0 | 4 | 7 | 3 | 1 | 2 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 1 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 0 | 0 | 0 | 5 | 10 | 6 | 1 | 3 | 0 | 0 | 28 |
| 0900 | 1 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 1 | 2 | 1 | 16 |
| | | | | 11-27 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 4 | 3 | 2 | 1 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 1 | 1 | 0 | 0 | 3 | 8 | 7 | 3 | 3 | 1 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 6 | 2 | 3 | 16 |
| | | | | 11-27 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 6 | 2 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 6 | 3 | 12 | 4 | 3 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 7 | 2 | 17 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 3 | 4 | 0 | 1 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 5 | 7 | 3 | 31 |
| 1800 | 1 | 0 | 0 | 1-10 | 3 | 5 | 1 | 2 | 2 | 0 | 2 | 5 | 0 | 2 | 1 | 0 | 23 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 3 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 6 | 1 | 2 | 2 | 1 | 3 | 5 | 1 | 5 | 1 | 0 | 30 |
| 2100 | 3 | 0 | 0 | 1-10 | 0 | 0 | 1 | 3 | 2 | 3 | 4 | 3 | 4 | 0 | 0 | 1 | 21 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 1 | 0 | 1 | 28 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABBASIYA (H.Q.) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 18 | 0 | 0 | 1-10 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 6 | 2 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 6 | 2 | 0 | 0 | 0 | 13 |
| 0300 | 17 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 5 | 1 | 0 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 5 | 3 | 0 | 0 | 0 | 14 |
| 0600 | 14 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 5 | 4 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 5 | 4 | 0 | 0 | 0 | 17 |
| 0900 | 2 | 0 | 0 | 1-10 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 6 | 5 | 2 | 3 | 2 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 8 | 7 | 3 | 3 | 2 | 29 |
| 1200 | 1 | 0 | 0 | 1-10 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 5 | 2 | 1 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 1 | 2 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 7 | 7 | 6 | 4 | 1 | 30 |
| 1500 | 4 | 0 | 0 | 1-10 | 3 | 1 | 1 | 0 | 0 | 0 | 2 | 4 | 1 | 2 | 6 | 2 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 1 | 0 | 0 | 0 | 2 | 5 | 4 | 3 | 6 | 2 | 27 |
| 1800 | 14 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 0 | 2 | 2 | 4 | 5 | 1 | 1 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 0 | 2 | 2 | 4 | 5 | 1 | 1 | 0 | 17 |
| 2100 | 18 | 0 | 0 | 1-10 | 0 | 0 | 2 | 0 | 0 | 0 | 5 | 3 | 3 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 0 | 0 | 0 | 5 | 3 | 3 | 0 | 0 | 0 | 13 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MOSTAFA HELMI (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 0 | 1 | 2 | 1 | 0 | 2 | 1 | 6 | 5 | 2 | 0 | 1 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 2 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 1 | 0 | 2 | 2 | 9 | 8 | 4 | 0 | 1 | 30 |
| 0300 | 2 | 0 | 0 | 1-10 | 0 | 1 | 1 | 0 | 0 | 3 | 0 | 8 | 3 | 3 | 1 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 3 | 2 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 0 | 0 | 3 | 1 | 10 | 6 | 5 | 1 | 0 | 29 |
| 0600 | 1 | 0 | 0 | 1-10 | 0 | 3 | 0 | 0 | 0 | 6 | 0 | 8 | 0 | 2 | 0 | 1 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 5 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 0 | 0 | 0 | 6 | 1 | 12 | 5 | 2 | 0 | 1 | 30 |
| 0900 | 2 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 7 | 3 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 1 | 3 | 6 | 1 | 0 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 3 | 4 | 13 | 4 | 0 | 29 |
| 1200 | 1 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 2 | 13 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 7 | 3 | 2 | 1 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 9 | 6 | 6 | 3 | 30 |
| 1500 | 4 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 12 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 6 | 1 | 2 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 8 | 3 | 6 | 27 |
| 1800 | 2 | 0 | 0 | 1-10 | 5 | 0 | 2 | 0 | 1 | 1 | 4 | 0 | 0 | 3 | 1 | 5 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 1 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 2 | 0 | 1 | 1 | 4 | 0 | 4 | 5 | 2 | 5 | 29 |
| 2100 | 3 | 0 | 0 | 1-10 | 1 | 3 | 0 | 1 | 0 | 0 | 2 | 3 | 0 | 6 | 3 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 3 | 0 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 1 | 1 | 0 | 0 | 3 | 7 | 3 | 6 | 3 | 0 | 28 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## GIZA — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 314 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 15 | 0 | 1 | 1–10 | 1 | 0 | 0 | 0 | 0 | 7 | 2 | 0 | 4 | 0 | 0 | 1 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **0** | **0** | **0** | **7** | **2** | **0** | **4** | **0** | **0** | **1** | **15** |
| 0300 | 16 | 0 | 1 | 1–10 | 0 | 0 | 0 | 0 | 0 | 7 | 4 | 2 | 1 | 0 | 0 | 0 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **7** | **4** | **2** | **1** | **0** | **0** | **0** | **14** |
| 0600 | 11 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 5 | 4 | 6 | 1 | 0 | 2 | 1 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **0** | **0** | **5** | **4** | **6** | **1** | **0** | **2** | **1** | **0** | **20** |
| 0900 | 7 | 0 | 2 | 1–10 | 0 | 0 | 1 | 0 | 1 | 0 | 5 | 4 | 3 | 2 | 3 | 1 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **1** | **0** | **1** | **0** | **6** | **4** | **4** | **2** | **3** | **1** | **22** |
| 1200 | 4 | 0 | 0 | 1–10 | 2 | 1 | 0 | 2 | 0 | 0 | 3 | 3 | 2 | 1 | 5 | 4 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **1** | **0** | **2** | **0** | **0** | **3** | **4** | **2** | **3** | **6** | **4** | **27** |
| 1500 | 6 | 0 | 1 | 1–10 | 0 | 3 | 1 | 0 | 0 | 3 | 0 | 4 | 3 | 2 | 7 | 1 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **3** | **1** | **0** | **0** | **3** | **0** | **4** | **3** | **2** | **7** | **1** | **24** |
| 1800 | 20 | 0 | 0 | 1–10 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 1 | 6 | 0 | 0 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **1** | **0** | **0** | **0** | **3** | **0** | **1** | **6** | **0** | **0** | **0** | **11** |
| 2100 | 16 | 0 | 3 | 1–10 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 2 | 4 | 0 | 0 | 0 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **1** | **0** | **0** | **5** | **0** | **2** | **4** | **0** | **0** | **0** | **12** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MINYA (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 4 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 4 | 3 | 3 | 0 | 0 | 2 | 3 | 7 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 0 | 4 | 3 | 3 | 0 | 0 | 3 | 3 | 7 | 27 |
| 0300 | 10 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 1 | 1 | 1 | 8 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 1 | 2 | 1 | 8 | 21 |
| 0600 | 9 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 1 | 0 | 4 | 3 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 1 | 1 | 4 | 3 | 22 |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 5 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 1 | 3 | 7 | 25 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 5 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 3 | 4 | 8 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 2 | 1 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 1 | 5 | 5 | 20 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 1 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 0 | 0 | 0 | 0 | 4 | 2 | 2 | 4 | 8 | 6 | 31 |
| 1500 | 4 | 0 | 0 | 1-10 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 11 | 22 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 1 | 12 | 27 |
| 1800 | 9 | 0 | 0 | 1-10 | 4 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 3 | 1 | 3 | 5 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 3 | 2 | 3 | 5 | 22 |
| 2100 | 11 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 4 | 3 | 4 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 1 | 4 | 3 | 5 | 20 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ASYOUT (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 13 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 13 | 0 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **4** | **0** | **0** | **1** | **13** | **0** | **0** | **18** |
| 0300 | 15 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 7 | 0 | 0 | 15 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **0** | **0** | **0** | **1** | **7** | **0** | **0** | **7** | **0** | **0** | **16** |
| 0600 | 11 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 10 | 6 | 0 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **3** | **0** | **1** | **0** | **10** | **6** | **0** | **0** | **20** |
| 0900 | 10 | 0 | 0 | 1–10 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 8 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **1** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **8** | **8** | **21** |
| 1200 | 3 | 0 | 0 | 1–10 | 6 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 11 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **0** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **2** | **4** | **14** | **28** |
| 1500 | 2 | 0 | 0 | 1–10 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 14 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **10** | **15** | **29** |
| 1800 | 7 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 8 | 11 | 1 | 1 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **0** | **8** | **11** | **1** | **1** | **24** |
| 2100 | 8 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 1 | 12 | 1 | 1 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **8** | **0** | **1** | **12** | **1** | **1** | **23** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## LUXOR (A) — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 15 | 0 | 0 | 1-10 | 1 | 0 | 3 | 0 | 0 | 3 | 3 | 3 | 0 | 0 | 0 | 2 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 3 | 0 | 0 | 3 | 3 | 3 | 0 | 0 | 1 | 2 | 16 |
| 0300 | 17 | 0 | 0 | 1-10 | 0 | 3 | 0 | 0 | 1 | 3 | 1 | 1 | 1 | 2 | 0 | 2 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 0 | 0 | 1 | 3 | 1 | 1 | 1 | 2 | 0 | 2 | 14 |
| 0600 | 20 | 0 | 0 | 1-10 | 0 | 2 | 2 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 2 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 0900 | 3 | 0 | 0 | 1-10 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 19 | 28 |
| 1200 | 1 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 4 | 2 | 11 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 4 | 5 | 13 | 30 |
| 1500 | 5 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 | 9 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 9 | 9 | 26 |
| 1800 | 9 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 7 | 0 | 3 | 4 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 7 | 0 | 3 | 4 | 22 |
| 2100 | 4 | 0 | 0 | 1-10 | 2 | 0 | 1 | 0 | 2 | 5 | 7 | 4 | 3 | 0 | 0 | 1 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 1 | 0 | 2 | 5 | 8 | 4 | 3 | 0 | 1 | 1 | 27 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ASWAN — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 22 | 0 | 0 | 1-10 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 9 |
| 0300 | 2[illegible] | 0 | 0 | 1-10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 0600 | 1[illegible] | 0 | 0 | 1-10 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 12 |
| 0900 | 5 | 0 | 0 | 1-10 | 17 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 18 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 26 |
| 1200 | 5 | 0 | 0 | 1-10 | 16 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 24 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 18 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 26 |
| 1500 | 9 | 0 | 0 | 1-10 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 22 |
| 1800 | 11 | 0 | 0 | 1-10 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 18 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 20 |
| 2100 | 18 | 0 | 0 | 1-10 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speed | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## SIWA — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 12 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 3 | 14 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 6 | 5 | 19 |
| 0300 | 14 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 4 | 6 | 0 | 13 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 5 | 7 | 0 | 17 |
| 0600 | 16 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 2 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 5 | 3 | 15 |
| 0900 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 2 | 2 | 4 | 1 | 3 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 6 | 2 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 2 | 2 | 6 | 7 | 5 | 28 |
| 1200 | 0 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 6 | 3 | 15 |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 3 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 13 | 6 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 2 | 0 | 5 | 3 | 17 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 3 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 2 | 1 | 13 | 6 | 31 |
| 1800 | 9 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 6 | 0 | 3 | 2 | 19 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 7 | 0 | 4 | 2 | 22 |
| 2100 | 10 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 8 | 1 | 16 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 8 | 4 | 21 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## BAHARIYA — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 5 |
| 0300 | 25 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 6 |
| 0600 | 23 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 1 | 8 |
| 0900 | 19 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 2 | 12 |
| 1200 | 12 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 2 | 7 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 5 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 1 | 7 | 19 |
| 1500 | 13 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 3 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 5 | 4 | 18 |
| 1800 | 23 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 2 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 2 | 1 | 8 |
| 2100 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 5 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DAKHLA—JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 314 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 12 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 4 | 0 | 1 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 4 | 1 | 2 | 19 |
| 0300 | 17 | 0 | 0 | 1-10 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 4 | 2 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 4 | 2 | 0 | 14 |
| 0600 | 7 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 1 | 7 | 6 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 1 | 8 | 6 | 0 | 24 |
| 0900 | 0 | 0 | 0 | 1-10 | 5 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 0 | 13 | 3 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 0 | 16 | 5 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 2 | 2 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 2 | 7 | 4 | 22 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 3 | 8 | 10 | 31 |
| 1500 | 1 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 6 | 6 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 11 | 12 | 30 |
| 1800 | 6 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 3 | 10 | 3 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 3 | 11 | 3 | 25 |
| 2100 | 6 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 0 | 8 | 0 | 2 | 7 | 5 | 1 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 8 | 0 | 2 | 8 | 5 | 1 | 25 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## HURGHADA — JANUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 13 | 0 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 1 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 21 | 1 | 31 |
| 0300 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10 | 1 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 1 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 16 | 2 | 31 |
| 0600 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 1 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 3 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 14 | 4 | 31 |
| 0900 | 0 | 0 | 0 | 1–10 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 14 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 11 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 21 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 5 | 5 | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 18 |
| | | | | 11–27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 5 | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 8 | 31 |
| 1500 | 4 | 0 | 0 | 1–10 | 4 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 13 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 9 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 12 | 27 |
| 1800 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 4 | 5 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 4 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 6 | 11 | 4 | 30 |
| 2100 | 2 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 9 | 1 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 1 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 9 | 16 | 2 | 29 |

## TABLE B 1.— UPPER AIR CLIMATOLOGICAL DATA

### MERSA MATRUH (A) — 0000 U.T. — JANUARY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 22 | 1011mb | 1020mb | 1006mb | 22 | 10.8 | 15·7 | 6·0 | 22 | 5.9 |
| 1000 ... ... ... ... | 22 | 132 | 208 | 92 | 22 | 12.0 | 15·7 | 6·3 | 22 | 6·1 |
| 850 ... ... ... ... | 22 | 1486 | 1560 | 1412 | 22 | 4·3 | 8·6 | — 2·0 | 20 | — 0·9 |
| 700 ... ... ... ... | 22 | 3033 | 3132 | 2930 | 22 | — 3·6 | 1·9 | —13·9 | 5 | —11.1 |
| 600 ... ... ... ... | 21 | 4237 | 4366 | 4081 | 21 | —10·1 | — 3·2 | —21·6 | 2 | —18.6 |
| 500 ... ... ... ... | 18 | 5635 | 5776 | 5450 | 18 | —19·0 | —13·6 | —28·6 | — | — |
| 400 ... ... ... ... | 15 | 7279 | 7429 | 7181 | 15 | —30·7 | —26·0 | —34·6 | — | — |
| 300 ... ... ... ... | 7 | 9312 | 9457 | 9200 | 7 | —44·7 | —40·0 | —49·4 | — | — |
| 200 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 150 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 80 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

### MERSA MATRUH (A) — 1200 U.T. — JANUARY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... .. | 25 | 1011mb | 1020mb | 1006mb | 25 | 17·0 | 20·7 | 13·4 | 25 | 6·9 |
| 1000 ... ... ... ... | 25 | 137 | 211 | 93 | 24 | 15·4 | 17·4 | 12·5 | 24 | 6·4 |
| 850 ... ... ... ... | 25 | 1481 | 1551 | 1473 | 24 | 4·1 | 11.2 | — 0.8 | 21 | — 1·7 |
| 700 ... ... ... ... | 25 | 3040 | 3117 | 2944 | 24 | — 2·5 | 2·8 | —10·8 | 7 | —12·5 |
| 600 ... ... ... ... | 25 | 4215 | 4336 | 4113 | 23 | —10·2 | — 6·0 | —19·5 | 6 | —20.3 |
| 500 ... ... ... ... | 25 | 5632 | 5775 | 5442 | 25 | —18·9 | —16·2 | —29·3 | 6 | —22.0 |
| 400 ... ... ... ... | 24 | 7200 | 7393 | 7004 | 24 | —31·0 | —26·2 | —38·5 | 6 | —35.0 |
| 300 ... ... ... ... | 13 | 9265 | 9335 | 9143 | 13 | —45·9 | —42.6 | —51·2 | — | — |
| 200 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 150 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 80 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... .. | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 0000 U.T. — JANUARY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 27 | 1011mb | 1020mb. | 1007mb | 27 | 11·7 | 16·0 | 7·8 | 27 | 5·5 |
| 1000 ... ... ... ... | 27 | 164 | 234 | 130 | 27 | 11·3 | 15·7 | 6·9 | 27 | 5·1 |
| 850 ... ... ... ... | 27 | 1510 | 1570 | 1460 | 27 | 5·4 | 12·6 | — 2·8 | 27 | — 1·6 |
| 700 ... ... ... ... | 27 | 3075 | 3146 | 2986 | 27 | — 1·8 | 4·6 | —10·7 | 11 | —10·3 |
| 600 ... ... ... ... | 27 | 4285 | 4371 | 4170 | 27 | — 8.6 | — 3·3 | —16·8 | 6 | —18.4 |
| 500 ... ... ... ... | 27 | 5674 | 5781 | 5530 | 27 | —18·0 | —13·5 | —23·3 | 7 | —28.3 |
| 400 ... ... ... ... | 27 | 7303 | 7439 | 7118 | 27 | —29.4 | —26·2 | —37·2 | 5 | —38.6 |
| 300 ... ... ... ... | 22 | 9296 | 9433 | 9103 | 22 | —44·8 | —37·9 | —49·4 | — | — |
| 200 ... ... ... ... | 7 | 11938 | 12057 | 11860 | 7 | —54·7 | —48·0 | —61·5 | — | — |
| 150 ... ... ... ... | 3 | 13715 | 13774 | 13683 | 3 | —58.9 | —58.0 | —59.9 | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 1200 U.T. — JANUARY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 24 | 1011mb. | 1019mb. | 1007mb. | 24 | 18·7 | 22·0 | 13·2 | 24 | 7·4 |
| 1000 ... ... ... ... | 24 | 161 | 230 | 131 | 24 | 17·7 | 21·5 | 12·5 | 24 | 7·1 |
| 850 ... ... ... ... | 24 | 1521 | 1580 | 1480 | 24 | 6·4 | 13·0 | 3.0 | 24 | — 2·3 |
| 700 ... ... ... ... | 24 | 3091 | 3145 | 3009 | 24 | — 0·6 | 4·6 | —10·0 | 9 | — 9·8 |
| 600 ... ... ... ... | 24 | 4306 | 4382 | 4205 | 24 | — 7.9 | — 3·0 | —18·4 | 3 | —23·4 |
| 500 ... ... ... ... | 24 | 5696 | 5797 | 5534 | 24 | —18.0 | —14.5 | —29·5 | 4 | —27.9 |
| 400 ... ... ... ... | 24 | 7326 | 7450 | 7089 | 24 | —29·4 | —23·5 | —40·0 | 9 | —33.8 |
| 300 ... ... ... ... | 21 | 9321 | 9464 | 9026 | 21 | —44·8 | —31·0 | —47·8 | 2 | —43.6 |
| 200 ... ... ... ... | 10 | 11960 | 12100 | 11827 | 10 | —52·6 | —43·2 | —62·0 | — | — |
| 150 ... ... ... ... | 5 | 13790 | 13894 | 13685 | 5 | —55.6 | —45·3 | —65·6 | — | — |
| 100 ... ... ... ... | 2 | 16246 | 16258 | 16245 | 2 | —58.9 | —58·0 | —59.9 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

### ASWAN — 0000 U.T. — JANUARY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 24 | 1004mb | 1011mb | 1000mb | 24 | 12.5 | 18.6 | 7.6 | 24 | 3.9 |
| 1000 ... ... ... ... | 24 | 138 | 197 | 106 | 24 | 12.5 | 18.7 | 8.2 | 23 | 3.7 |
| 850 ... ... ... ... | 24 | 1496 | 1526 | 1475 | 24 | 8.3 | 14.5 | — 1.5 | 18 | — 4.2 |
| 700 ... ... ... ... | 23 | 3083 | 3124 | 3022 | 23 | 2.1 | 6.4 | — 7.8 | 6 | — 9.9 |
| 600 ... ... ... ... | 23 | 4310 | 4361 | 4205 | 23 | — 4.1 | 0.6 | — 9.1 | 3 | — 9.8 |
| 500 ... ... ... ... | 23 | 5721 | 5800 | 5649 | 23 | —13.8 | — 8.0 | —20.0 | 6 | —19.9 |
| 400 ... ... ... ... | 23 | 7377 | 7499 | 7217 | 23 | —25.8 | —21.5 | —31.5 | 9 | —31.7 |
| 300 ... ... ... ... | 23 | 9399 | 9556 | 9237 | 23 | —40.5 | —38.0 | —43.5 | 2 | —44.8 |
| 200 ... ... ... ... | 23 | 12072 | 12233 | 11897 | 23 | —53.8 | —48.9 | —57.5 | — | — |
| 150 ... ... ... ... | 23 | 13872 | 14055 | 13689 | 23 | —64.1 | —58.9 | —68.1 | — | — |
| 100 ... ... ... ... | 21 | 16297 | 16478 | 16126 | 21 | —73.6 | —66.3 | —75.5 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

### ASWAN — 1200 U.T. — JANUARY 1959

| Pressure surface (millibar) | Heights of pressurs surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 23 | 1003mb | 1011mb | 999mb | 23 | 24.2 | 30.1 | 18.4 | 23 | 6.0 |
| 1000 ... ... ... ... | 22 | 132 | 200 | 106 | 22 | 23.6 | 30.1 | 16.0 | 22 | 5.3 |
| 850 ... ... ... ... | 23 | 1513 | 1565 | 1491 | 23 | 11.4 | 16.7 | 1.3 | 14 | — 3.8 |
| 700 ... ... ... ... | 23 | 3116 | 3178 | 3050 | 23 | 4.9 | 9.0 | — 4.9 | 5 | —11.0 |
| 600 ... ... ... ... | 23 | 4358 | 4438 | 4242 | 23 | — 3.5 | 2.2 | —14.2 | 6 | —15.6 |
| 500 ... ... ... ... | 23 | 5783 | 5885 | 5598 | 23 | —10.4 | — 3.4 | —21.3 | 7 | —19.3 |
| 400 ... ... ... ... | 23 | 7457 | 7591 | 7232 | 23 | —22.7 | —18.2 | — 28.5 | 8 | —32.1 |
| 300 ... ... ... ... | 23 | 9507 | 9665 | 9269 | 23 | —38.1 | —30.6 | —43.2 | 4 | —46 2 |
| 200 ... ... ... ... | 23 | 12202 | 12410 | 11998 | 23 | —53.3 | —49.0 | —58.3 | — | — |
| 150 ... ... ... ... | 19 | 14017 | 14232 | 13841 | 19 | —62.3 | —57.2 | —66.6 | — | — |
| 100 ... ... ... ... | 18 | 16451 | 16639 | 16293 | 18 | —72.6 | —68.2 | —78.7 | — | — |
| 60 ... ... ... ... | 13 | 19442 | 19626 | 19207 | 13 | —69.1 | —63 2 | —74.4 | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

**Table B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR**

**0000 U.T. — JANUARY 1959**

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mersa Matruh (A) ... ... ... ... ... ... ... | 2445 (21) | 757 (21) | —5.4 (9) | 3410 | 670 | — | 1200 | 875 | — 3.6 | — | — | — | — | — | — | — | — | — | 8000 | — | 250 | 134 |
| Cairo (A) ... ... ... ... ... ... ... | 2663 (27) | 740 (27) | —6.1 (14) | 3920 | 636 | — | 890 | 914 | — 8.6 | 11028 (3) | 233 (3) | —56.9 (3) | 12813 | 175 | —62.3 | 9400 | 290 | —49.5 | 11900 | 202 | 300 | 129 |
| Aswan ... ... ... ... ... ... ... ... ... | 3371 (23) | 679 (23) | —11.1 (4) | 4480 | 591 | — | 1350 | 866 | — 8.0 | 14670 (4) | 170 (4) | —52.4 (4) | 16291 | 100 | —74.7 | 13400 | 164 | —61.4 | 12700 | 184 | 270 | 130 |

N = Total number of observations.

TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR

**1200 U.T. — JANUARY 1959**

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. ( ) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mersa Matruh (A) ... ... ... ... ... ... ... | 2612 (24) | 748 (24) | —6.0 (13) | 3650 | 653 | — | 1310 | 860 | —2.6 | — | — | — | — | — | — | — | — | — | 9700 | — | 240 | 114 |
| Cairo (A) ... ... ... ... ... ... ... | 2878 (24) | 722 (24) | —8.1 (11) | 4010 | 629 | — | 1480 | 852 | —14.6 | 11662 (6) | 212 (6) | —57.7 (6) | 12820 | 172 | —51.5 | 10200 | 257 | —50.3 | 10780 | — | 300 | 109 |
| Aswan ... ... ... ... ... ... ... ... ... | 3966 (23) | 617 (23) | —11.0 (8) | 4840 | 572 | — | 1750 | 825 | —5.0 | 15058 (17) | 104 (17) | —71.6 (17) | 17580 | 83 | —81.1 | 13750 | 154 | —64.7 | 15350 | — | 260 | 130 |

N = Total number of observations.

**TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES**

**MERSA MATRUH (A) — 0000 U.T. — JANUARY 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000—360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345—014 | | 015—044 | | 045—074 | | 075—104 | | 105—134 | | 135—164 | | 165—194 | | 195—224 | | 225—254 | | 255—284 | | 285—314 | | 315—344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 10 | 10 | 12 | 7 | 12 | 0 | — | 1 | 12 | 0 | — | 1 | 22 | 11 |
| 1000 ... | 0 | — | 1 | 10 | 0 | — | 0 | — | 0 | — | 1 | 7 | 0 | — | 7 | 16 | 2 | 18 | 7 | 15 | 4 | 11 | 0 | — | 0 | 22 | 14 |
| 850 ... | 0 | — | 0 | — | 1 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 19 | 7 | 16 | 5 | 21 | 2 | 18 | 0 | 22 | 18 |
| 700 ... | 0 | — | 9 | — | 1 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 11 | 26 | 5 | 21 | 3 | 33 | 2 | 19 | 0 | 22 | 24 |
| 600 ... | 1 | 33 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 30 | 8 | 26 | 3 | 31 | 2 | 29 | 0 | 21 | 29 |
| 500 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 37 | 8 | 29 | 4 | 35 | 3 | 26 | 0 | 18 | 31 |
| 400 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 39 | 5 | 38 | 2 | 38 | 0 | 14 | 39 |
| 300 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 54 | 2 | 46 | 2 | 58 | 2 | 51 | 0 | 7 | 52 |
| 200 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 150 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

## MERSA MATRUH (A)—1200 U.T.—JANUARY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | ~~315-344~~ 285-314 | | 285-314 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 0 | — | 0 | — | 0 | — | 1 | 13 | 1 | 13 | 1 | 9 | 0 | — | 3 | 14 | 3 | 16 | 7 | 16 | 6 | 14 | 3 | 16 | 0 | 25 | 15 |
| 1000 ... ... | 0 | — | 0 | — | 0 | — | 1 | 14 | 1 | 9 | 0 | — | 1 | 10 | 2 | 14 | 3 | 17 | 8 | 16 | 7 | 14 | 2 | 20 | 0 | 25 | 15 |
| 850 ... ... | 1 | 10 | 0 | — | 0 | — | 1 | 10 | 0 | — | 0 | — | 1 | 12 | 1 | 7 | 6 | 19 | 7 | 22 | 7 | 18 | 0 | — | 0 | 24 | 18 |
| 700 ... ... | 1 | 33 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 21 | 5 | 36 | 8 | 23 | 4 | 15 | 4 | 21 | 0 | 25 | 24 |
| 600 ... ... | 1 | 42 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 23 | 1 | 33 | 5 | 39 | 8 | 32 | 4 | 26 | 3 | 20 | 0 | 23 | 31 |
| 500 ... ... | 1 | 35 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 35 | 0 | — | 5 | 61 | 11 | 33 | 3 | 34 | 3 | 26 | 0 | 24 | 41 |
| 400 ... ... | 1 | 51 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 38 | 5 | 59 | 10 | 46 | 2 | 36 | 3 | 42 | 0 | 22 | 47 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 51 | 4 | 73 | 5 | 51 | 0 | — | 1 | 47 | 0 | 11 | 59 |
| 200 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 150 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

**TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES**

**CAIRO (A). — 0000 U.T. — JANUARY 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 0 | — | 0 | — | 0 | — | 2 | 3 | 4 | 7 | 3 | 4 | 9 | 7 | 1 | 18 | 5 | 9 | 1 | 12 | 0 | — | 0 | — | 2 | 27 | 7 |
| 1000... ... | 0 | — | 2 | 6 | 0 | — | 4 | 8 | 1 | 9 | 1 | 5 | 1 | 10 | 2 | 12 | 6 | 12 | 3 | 12 | 3 | 7 | 0 | — | 1 | 24 | 9 |
| 850... ... | 1 | 11 | 2 | 11 | 1 | 15 | 0 | — | 0 | — | 1 | 10 | 0 | — | 3 | 13 | 5 | 18 | 5 | 22 | 2 | 14 | 4 | 8 | 0 | 24 | 15 |
| 700... ... | 2 | 16 | 1 | 14 | 0 | — | 0 | — | 1 | 9 | 0 | — | 0 | — | 1 | 12 | 8 | 34 | 7 | 28 | 6 | 19 | 1 | 9 | 0 | 27 | 24 |
| 600... ... | 1 | 30 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 22 | 8 | 37 | 7 | 40 | 8 | 22 | 2 | 17 | 0 | 27 | 31 |
| 500... ... | 1 | 38 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 8 | 45 | 11 | 42 | 5 | 27 | 2 | 33 | 0 | 27 | 39 |
| 400... ... | 1 | 45 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 8 | 38 | 6 | 43 | 5 | 43 | 0 | — | 0 | 20 | 41 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 41 | 6 | 48 | 1 | 59 | 0 | 13 | 46 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 52 | 1 | 129 | 0 | — | 0 | 3 | 77 |
| 150... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### CAIRO (A) – 1200 U.T. — JANUARY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| surface ... | 0 | — | 1 | 6 | 2 | 11 | 1 | 5 | 0 | — | 0 | — | 0 | — | 3 | 8 | 3 | 13 | 7 | 11 | 4 | 10 | 3 | 6 | 0 | 24 | 10 |
| 1000 ... ... | 1 | 5 | 2 | 6 | 2 | 12 | 1 | 5 | 0 | — | 0 | — | 0 | — | 3 | 9 | 3 | 13 | 5 | 13 | 3 | 11 | 4 | 6 | 0 | 24 | 10 |
| 850 ... ... | 1 | 3 | 0 | — | 3 | 16 | 0 | — | 1 | 7 | 1 | 3 | 0 | — | 2 | 10 | 5 | 17 | 3 | 22 | 6 | 15 | 2 | 13 | 0 | 24 | 14 |
| 700 ... ... | 1 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 16 | 0 | — | 3 | 33 | 7 | 26 | 6 | 21 | 4 | 20 | 1 | 23 | 22 |
| 600 ... ... | 1 | 10 | 0 | — | 0 | — | 1 | 25 | 0 | — | 0 | — | 1 | 14 | 0 | — | 6 | 30 | 8 | 26 | 3 | 36 | 4 | 26 | 0 | 24 | 27 |
| 500 ... ... | 1 | 39 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 23 | 1 | 55 | 16 | 32 | 3 | 33 | 2 | 41 | 0 | 24 | 34 |
| 400 ... ... | 1 | 68 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 42 | 15 | 43 | 2 | 48 | 3 | 51 | 0 | 22 | 45 |
| 300 ... ... | 2 | 73 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 53 | 9 | 55 | 4 | 58 | 0 | — | 0 | 16 | 58 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 65 | 1 | 56 | 0 | — | 0 | 3 | 62 |
| 150 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

ASWAN — 0000 U.T. — JANUARY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 4 | 9 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 10 | 1 | 10 | 18 | 24 | 2 |
| 1000... ... | 5 | 9 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 13 | 1 | 13 | 17 | 24 | 3 |
| 850... ... | 5 | 9 | 1 | 4 | 3 | 4 | 2 | 6 | 0 | — | 1 | 4 | 2 | 5 | 3 | 7 | 0 | — | 1 | 19 | 2 | 13 | 3 | 17 | 0 | 23 | 9 |
| 700... ... | 2 | 30 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 8 | 2 | 21 | 5 | 22 | 8 | 21 | 3 | 10 | 0 | 23 | 19 |
| 600... ... | 1 | 50 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 12 | 10 | 34 | 8 | 26 | 1 | 29 | 1 | 23 | 26 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 41 | 14 | 39 | 4 | 34 | 2 | 44 | 0 | 23 | 36 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 52 | 13 | 47 | 5 | 53 | 1 | 77 | 0 | 21 | 52 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 54 | 11 | 54 | 6 | 62 | 1 | 71 | 0 | 20 | 58 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 121 | 8 | 91 | 5 | 85 | 0 | — | 0 | 14 | 91 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 82 | 1 | 68 | 0 | — | 0 | 6 | 80 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## ASWAN. — 1200 U.T. — JANUARY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 11 | 6 | 2 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 7 | 7 | 23 | 4 |
| 1000... ... | 11 | 6 | 2 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 11 | 1 | 9 | 2 | 8 | 5 | 22 | 5 |
| 850... ... | 1 | 5 | 4 | 8 | 2 | 6 | 2 | 6 | 0 | — | 0 | — | 1 | 4 | 0 | — | 1 | 9 | 1 | 11 | 3 | 15 | 8 | 12 | 0 | 23 | 10 |
| 700... ... | 2 | 23 | 1 | 3 | 0 | — | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 14 | 10 | 21 | 3 | 24 | 4 | 13 | 0 | 23 | 18 |
| 600... ... | 1 | 35 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 40 | 14 | 27 | 6 | 23 | 0 | — | 0 | 23 | 27 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 56 | 12 | 44 | 7 | 36 | 2 | 43 | 0 | 23 | 42 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 73 | 13 | 44 | 5 | 55 | 1 | 65 | 0 | 20 | 50 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 50 | 10 | 60 | 4 | 59 | 1 | 70 | 0 | 17 | 59 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 78 | 5 | 91 | 2 | 88 | 1 | 104 | 0 | 9 | 90 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 88 | 1 | 93 | 0 | — | 0 | 4 | 89 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

## JANUARY 1959

This month was generally rather warm and dry as compared with the normal values for January at Giza; the mean air temperature at 2 metres was slightly above normal (+0.6°C), the mean relative humidity was to a moderate extent below its normal (—7%) and the total amount of rainfall for the month was appreciably below its normal (—2.7 mms.).

The minimum air temperature at 5 cms. above grass (libia) fell below 0°C on five days during the month, the duration of air temperatures below 0°C on these days are given in the following table in hours to the nearest half together with the minimum air temperatures at that height; no damage to plants was reported in the fields of the Plant Breeding station atGiza.

AIR TEMPERATURES BELOW 0°C AT 5 Cms. ABOVE GRASS (LIBIA).

| Date | Minimum air temperature °C | Duration in hours (to the nearest half) of air temperature below the following limits | | | | |
|---|---|---|---|---|---|---|
| | | 0°C | —1°C | —2°C | —3°C | —4°C |
| 10 | -1.3 | 2.0 | 0.5 | 0 | 0 | 0 |
| 12 | -1.6 | 5.5 | 2.0 | 0 | 0 | 0 |
| 22 | -1.2 | 0.5 | 0.5 | 0 | 0 | 0 |
| 24 | -0.4 | 0.5 | 0 | 0 | 0 | 0 |
| 25 | -3.2 | 7.5 | 6.0 | 4 | 0.5 | 0 |

The extreme soil temperatures at 0.3 cms. depth in the dry field were lower than the corresponding values for January 1958 by 2°C for the maximum temperature and by 1°C for the minimum temperature; both maximum and minimum temperatures in the deeper layers were rather higher than the corresponding values for last January.

For the month as a whole, the mean wind speed for the day at 2 metres above ground showed no change from the mean value for January 1958. The total duration of bright sunshine was 16 hours more and the total (Solar + Sky) radiation was 100 gram calories/cm$^2$. more than the corresponding values of last January.

## TABLE C 1.—AIR TEMPERATURE AT 2 METRES ABOVE GROUND ; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5 cms. ABOVE GROUND ON DIFFERENT FIELDS

## GIZA—JANUARY 1959.

| Date | Air temperature (°C) | | | | | Duration in hours of air temperature above the following values | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Mean of the day | Night time mean | Day time mean | —5 °C | 0°C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40 °C | 45°C |
| 1 | 21.2 | 9.3 | 13.9 | 14 | 17 | 24 | 24 | 24 | 23 | 11 | 2 | 0 | 0 | 0 | 0 | 0 |
| 2 | 19.0 | 7.7 | 12.4 | 13 | 15 | 24 | 24 | 24 | 17 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 24.5 | 10.8 | 15.3 | 14 | 19 | 24 | 24 | 24 | 24 | 10 | 5 | 0 | 0 | 0 | 0 | 0 |
| 4 | 24.3 | 7.4 | 14.1 | 11 | 18 | 24 | 24 | 24 | 17 | 10 | 5 | 0 | 0 | 0 | 0 | 0 |
| 5 | 24.0 | 9.7 | 14.4 | 13 | 18 | 24 | 24 | 24 | 24 | 9 | 4 | 0 | 0 | 0 | 0 | 0 |
| 6 | 20.0 | 8.4 | 13.6 | 12 | 17 | 24 | 24 | 24 | 18 | 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 17.7 | 9.1 | 11.2 | 13 | 14 | 24 | 24 | 24 | 16 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 19.6 | 7.6 | 11.5 | 10 | 15 | 24 | 24 | 24 | 12 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 19.2 | 5.9 | 11.5 | 9 | 15 | 24 | 24 | 24 | 13 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 20.2 | 2.6 | 10.0 | 8 | 14 | 24 | 24 | 24 | 15 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 21.2 | 5.9 | 11.2 | 11 | 16 | 24 | 24 | 24 | 12 | 8 | 1 | 0 | 0 | 0 | 0 | 0 |
| 12 | 20.3 | 3.3 | 10.6 | 8 | 15 | 24 | 24 | 20 | 15 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 21.6 | 5.3 | 12.4 | 10 | 16 | 24 | 24 | 24 | 15 | 8 | 3 | 0 | 0 | 0 | 0 | 0 |
| 14 | 21.1 | 6.4 | 12.2 | 11 | 16 | 24 | 24 | 24 | 15 | 8 | 1 | 0 | 0 | 0 | 0 | 0 |
| 15 | 20.0 | 9·5 | 13.7 | 13 | 17 | 24 | 24 | 24 | 22 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 20.1 | 7.0 | 13.3 | 11 | 16 | 24 | 24 | 24 | 17 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 22.0 | 7.4 | 13.7 | 12 | 17 | 24 | 24 | 24 | 17 | 10 | 4 | 0 | 0 | 0 | 0 | 0 |
| 18 | 19.3 | 9.3 | 13.2 | 13 | 16 | 24 | 24 | 24 | 23 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 16.6 | 8.8 | 10.8 | 12 | 13 | 24 | 24 | 24 | 18 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 14.6 | 7.8 | 9.4 | 10 | 12 | 24 | 24 | 24 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 17.8 | 4·3 | 9.1 | 8 | 12 | 24 | 24 | 23 | 12 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 18.9 | 4.0 | 9.6 | 9 | 14 | 24 | 24 | 23 | 11 | 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 20.4 | 6.6 | 12.1 | 9 | 15 | 24 | 24 | 24 | 16 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 19.8 | 5.1 | 11·3 | 10 | 15 | 24 | 24 | 24 | 15 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 20.3 | 2.6 | 9.5 | 8 | 14 | 24 | 24 | 20 | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 20.7 | 7.1 | 12.7 | 10 | 16 | 24 | 24 | 24 | 16 | 9 | 1 | 0 | 0 | 0 | 0 | 0 |
| 27 | 21.7 | 6.8 | 12.8 | 11 | 16 | 24 | 24 | 24 | 18 | 9 | 3 | 0 | 0 | 0 | 0 | 0 |
| 28 | 20.3 | 8.0 | 12.1 | 12 | 15 | 24 | 24 | 24 | 16 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 16.6 | 4.9 | 9.0 | 9 | 12 | 24 | 24 | 24 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 16.3 | 4.2 | 9.2 | 8 | 12 | 24 | 24 | 22 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 17·1 | 4.5 | 9.4 | 9 | 13 | 24 | 24 | 22 | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total ... | — | — | — | — | — | 744 | 744 | 728 | 493 | 223 | 29 | 0 | 0 | 0 | 0 | 0 |
| Mean ... | 19.9 | 6.7 | 11.8 | 10.7 | 15.2 | 24 | 24 | 23.5 | 15.9 | 7·1 | 0.9 | 0 | 0 | 0 | 0 | 0 |

Highest maximum at 2 metres 24.5 °C on 3rd. Highest minimum at 2 metres 10.8 °C on 3rd.
Lowest " " " 14.6 °C on 20th. Lowest " " " 2.6 °C on 10th. and 25th.
Absolute minimum temperature at 5 cms. above dry soil —2.1 °C on 25th
" " " " wet " —0.5 °C " 25th
" " " " grass —3.2 °C " 25th

## TABLE C 2.—WIND SPEED, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRE ABOVE THE GROUND, (SOLAR + SKY) RADIATION, SUNSHINE DURATION, EVAPORATION AND RAINFALL

### GIZA—JANUARY 1959

| Date | Wind speed metres per second | | | Solar + sky radiation gm. cal./cm² | Duration of bright sunshine in hours | | | Relative humidity hours of duration | | Relative humidity % | | Vapour pressure in millimetres | | Evaporation in millimetres | | Amount of rainfall |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean of the day | Night time mean | Day time mean | | Total actual | Total possible | Percentage % | > 90% | > 80% | Mean of the day | at 1200 U.T. | Mean of the day | at 1200 U.T. | Piche | Pan class (A) | |
| 1 | 2.5 | 1.7 | 3.7 | 281 | 9.2 | 10.3 | 89 | 5 | 9 | 79 | 49 | 8.8 | 8.5 | 7 | 4.22 | |
| 2 | 1.3 | 1.8 | 0.7 | 145 | 0.1 | 10.3 | 1 | 7 | 10 | 80 | 53 | 8.2 | 8.5 | 3 | 1.90 | |
| 3 | 1.9 | 1.1 | 2.9 | 281 | 8.8 | 10.3 | 85 | 0 | 2 | 69 | 35 | 7.8 | 7.5 | 7 | 4.17 | |
| 4 | 0.5 | 0.1 | 1.0 | 266 | 8.9 | 10.3 | 86 | 1 | 7 | 66 | 37 | 7.6 | 7.5 | 5 | 1.81 | |
| 5 | 0.5 | 0.3 | 0.9 | 156 | 3.4 | 10.3 | 33 | 0 | 8 | 71 | 39 | 7.9 | 7.3 | 4 | 2.90 | |
| 6 | 1.9 | 0.6 | 3.6 | 308 | 9.2 | 10.3 | 89 | 3 | 8 | 68 | 37 | 7.1 | 6.0 | 9 | 4.02 | |
| 7 | 2.3 | 1.8 | 3.0 | 272 | 7.3 | 10.3 | 71 | 0 | 4 | 78 | 50 | 6.9 | 7.0 | 5 | 2.79 | |
| 8 | 1.5 | 1.1 | 2.2 | 238 | 3.9 | 10.3 | 38 | 0 | 4 | 75 | 43 | 6.8 | 6.5 | 5 | 3.37 | |
| 9 | 0.8 | 0.1 | 1.8 | 293 | 9.0 | 10.3 | 87 | 2 | 12 | 74 | 55 | 7.7 | 8.4 | 4 | 2.53 | |
| 10 | 0.7 | 0.1 | 1.4 | 268 | 7.3 | 10.4 | 70 | 6 | 11 | 85 | 49 | 7.5 | 7.7 | 4 | 1.99 | |
| 11 | 0.8 | 0.2 | 1.6 | 301 | 9.3 | 10.4 | 89 | 3 | 11 | 79 | 36 | 6.7 | 6.1 | 5 | 1.50 | |
| 12 | 0.8 | 0.1 | 1.7 | 258 | 6.9 | 10.4 | 66 | 7 | 13 | 85 | 57 | 8.3 | 8.9 | 4 | 4.04 | |
| 13 | 1.4 | 0.4 | 2.8 | 275 | 8.9 | 10.4 | 86 | 7 | 14 | 85 | 48 | 8.8 | 8.8 | 4 | 2.84 | |
| 14 | 0.7 | 0.4 | 1.1 | 291 | 8.5 | 10.4 | 82 | 10 | 10 | 88 | 53 | 8.8 | 9.2 | 5 | 3.13 | |
| 15 | 1.7 | 0.5 | 3.2 | 232 | 5.9 | 10.4 | 57 | 0 | 5 | 76 | 64 | 9.1 | 9.9 | 5 | 2.83 | |
| 16 | 0.9 | 0.4 | 1.5 | 205 | 4.3 | 10.4 | 41 | 4 | 11 | 75 | 52 | 8.7 | 8.5 | 3 | 2.13 | |
| 17 | 1.6 | 0.6 | 3.1 | 343 | 9.5 | 10.4 | 91 | 2 | 8 | 74 | 40 | 8.1 | 7.4 | 9 | 4.22 | |
| 18 | 3.3 | 2.3 | 4.8 | 317 | 8.8 | 10.5 | 84 | 0 | 0 | 54 | 26 | 5.2 | 4.1 | 15 | 7.36 | |
| 19 | 3.9 | 3.3 | 4.5 | 162 | 2.7 | 10.5 | 26 | 0 | 3 | 75 | 59 | 7.0 | 7.4 | 6 | 3.13 | |
| 20 | 3.0 | 2.2 | 4.2 | 247 | 5.3 | 10.5 | 50 | 1 | 11 | 80 | 63 | 6.7 | 7.0 | 4 | 2.52 | |
| 21 | 2.0 | 1.4 | 2.8 | 258 | 5.9 | 10.5 | 56 | 6 | 15 | 84 | 73 | 7.9 | 8.7 | 3 | 3.16 | 0.3 |
| 22 | 0.9 | 0.4 | 1.6 | 337 | 9.3 | 10.6 | 88 | 7 | 12 | 81 | 47 | 6.8 | 6.5 | 4 | 2.78 | |
| 23 | 1.3 | 0.6 | 2.2 | 274 | 6.0 | 10.6 | 57 | 0 | 7 | 75 | 54 | 7.9 | 7.9 | 4 | 2.72 | |
| 24 | 1.0 | 0.3 | 2.0 | 342 | 9.2 | 10.6 | 87 | 6 | 11 | 78 | 45 | 7.4 | 6.9 | 5 | 4.01 | |
| 25 | 0.8 | 0.2 | 1.6 | 337 | 9.4 | 10.6 | 89 | 6 | 10 | 78 | 43 | 6.6 | 6.3 | 5 | 2.75 | |
| 26 | 2.3 | 1.0 | 4.1 | 348 | 10.0 | 10.6 | 94 | 0 | 0 | 63 | 39 | 6.6 | 6.9 | 10 | 6.48 | |
| 27 | 3.8 | 2.8 | 5.2 | 356 | 10.2 | 10.7 | 95 | 0 | 0 | 56 | 34 | 5.8 | 6.2 | 13 | 5.64 | |
| 28 | 2.6 | 2.0 | 3.3 | 314 | 8.4 | 10.7 | 79 | 0 | 0 | 46 | 42 | 5.3 | 7.0 | 10 | 7.92 | |
| 29 | 3.5 | 2.3 | 5.2 | 371 | 10.0 | 10.7 | 93 | 0 | 0 | 58 | 38 | 4.7 | 4.9 | 11 | 6.02 | |
| 30 | 3.9 | 2.3 | 6.0 | 279 | 6.3 | 10.8 | 59 | 0 | 0 | 53 | 37 | 4.5 | 4.8 | 11 | 4.31 | |
| 31 | 3.7 | 3.1 | 4.4 | 349 | 9.2 | 10.8 | 85 | 0 | 0 | 61 | 41 | 5.2 | 5.8 | 9 | 5.28 | |
| TOTAL ... | — | — | — | 8664 | 231.1 | 324.6 | 2203 | 88 | 216 | — | — | — | — | 198 | 114.47 | |
| Mean ... | 1.9 | 1.2 | 2.8 | 279.4 | 7.4 | 10.5 | 71 | — | — | 72 | 47 | 7.2 | 7.2 | 6.4 | 3.69 | |

Maximum amount of rainfall in one day ..... 0.3mms. on 21th.
Lowest value of relative humidity ..... 25% on 18th.
Highest value of vapour pressure ..... 10.1 mms. on 13th.
Lowest value of vapour pressure ..... 4·1mms. on 18th, 29th and 30th.

## TABLE C 3.—EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

### GIZA—JANUARY 1959

| Depth in cms. | Dry soil | | Wet soil | | Grass | |
|---|---|---|---|---|---|---|
| | Highest °C | Lowest °C | Highest °C | Lowest °C | Highest °C | Lowest °C |
| 0.3 | 32.3 | 1.0 | 22.2 | 3.0 | 20.3 | 6.3 |
| 1 | 31.2 | 2.2 | 22.2 | 3.2 | — | — |
| 2 | 29.0 | 4.5 | 21.9 | 3.3 | — | — |
| 5 | 24.7 | 9.1 | 18.1 | 4.5 | 16.4 | 6.9 |
| 10 | 21.0 | 13.3 | 16.6 | 7.3 | 14.9 | 8.0 |
| 20 | 17.3 | 13.2 | 15.5 | 10.0 | 14.7 | 10.5 |
| 50 | 20.3 | 17.8 | 16.3 | 12.9 | 17.0 | 14.2 |
| 100 | 22.5 | 20.4 | 17.8 | 15.9 | 18.7 | 16.7 |
| 200 | 24.8 | 23.2 | 20.1 | 18.7 | — | — |
| 300 | 25.7 | 24.9 | — | — | — | — |

## TABLE C 4.—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES REACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

### GIZA—JANUARY 1959

| | | | |
|---|---|---|---|
| 10 Knots or more ... | 16 Days. | 30 Knots or more ... | 0 Days. |
| 15 " " ... | 10 " | 35 " " ... | 0 " |
| 20 " " ... | 1 " | 40 " " ... | 0 " |
| 25 " " ... | 0 " | The highest gust 26 knots on 30th. | |

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UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 2

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## FEBRUARY, 1959

MINISTRY OF WAR—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 2

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MINISTRY OF WAR—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

# CONTENTS


| | PAGE |
|---|---|
| **General Summary of Weather Conditions** ... ... ... ... ... ... ... ... | 73–76 |

**Surface Data**

| | |
|---|---|
| TABLE A 1.—Monthly Mean Values of Atmospheric Pressure, Air Temperature and Relative Humidity at Fixed Hours ... ... ... ... ... ... ... ... | 77,78 |
| „ A 2.—Maximum and Minimum Air Temperatures (°C)... ... ... ... ... ... | 79,80 |
| „ A 3.—Rainfall, Snow, Bright Sunshine, Cloudiness and Evaporation ... ... | 81,82 |
| „ A 4.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... | 83 |
| „ A 5.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... ... ... ... | 84-86 |
| „ A 6.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours... ... ... | 87–119 |

**Upper Air Data**

| | |
|---|---|
| TABLE B 1.—Upper Air Climatological Data ... ... ... ... ... ... .. ... ... | 120-122 |
| „ B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause the Highest Wind Speed in the Upper Air ... ... ... ... ... ... | 123,124 |
| „ B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. | 125–130 |

**Agro-Meteorological Data**

| | |
|---|---|
| Review of Agro-Meteorological Station at Giza ... ... ... ... ... | 131 |
| TABLE C 1.—Air Temperature at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5cms. above Ground on Different Fields ... ... ... | 132 |
| „ C 2.—Wind Speed, Relative Humidity and Vapour Pressure at 2 Metres above the Ground, (Solar + Sky) Radiation, Sunshine Duration, Evaporation and Rainfall ... ... ... ... ... ... ... ... ... ... | 133 |
| „ C 3.—Extreme Soil Temperatures at Different Depths in Different Fields ... | 134 |
| „ C 4.—Number of Days of Surface Wind Speed at 10 Metres Reaching Specified Limits of Velocity for at Least 5 Minutes ... ... ... ... ... ... | 134 |


*Note.*—Refer to volume 2 number 1 for the list of stations appearing in the report and for explanatory notes on the tables.

# GENERAL SUMMARY OF WEATHER CONDITIONS
## FEBRUARY 1959

**Rainy and remarkably cold. Snowstorms over the Northern Region.**

### THE MAIN FEATURES

— Subnormal low temperatures. Consecutive severe cold periods.

— Abnormally high rainfall amounts over the northern parts of the Southern Region and the SW part of the Northern Region. Snow showers over many parts of the Northern Region.

— Abnormally oscillatory high pressure field.

### GENERAL DESCRIPTION OF WEATHER

For the month as a whole weather was generally cold, rather severe round the 7th, 14th, 19th and 24th. Temperature was generally below normal. Minimum temperature was O°C or less on several days over most districts of the Northern Region and over the Western Desert district of the Southern Region.

The monthly district barometric pressure was above normal in the Southern Region and ranged between +2.5 mb. to + 5.0 mb. Over the Northern Region, the corresponding value was above normal (+2.7 mb.) over the Western Inland district and slightly below normal (-0.6mb.) over the North Eastern district.

The monthly district relative humidity was appreciably subnormal in the Northern Region and limited between —10% and —20%, while the corresponding value for the Southern Region was below normal over the Mediterranean (—2.6%), the Western Desert (—0.7%) & the Red Sea (—7.6%) districts and above normal over Lower Egypt (+1.4%), Cairo Area (+6.2%) & Upper Egypt (+6.0%) districts.

The monthly district maximum and minimum temperatures were below normal over districts of both Regions, though departures of maximum temperatures over the Northern Region were greater and limited between (—3°C and —5°C).

The monthly district rainfall was generally subnormal over the Northern Region districts, with the exception of the Western Inland district where it was slightly (+7.8mms.) above normal. Rainfall was particularly deficient over the Coastal district (—25.6mms), El Gezeira (-27.2mms)and the North Eastern districts (—52.5 mms.). Over the Southern Region, it was effectively above normal in general, with the exception of Upper Egypt and Western Desert districts where it was rather normal. Rainfall was pronounced in the Mediterranean (+33.3mms) and Lower Egypt (+12.8 mms.) districts.

The mean daily relative humidity for the month over the Northern Region was 56% at Jableh, 62% at Damascus, 60% at Aleppo, 72% at Homs, 52% at Deir Ezzor, 51% at Qamishlie. In the Southern Region it attained 64% at Mersa Matruh, 66% at Alexandria, 72% at Port Said, 65% at Tanta, 66% at Cairo, 61% at Almaza, 56% at Minya, 46% at Asyout, 54% at both Luxor & Siwa and 53% at Suez.

### PRESSURE DISTRIBUTION

During this month high pressure established over Europe and West Russia while it operated over the Mediterranean Sea and North Africa coastal area. Two different systems of low pressure showed marked persistance north the Black Sea and over Spain respectively most of the

month, and were reflected aloft up to more than the 500 mb. level. Thus the Upper Air charts during this month displayed more or less the same synoptic features viz. a planetory wave NE the Black Sea, a secondary wave over Spain and its northern regions and a rather stationary block in between.

Low pressure systems north the Black Sea deepened occasionally with southward and southwestward oscillations; while on the other hand, the Sudan low experienced consecutive northward elongations. Shallow depressions appeared occasionally over north Red Sea, Arabia and the Middle East Region.

The atmospheric pressure over East Mediterranean was above its normal in general though it fell appreciably and was about normal round the periods (4th-7th), (10th-14th), (17th-19th) & (22nd-23rd.). During the first three periods, the Sudan low oscillated northwards and local relatively deep depressions developed over the northern parts of the Red Sea and over Arabia. On the 21st, a deep secondary depression appeared over Greece and shooted rapidly eastwards. On the 23rd it was situated over Iraq and filled up rapidly. The fall in barometric pressure during this period was sharp and of short duration (one day), while the fall during the first period was considerable (more than 10 mbs.) and of moderate duration (4 days).

## SURFACE WIND

### NORTHERN REGION

The prevailing winds were light/moderate in general most of the month with the exception of short periods, during which winds were either fresh (during the 1st, 5th, 12th & 19th) or strong/moderate gales (during the 22nd-24th).

The prevailing winds were NWly over El Gezeira and Desert districts, N/NEly over the North Eastren district and the north part of the Western Inland district and were W/SWly elsewhere.

Gales were reported at, Jableh on the 22nd, 23rd & 25th; Bouka on the 23rd; Damascus on the 12th, 19th, 23rd, 24th, 25th & 28th; Aleppo on the 23rd; Hama on the 22nd; Kharabo on the 1st, 12th, 23rd, 24th & 25th; and at Meselmiyie on the 6th, 19th & 23rd.

### SOUTHERN REGION

The prevailing winds over the northern districts were light/moderate, NEly most of the 1st third of the month and NWly otherwise. Over the rest of the districts light/moderate NW winds predominated the whole month with the exception of frequent calms in Upper Egypt during the night and early morning periods. Fresh/strong winds were observed frequently over the Red Sea coasts and were infrequent elsewhere and round the days: 5th, 14th, 16th 23rd, 24th & 27th.

Gales were reported at, Mersa Matruh on the 24th; Port Said on the 14th, 24th & 27th; El Arish on the 24th; Abu Sueir on the 14th; Hurghada on the 24th & 27th; and at Quseir on the 5th & 24th.

## TEMPERATURE

Three major cold waves prevailed over both Regions of the Republic round the periods (4th-11th), (12th-22nd) & (23rd-28th). The third cold wave was the severest over the Southern Region generally and over the Nothern Region with the exception of the Western Inland district whose northern and southern parts suffered much from the 2nd and 3rd cold waves respectively.

During periods of severe cold, maximum temperatures oscillated to a moderate extent (4—6°C) below normal over the Mediterranean coastal districts of the Republic and considerably below normal (6—12°C) over inland districts.

The absolute maximum temperature for the Northern Region was 20°C on the 11th at El Himmeh (195 metres below sea level in the Western Inland district) while the corresponding value for the Southern Region was 28.3°C at Aswan on the 11th.

Minimum temperature oscillated simultaneously below normal with maximum temperature, though its departure was generally moderate (3-6°C) in the Southern Region and generally appreciable (5-10°C) in the Northern Region. Minimum temperature reached O°C or less over scattered parts of the Western Desert and Upper Egypt districts of the Southern Region and over most distircts of the Northern Region.

The absolute minimum temperature for the Northern Region was —13°C at Tell Alo (North Eastern district) on the 26th, while its corresponding value for the Southern Region was —2.7°C at Dakhla on the 1st.

## PRECIPITATION

### NORTHERN REGION

Widespread rain fell generally over the Region round the periods: 1st, 4th, (14th-16th), (18th-19th) & (23rd-24th); though scattered rain was reported round the periods: (16th-17th), 22nd & (25th-28th).

The monthly rainfall amount was round (1-20 mms.) over the Desert district, (10-30 mms.) over El Gezeira district & (30-45 mms.) over the North Eastern district.

Rainfall over the Western Inland district ranged from (30-80 mms.) over the northern parts, round 100 mms. over the central parts and from (100-70 mms.) over the southern parts. The Coastal district received from 80 to 90 mms. in general and 140 mms. over the mountainous parts.

The absolute maximum monthly fall for the Region was 238.5 mms. at Arida (Coastal district). The maximum fall in one day was 92.0 mms. at Kassab (Coastal district) on the 22nd.

### SOUTHERN REGION

Four rainy periods were distinguished during this month viz (6th-8th), (12th-16th), (18th-20th) & (23rd-27th). During the first period rain was confined to the northern coastal area but during the rest three periods it extended southwards up till Fayoum. The second period was the most rainy period and was characterized by daily rainfall amounts exceeding 10mms.

The monthly rainfall exceeded its normal in general over the Mediterranean, Lower Egypt and Canal zone districts but was slightly below normal elsewhere.

The absolute monthly rainfall amount was 168.0 mms. at El Amriya on the Mediterranean coast where the maximum amount in 24 hours (59.0 mms.) fell on the 14th.

## MISCELLANEOUS WEATHER PHENOMENA

### NORTHERN REGION

**Hail** fell over Bouka on the 22nd; Aleppo on the 27th; Hama on the 1st & 24th and over Fiq and Tell Shihab on the 24th.

**Snow** fell over Bouka on the 23rd; Damascus on the 1st, 14th, 15th, 19th, 24th, 25th, & 27th; Aleppo on the 14th, 15th & 24th; Hama on the 14th, 15th, 24th & 27th; Homs on the 14th, 23rd & 24th; Salamiyie on the 14th & 24th; Meselmiyie on the 14th, 23rd & 24th; Fiq on the 24th & 27th; Tell Shihab on the 24th, 25th & 27th; Palmyra on the 24th; Deir Ezzor on the 19th; Raqqa on the 19th & 25th; Qamishlie on the 18th, 24th, 25th & 26th; and over Tell Tamer on the 14th, 18th, 23rd & 24th.

**Thunderstorms** occurred on the 1st at Jableh, Homs & Fiq.

TABLE A 1 (*continued*).—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

FEBRUARY 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Southern Region** *(Contd.)* | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... | 06 | 1020.5 | — | 1020.9 | +3.3 | 1019.9 | +2.8 | 1020.6 | +3.0 | 9.4 | — | 10.6 | 0.0 | 15.7 | —2.5 | 10.6 | —1.8 | 82 | — | 81 | + 1 | 56 | + 4 | 79 | + 4 |
| | Mansoura ... ... ... | 08 | 1019.6 | — | 1020.4 | +3.2 | 1019.3 | +2.7 | 1020.2 | +2.7 | 8.3 | — | 9.6 | —1.2 | 16.4 | —2.2 | 11.6 | —1.1 | 71 | — | 74 | — 5 | 47 | — 2 | 68 | — 5 |
| | Tanta ... ... ... ... | 14 | 1019.8 | — | 1020.0 | +4.8 | 1018.8 | +5.0 | 1020.0 | +5.3 | 7.4 | — | 9.5 | —1.1 | 16.2 | —3.5 | 9.8 | —2.7 | 77 | — | 74 | — 8 | 47 | — 2 | 75 | — 1 |
| | Shebin el Kom ... | 12 | 1019.6 | — | 1020.6 | +4.1 | 1019.0 | +3.9 | 1019.9 | +4.2 | 8.9 | — | 10.0 | —0.4 | 16.4 | —3.6 | 10.9 | —2.1 | 86 | — | 84 | + 7 | 52 | +10 | 77 | + 9 |
| | Zagazig ... ... ... | 12 | 1020.0 | — | 1020.5 | +3.2 | 1019.0 | +3.6 | 1020.2 | +3.8 | 7.9 | — | 8.6 | —2 5 | 16.3 | —3.6 | 10.8 | —2.3 | 78 | — | 81 | 0 | 46 | — 5 | 76 | 0 |
| | Zaher ... ... (A) ... | 30 | 1016.7 | — | 1017.1 | — | 1015·5 | — | 1016.8 | — | 8.3 | — | 9.4 | — | 16.2 | — | 11.5 | — | 74 | — | 72 | — | 41 | — | 63 | — |
| | Wadi el Natrun ... | — 1 | 1021.9 | — | 1022.2 | +5.5 | 1020.6 | +5.8 | 1021.9 | +6.2 | 9.5 | — | 9.7 | —1.7 | 16.9 | —3.7 | 12.3 | —3.3 | 80 | — | 75 | + 5 | 38 | + 3 | 64 | +10 |
| | Abu Sueir ... (A) ... | 14 | 1018.9 | — | 1019·6 | — | 1018.0 | — | 1019.2 | — | 8.2 | — | 8.7 | — | 16.0 | — | 11.5 | — | 79 | — | 78 | — | 41 | — | 62 | — |
| Cairo Area | Cairo ... ... (A) ... | 95 | 1009.5 | +3.5 | 1010.2 | +3.7 | 1008·7 | +3.3 | 1009.8 | +3.7 | 8.9 | —3.2 | 9.6 | —2.6 | 16.0 | —3.9 | 11.6 | —3.8 | 77 | + 9 | 75 | + 7 | 44 | + 5 | 69 | +12 |
| | Almaza ... (A) ... | 79 | 1011.2 | +3.6 | 1012.0 | +3.7 | 1010.5 | +3.7 | 1011.5 | +3.9 | 8.9 | —3.1 | 9.5 | —2.4 | 16.4 | —3.3 | 12.1 | —3.3 | 72 | + 4 | 70 | + 4 | 39 | + 2 | 62 | + 8 |
| | Abbasiya (H.Q.) ... | 33 | 1017.0 | — | 1017.6 | — | 1016.1 | — | 1017.2 | — | 9.2 | — | 10.2 | — | 16.7 | — | 12.2 | — | 78 | — | 72 | — | 39 | — | 65 | — |
| | Mostafa Helmi (A) ... | 163 | 1001.5 | — | 1002.2 | — | 1000.7 | — | 1001.9 | — | 7.9 | — | 8.1 | — | 15.2 | — | 11.1 | — | 79 | — | 79 | — | 39 | — | 63 | — |
| | Giza ... ... ... ... | 21 | 1018.8 | — | 1019.6 | +5.0 | 1018.0 | +4.7 | 1019.0 | +4.9 | 7.8 | — | 8.9 | —1.7 | 16.1 | —4.1 | 11.3 | —2.3 | 85 | — | 77 | + 1 | 41 | + 2 | 65 | 0 |
| | Helwan ... ... ... | 112 | — | — | 1008.4 | +3.3 | 1006.5 | +3.3 | 1007.6 | +3.3 | — | — | 8.8 | —2.3 | 15.5 | —3.7 | 12.1 | —3.1 | — | — | 77 | +13 | 41 | + 8 | 59 | +12 |
| Upper Egypt | Fayoum ... ... ... | 30 | 1018.6 | — | 1019.6 | +4.3 | 1017.6 | +4.4 | 1018.3 | +4.2 | 7.5 | — | 9.6 | —1.3 | 17.3 | —3.3 | 12.4 | —1.8 | 79 | — | 78 | +12 | 40 | + 4 | 64 | + 5 |
| | Beni Suef ... ... ... | 28 | 1017.8 | — | 1019.0 | +4.5 | 1016.9 | +4.5 | 1017.7 | +4.5 | 6.8 | — | 8.0 | —4.2 | 17.9 | —4.3 | 11.8 | —2.7 | 82 | — | 81 | +23 | 41 | + 9 | 66 | +10 |
| | Minya ... ... (A) ... | 39 | 1015.7 | +3.0 | 1016.3 | +2.4 | 1015.0 | +3.0 | 1015.4 | +2.9 | 5.7 | —2.5 | 6.6 | —2.7 | 17.7 | —4.1 | 11.1 | —2.5 | 70 | + 6 | 71 | + 5 | 31 | + 1 | 54 | + 1 |
| | Asyout ... (A) ... | 71 | 1012.4 | +4.8 | 1013.7 | +3.6 | 1011.4 | +3.6 | 1012.2 | +4.6 | 8.0 | —4.0 | 7.4 | —3.9 | 17.4 | —5.6 | 12.2 | —4.8 | 52 | + 2 | 59 | + 3 | 31 | + 5 | 44 | + 5 |
| | Nag Hammadi ... ... | 69 | 1011.6 | — | 1013.8 | +2.8 | 1010.8 | +2.4 | 1011.9 | +2.7 | 8.2 | — | 9.4 | —2.2 | 19.2 | —2.6 | 12.5 | —1.5 | — | — | 67 | + 8 | 45 | +14 | 70 | +11 |
| | Qena ... ... ... ... | 73 | 1010.0 | — | 1012.4 | +2.6 | 1009.8 | +2.8 | 1010.6 | +2.9 | 7.9 | — | 10.2 | —1.8 | 19.3 | —4.5 | 12.9 | —2.8 | 68 | — | 56 | — 5 | 35 | + 3 | 51 | — 2 |
| | Luxor ... ... (A) ... | 95 | 1008.2 | +2.9 | 1009.6 | +2.6 | 1007.1 | +2.8 | 1007.9 | +2.8 | 8.7 | —1.9 | 9.6 | —2.9 | 19.7 | —3.6 | 13.5 | —3.1 | 63 | +12 | 60 | +10 | 40 | +11 | 51 | + 9 |
| | Aswan ... ... ... | 104 | 1005.9 | — | 1007.5 | +2.8 | 1004.7 | +2.8 | 1005.8 | +3.0 | 10.7 | — | 12.2 | —1.7 | 22.6 | —2.0 | 16.1 | —3.6 | 47 | — | 44 | — 1 | 22 | 0 | 30 | + 2 |
| Western Desert | Siwa ... ... ... ... | —15 | 1025.6 | +6.8 | 1026.4 | +6.2 | 1025.0 | +6.4 | 1025.2 | +6.5 | 7.8 | —2.5 | 6.4 | —2.7 | 17.5 | —2.6 | 13.0 | —2.6 | 64 | + 9 | 73 | + 9 | 34 | + 1 | 46 | + 3 |
| | Bahariya ... ... ... | 128 | 1006.6 | — | 1007.4 | +4.0 | 1006.0 | +3.2 | 1006.3 | +3.4 | 7.3 | — | 6.7 | —4.5 | 16.9 | —3.6 | 12.4 | —2.0 | 66 | — | 70 | + 7 | 35 | — 2 | 48 | — 4 |
| | Farafra ... ... ... | 90 | 1013.5 | — | 1014.5 | +4.8 | 1012.9 | +4.4 | 1013.1 | +4.3 | 7.7 | — | 6.7 | —2.7 | 17.1 | —4.6 | 12.1 | —3.1 | 46 | — | 60 | + 1 | 32 | + 1 | 36 | — 6 |
| | Dakhla ... ... ... | 110 | 1008.9 | — | 1009.8 | +5.3 | 1008.3 | +5.9 | 1008.5 | +5.5 | 5.9 | — | 6.9 | —3.3 | 18.4 | —4.2 | 12.5 | —4.9 | 46 | — | 52 | + 2 | 22 | — 5 | 34 | + 1 |
| | Kharga ... ... ... | 72 | 1012.1 | — | 1013.3 | +2.4 | 1011.6 | +2.5 | 1012.1 | +2.6 | 7.8 | — | 10.0 | —2.2 | 19.5 | —3.6 | 13.0 | —3.6 | 50 | — | 54 | — 1 | 29 | — 7 | 41 | — 2 |
| Red Sea | Suez ... ... ... ... | 05 | 1020.2 | — | 1020.7 | +2.9 | 1019.2 | +3.0 | 1020.3 | +4.0 | 10.3 | — | 10.5 | —2.6 | 16.7 | —2.9 | 13.2 | —2.5 | 64 | — | 68 | — 1 | 40 | — 5 | 52 | — 7 |
| | Tor ... ... ... ... | 03 | 1018.7 | — | 1019.4 | +2.5 | 1017.7 | +2.5 | 1018.5 | +3.1 | 11.1 | — | 12.3 | —2.0 | 17.2 | —3.3 | 15.1 | —2.2 | 58 | — | 51 | — 6 | 50 | — 4 | 46 | —10 |
| | Hurghada ... ... ... | 01 | 1018.7 | +4.4 | 1019.9 | +3.3 | 1017.6 | +2.8 | 1018.7 | +3.3 | 10.3 | —2.7 | 12.7 | —2.4 | 18.3 | —2.1 | 14.6 | —2.5 | 51 | — 7 | 47 | — 5 | 35 | —19 | 45 | —12 |
| | Quseir ... ... ... | 08 | 1017.4 | — | 1018.4 | +2.2 | 1016.4 | +1.4 | 1017.4 | +2.1 | 13.8 | — | 15.0 | —3.0 | 19.3 | —2.3 | 16.4 | —2.4 | 48 | — | 44 | — 5 | 46 | — 8 | 50 | — 8 |

## TABLE A 2.—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

## FEBRUARY 1959

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A + B) /2 | Maximum temperature: Highest | Date | Lowest | Date | Number of days with maximum temperature: >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Date | Lowest | Date | Number of days with minimum temperature: <10° | <5° | <0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh ... ... (A ... ... ... ... | 12.8 | —4.0 | 4.8 | —4.5 | 8.8 | 15.8 | 2 | 8.3 | 24 | 0 | 0 | 0 | 0 | 0 | 12.5 | 23 | 1.4 | 20 | 27 | 14 | 0 | 0 |
| | Bouka ... ... ... ... ... ... ... | 12.3 | — | 3.9 | — | 8.1 | 15.5 | 2·3 | 9.5 | 5 | 0 | 0 | 0 | 0 | 0 | 12.0 | 23 | —0.3 | 28 | 27 | 18 | 1 | 0 |
| | Tartous ... ... ... ... ... ... ... | 12.6 | — | 5.5 | — | 9.1 | 17.0 | 9·12 | 8.5 | 24 | 0 | 0 | 0 | 0 | 0 | 11.5 | 3 | 1.1 | 6 | 27 | 10 | 0 | 0 |
| Western Inland | Damascus ... ... (A ... ... ... ... | 8.7 | —5.7 | — 0.7 | —3.8 | 3.5 | 13.5 | 12 | 3.5 | 27 | 0 | 0 | 0 | 0 | 0 | 4.4 | 5 | —5.3 | 6 | 28 | 28 | 16 | 1 |
| | Aleppo ... ... (A) ... ... ... ... | 8.9 | —4.5 | — 2.6 | —5.8 | 3.2 | 14.0 | 4 | 2.4 | 15 | 0 | 0 | 0 | 0 | 0 | 4.0 | 23 | —7.7 | 21 | 28 | 28 | 20 | 9 |
| | Hama ... ... ... (A) ... ... ... ... | 10.0 | — | — 0.3 | — | 4.9 | 16.1 | 23 | 5.0 | 14 | 0 | 0 | 0 | 0 | 0 | 7.0 | 23 | —5.0 | 9 | 28 | 25 | 16 | 0 |
| | Homs ... ... ... ... ... ... ... ... | 9.1 | —4.4 | — 1.3 | —4.9 | 3.9 | 15.5 | 23 | 2.0 | 24 | 0 | 0 | 0 | 0 | 0 | 4.5 | 4 | —6.0 | 9 | 28 | 28 | 18 | 4 |
| | Kharabo ... ... ... ... ... ... ... | 10.0 | — | — 2.1 | — | 4.0 | 14.5 | 12 | 5.5 | 14·25 | 0 | 0 | 0 | 0 | 0 | 5.0 | 24 | —8.0 | 10 | 28 | 27 | 19 | 8 |
| | Salamiyie ... ... ... ... ... ... ... | 9.1 | — | — 1.7 | — | 3.7 | 13.0 | 4 | 4.0 | 14 | 0 | 0 | 0 | 0 | 0 | 3.5 | 1 | —6.5 | 9 | 28 | 28 | 21 | 5 |
| | Meselmiyie ... ... ... ... ... ... ... | 9.1 | — | — 4.1 | — | 2.6 | 14.5 | 4 | 5.0 | 24 | 0 | 0 | 0 | 0 | 0 | 3.0 | 24 | —10.5 | 9 | 28 | 28 | 22 | 13 |
| | Fiq ... ... ... ... ... ... ... ... | 11.2 | — | 3.1 | — | 7.2 | 16.3 | 11 | 6.0 | 27 | 0 | 0 | 0 | 0 | 0 | 8.3 | 5 | —1.2 | 9 | 28 | 20 | 2 | 0 |
| | Tell Shihab ... ... ... ... ... ... ... | 11.2 | — | 0.4 | — | 5.8 | 16.0 | 11 | 5.5 | 15 | 0 | 0 | 0 | 0 | 0 | 7.4 | 5 | —6·5 | 9 | 28 | 23 | 11 | 3 |
| Desert: | Palmyra ... ... (A) ... ... ... ... | 10.7 | —4·8 | — 0.8 | —3.9 | 5.0 | 17.0 | 23 | 7.4 | 20 | 0 | 0 | 0 | 0 | 0 | 6.2 | 24 | —6.2 | 11 | 28 | 27 | 17 | 2 |
| El Gezira | Deir Ezzor ... (A) ... ... ... ... | 11.2 | —4.0 | — 0.2 | —2.2 | 5.5 | 18.7 | 23 | 6.7 | 19 | 0 | 0 | 0 | 0 | 0 | 5.8 | 24 | —4.5 | 7 | 28 | 26 | 17 | 0 |
| | Raqqa ... ... ... ... ... ... ... | 9.9 | — | — 2.1 | — | 3.9 | 17.2 | 23 | 6.1 | 26·27 | 0 | 0 | 0 | 0 | 0 | 7.3 | 24 | —8.2 | 10 | 28 | 27 | 21 | 4 |
| North Eastern | Qamishlie ... ... (A ... ... ... ... | 8 1 | —3.5 | 0.4 | —3.5 | 4.3 | 12.8 | 3 | 1.1 | 26 | 0 | 0 | 0 | 0 | 0 | 4.7 | 1 | —3.3 | 20 | 28 | 28 | 10 | 0 |
| | Tell Tamer... ... ... ... ... ... ... | 8.4 | — | — 2.6 | — | 2.9 | 11.5 | 3 | 2.6 | 24 | 0 | 0 | 0 | 0 | 0 | 6.0 | 1 | —7.5 | 11 | 28 | 27 | 19 | 11 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum... ... ... ... ... ... ... ... | 16.1 | —3.9 | 8.9 | —0.3 | 12.5 | 19.6 | 22 | 12.4 | 15 | 0 | 0 | 0 | 0 | 0 | 12.5 | 10 | 4.3 | 14 | 20 | 1 | 0 | 0 |
| | Sidi Barrani ... ... ... ... ... ... | 15.4 | —4.3 | 8.7 | —0.3 | 12.0 | 18.0 | 10 | 13.0 | 24 | 0 | 0 | 0 | 0 | 0 | 11.5 | 26·27 | 4.9 | 3 | 21 | 1 | 0 | 0 |
| | Mersa Matruh ... (A) ... ... ... ... | 15.9 | —2.9 | 8.4 | 0.0 | 12.2 | 18.5 | 23 | 12.3 | 24 | 0 | 0 | 0 | 0 | 0 | 12.2 | 4 | 5.6 | 18 | 22 | 0 | 0 | 0 |
| | Dabaa ... ... ... ... ... ... ... | 15.9 | —3.7 | 8.2 | +0.4 | 12.0 | 18.2 | 4·9·22 | 12.2 | 24 | 0 | 0 | 0 | 0 | 0 | 11.4 | 4 | 5.0 | 18 | 19 | 0 | 0 | 0 |
| | Alexandria ... (A) ... ... ... ... | 16 5 | —2.5 | 9.5 | —0.1 | 13.0 | 19.4 | 23 | 12.2 | 15 | 0 | 0 | 0 | 0 | 0 | 11.8 | 26 | 5.8 | 10 | 15 | 0 | 0 | 0 |
| | Dekheila ... ... (A) ... ... ... ... | 15.8 | —2.8 | 9.4 | —0.4 | 12.6 | 18.3 | 9 | 11.6 | 15 | 0 | 0 | 0 | 0 | 0 | 13.3 | 4 | 5.7 | 16 | 18 | 0 | 0 | 0 |
| | Damietta ... ... ... ... ... ... ... | 15.0 | —4.0 | 7.8 | —1.0 | 11.4 | 18.5 | 22 | 10.3 | 27 | 0 | 0 | 0 | 0 | 0 | 10.1 | 3·6 | 4.8 | 16 | 24 | 2 | 0 | 0 |
| | Port Said ... ... (A) ... ... ... ... | 16.8 | —1.8 | 10.2 | —1.9 | 13.5 | 19.8 | 23 | 12.8 | 15·27 | 0 | 0 | 0 | 0 | 0 | 13.1 | 3 | 7.5 | 27 | 13 | 0 | 0 | 0 |
| | El Arish ... ... ... ... ... ... ... | 16.2 | —4.0 | 7.2 | —1.8 | 11.7 | 20.0 | 4 | 12.2 | 15 | 0 | 0 | 0 | 0 | 0 | 11.2 | 4 | 2.5 | 6 | 26 | 4 | 0 | 0 |
| | Ghazza ... ... ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE A 2 (*continued*).—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

### FEBRUARY 1959

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A + B)/2 | Maximum temperature: Highest | Date | Lowest | Date | Number of days with maximum temperature >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Date | Lowest | Date | Number of days with minimum temperature <10° | <5° | <0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... ... ... ... | 17.0 | —3.5 | 6.7 | —1.5 | 11.8 | 19.7 | 18 | 11.7 | 15 | 0 | 0 | 0 | 0 | 0 | 8.8 | 13 | 3.6 | 16 | 28 | 3 | 0 | 0 |
| | Mansoura ... ... ... ... ... ... | 17.7 | —3.0 | 6.6 | —1.0 | 12.2 | 20.5 | 4·22 | 10.7 | 15 | 0 | 0 | 0 | 0 | 0 | 9.1 | 13 | 4.2 | 28 | 28 | 4 | 0 | 0 |
| | Tanta ... ... ... ... ... ... | 17.7 | —3.3 | 5.5 | —0.9 | 11.6 | 21.1 | 22 | 13.0 | 15 | 0 | 0 | 0 | 0 | 0 | 8.7 | 13 | 1.7 | 28 | 28 | 9 | 0 | 0 |
| | Shebin el Kom ... ... ... ... | 17.1 | —4.2 | 7.6 | +0.1 | 12.4 | 19.7 | 22 | 13.3 | 24 | 0 | 0 | 0 | 0 | 0 | 9.7 | 15 | 5.2 | 10·28 | 28 | 0 | 0 | 0 |
| | Zagazig ... ... ... ... ... ... | 17.5 | —3.9 | 6.0 | —0.7 | 11.8 | 20.2 | 4 | 12.4 | 24 | 0 | 0 | 0 | 0 | 0 | 8.4 | 13 | 2.7 | 28 | 28 | 8 | 0 | 0 |
| | Zagazig ... ... ... (A) ... ... | 17.2 | — | 6.4 | — | 11.8 | 20.4 | 23 | 12.8 | 24 | 0 | 0 | 0 | 0 | 0 | 9.2 | 18 | 2.9 | 28 | 28 | 5 | 0 | 0 |
| | Wadi el Natrun ... ... ... ... | 17.8 | —4.0 | 7.1 | —0.7 | 12.4 | 20.4 | 4 | 13.6 | 15 | 0 | 0 | 0 | 0 | 0 | 9.3 | 21 | 4.6 | 10·28 | 28 | 2 | 0 | 0 |
| | Abu Suair ... ... (A) ... ... | 17.4 | — | 5.8 | — | 11.6 | 20.7 | 23 | 13.5 | 24 | 0 | 0 | 0 | 0 | 0 | 8.7 | 3 | 1·6 | 28 | 28 | 7 | 0 | 0 |
| Cairo Area | Cairo ... ... ... (A) ... ... | 17.0 | —3.9 | 6.8 | —2.6 | 11.9 | 19.9 | 23 | 13.2 | 24 | 0 | 0 | 0 | 0 | 0 | 9.4 | 23 | 3.2 | 28 | 28 | 3 | 0 | 0 |
| | Almaza ... ... (A) ... ... | 17.3 | —3.5 | 7.2 | —2.0 | 12.2 | 20.3 | 23 | 13·6 | 15 | 0 | 0 | 0 | 0 | 0 | 10.1 | 13 | 3.2 | 28 | 27 | 2 | 0 | 0 |
| | Abbassia (H.Q.) ... ... ... ... | 18.2 | — | 7.2 | — | 12.7 | 21.0 | 22 | 14.1 | 24 | 0 | 0 | 0 | 0 | 0 | 10.1 | 13 | 3.1 | 28 | 27 | 4 | 0 | 0 |
| | Mostafa Helmi ... (A) ... ... | 16.3 | — | 5.9 | — | 11.1 | 19.0 | 23 | 12.4 | 24 | 0 | 0 | 0 | 0 | 0 | 8.0 | 13 | 3.9 | 1·28 | 28 | 7 | 0 | 0 |
| | Giza ... ... ... ... ... ... | 17.5 | —3.6 | 5.1 | —1.0 | 11.3 | 20.3 | 23 | 12.8 | 24 | 0 | 0 | 0 | 0 | 0 | 7.6 | 13 | 0 9 | 28 | 28 | 10 | 0 | 0 |
| | Helwan ... ... ... ... ... ... | 16.2 | —4.0 | 7.3 | —1.6 | 11.8 | 19.2 | 23 | 11.8 | 24 | 0 | 0 | 0 | 0 | 0 | 9.9 | 13 | 3 5 | 28 | 28 | 1 | 0 | 0 |
| Upper Egypt | Fayoum ... ... ... ... ... ... | 17.7 | —4.3 | 5.5 | —1.7 | 11.0 | 21.3 | 23 | 14.0 | 15 | 0 | 0 | 0 | 0 | 0 | 8.1 | 26 | 3 3 | 28 | 28 | 11 | 0 | 0 |
| | Beni Suef ... ... ... ... ... | 18.5 | —4.1 | 4.0 | —2.0 | 11.2 | 21.2 | 23 | 14.7 | 25 | 0 | 0 | 0 | 0 | 0 | 6.6 | 26 | 1.0 | 7 | 28 | 21 | 0 | 0 |
| | Minya ... ... (A) ... ... | 18.4 | —4.1 | 2.6 | —2.8 | 10.5 | 21.6 | 23 | 15.0 | 25 | 0 | 0 | 0 | 0 | 0 | 6.8 | 5 | 0.0 | 7 | 28 | 24 | 0 | 0 |
| | Asyout ... ... (A) ... ... | 18.2 | —4.6 | 5.1 | —2.3 | 11.6 | 22.0 | 4 | 15.4 | 16 | 0 | 0 | 0 | 0 | 0 | 8.7 | 19 | 2.5 | 25 | 28 | 14 | 0 | 0 |
| | Nag Hammadi ... ... ... ... ... | 20.4 | —2.7 | 4.4 | —1.0 | 12.4 | 23.2 | 10 | 16.6 | 15 | 0 | 0 | 0 | 0 | 0 | 7.7 | 6 | 1.4 | 25 | 28 | 20 | 0 | 0 |
| | Qena ... ... ... ... ... ... | 21.0 | —4.2 | 4.7 | —2.9 | 12.8 | 23.3 | 9 | 17.4 | 15 | 0 | 0 | 0 | 0 | 0 | 10.0 | 6 | 2.2 | 1 | 27 | 16 | 0 | 0 |
| | Luxor ... ... ... (A) ... ... | 20.8 | —4.7 | 4.7 | —2.1 | 12.8 | 24.2 | 11 | 16.5 | 15 | 0 | 0 | 0 | 0 | 0 | 9.0 | 6 | 2.0 | 17 | 28 | 15 | 0 | 0 |
| | Aswan ... ... ... ... ... ... | 24.2 | —1.6 | 7.7 | —3.0 | 16.0 | 28.3 | 11 | 19.2 | 25 | 11 | 0 | 0 | 0 | 0 | 11.1 | 6 | 4.9 | 16 | 27 | 1 | 0 | 0 |
| Western Desert | Siwa ... ... ... ... ... ... | 18.5 | —3.8 | 4.4 | —2.5 | 11.4 | 21.1 | 27 | 16.1 | 14·15 | 0 | 0 | 0 | 0 | 0 | 9.9 | 5 | 1.2 | 3 | 28 | 18 | 0 | 0 |
| | Bahariya ... ... ... ... ... ... | 17.8 | —4.2 | 3.8 | —2.6 | 10.8 | 20.2 | 12 | 14.8 | 15 | 0 | 0 | 0 | 0 | 0 | 7.8 | 19 | 0.1 | 18 | 28 | 18 | 0 | 0 |
| | Farafra ... ... ... ... ... ... | 18.2 | —4.4 | 3.6 | —1.7 | 10.9 | 21.8 | 19 | 15.0 | 15·25 | 0 | 0 | 0 | 0 | 0 | 7.0 | 20·23 | 0.0 | 2·18 | 28 | 22 | 0 | 0 |
| | Dakhla ... ... ... ... ... ... | 19.5 | —4.4 | 1.8 | —4.6 | 10.6 | 22.4 | 11 | 15.5 | 25 | 0 | 0 | 0 | 0 | 0 | 7.7 | 5 | —2.7 | 1 | 28 | 25 | 6 | 0 |
| | Kharga ... ... ... ... ... ... | 20.5 | —3.8 | 4.6 | —2.9 | 12.6 | 24.6 | 11 | 16.6 | 25 | 0 | 0 | 0 | 0 | 0 | 8.0 | 22 | 0.4 | 11 | 28 | 15 | 0 | 0 |
| Red Sea | Suez ... ... ... ... ... ... | 17.9 | —3.4 | 6.9 | —2.8 | 12.4 | 22.0 | 23 | 14.2 | 24 | 0 | 0 | 0 | 0 | 0 | 10.8 | 1 | 3.5 | 28 | 26 | 4 | 0 | 0 |
| | Tor ... ... ... ... ... ... | 19.2 | —2.5 | 8.3 | —1.2 | 13.8 | 22.0 | 11 | 16.2 | 25 | 0 | 0 | 0 | 0 | 0 | 11.7 | 20·26 | 4.3 | 23 | 21 | 1 | 0 | 0 |
| | Hurghada ... ... ... ... ... ... | 19.2 | —1.6 | 8.0 | —2.1 | 13.6 | 21.7 | 11 | 15.7 | 25 | 0 | 0 | 0 | 0 | 0 | 10.4 | 8 | 5.4 | 11 | 25 | 0 | 0 | 0 |
| | Quseir ... ... ... ... ... ... | 20.4 | —2.6 | 11.5 | —2.8 | 16.0 | 24.1 | 7·24 | 16.7 | 25 | 0 | 0 | 0 | 0 | 6 | 14.4 | 3 | 7.9 | 25 | 4 | 0 | 0 | 0 |

## TABLE A 3.— RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

## FEBRUARY 1959

| Zones | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh ... (A) ... | 78.9 | —25.6 | 20.7 | 23 | 13 | 10 | 3 | 0 | 0 | 0.0 | — | 195.4 | 278.2 | 70 | 3.5 | 4.7 | 4.4 | 4.2 | 3.5 |
| | Banias ... | 39.5 | — | 10.3 | 23 | 10 | 7 | 1 | 0 | 0 | tr. | 23 | — | — | — | — | 5.0 | 4.4 | 4.6 | 1.7 |
| | Tartous ... | 95.5 | — | 24.5 | 1 | 11 | 11 | 4 | 0 | 0 | 0.0 | — | — | — | — | — | 3.0 | 3.4 | 4.6 | 1.9 |
| Western Inland | Damascus ... (A) ... | 63.6 | +22.5 | 20.1 | 18 | 10 | 8 | 2 | 0 | 0 | 2.0 | 19 | 213.9 | 290.2 | 75 | 2.8 | 3.9 | 4.3 | 3.0 | 2.3 |
| | Aleppo ... (A) ... | 46.3 | — 0.2 | 17.8 | 23 | 6 | 6 | 1 | 0 | 0 | 5.2 | 15 | 200.4 | 288.0 | 73 | 2.8 | 3.9 | 3.8 | 2.9 | 2.0 |
| | Hama ... (A) ... | 50.4 | —12.8 | 19.3 | 1 | 9 | 7 | 1 | 0 | 0 | 4.0 | 15 | 206.2 | 276.1 | 72 | 3.6 | 4.0 | 4.1 | 3.5 | 1.8 |
| | Homs ... | 107.0 | +21.8 | 22.5 | 1 | 10 | 9 | 6 | 0 | 0 | 12.0 | 14 | — | — | — | — | 4.9 | 5.1 | 4.9 | 1.5 |
| | Kharabo ... | 18.7 | — | 7.0 | 14 | 4 | 4 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 3.4 | 3.6 | 2.2 | — |
| | Salamiyie ... | 47.3 | — | 13.1 | 23 | 8 | 8 | 1 | 0 | 0 | 11.0 | 14 | — | — | — | — | 3.3 | 3.6 | 3.0 | 1.2 |
| | Mesalmiyie ... | 48.6 | — | 23.2 | 22 | 6 | 5 | 2 | 0 | 0 | 5.0 | 14 | — | — | — | — | 3.4 | 3.5 | 3.2 | 2.2 |
| | Raq ... | 128.0 | — | 32.2 | 18 | 14 | 14 | 6 | 1 | 0 | 9.0 | 24 | 187.2 | 286.0 | 66 | 3.5 | 5.0 | 5.4 | 4.0 | 2.1 |
| | Tell Shihab ... | 94.3 | — | 18.3 | 24 | 16 | 13 | 3 | 0 | 0 | 8.5 | 24 | — | — | — | — | 3.6 | 4.9 | 3.5 | 1.8 |
| Desert | Palmyra ... (A) ... | 7.7 | — 4.8 | 4.1 | 14 | 6 | 2 | 0 | 0 | 0 | tr. | 15, 24 | 220.2 | 286.1 | 77 | — | 3.6 | 3.2 | 2.5 | 3.0 |
| El Gezira | Deir Ezzor ... (A) ... | 9.9 | —27.2 | 3.7 | 15 | 8 | 4 | 0 | 0 | 0 | tr. | 19 | 196.3 | 261.2 | 75 | 2.3 | 3.2 | 3.4 | 2.0 | 3.3 |
| | Raqqa ... | 28.2 | — | 16.7 | 15 | 5 | 5 | 1 | 0 | 0 | tr. | 19, 25 | 196.7 | 268.1 | 71 | — | 2.7 | 3.6 | 3.9 | 2.6 |
| North Eastern | Qamishlia ... (A) ... | 41.4 | —52.5 | 13.7 | 24 | 7 | 6 | 2 | 0 | 0 | 12.0 | 26 | 196.4 | 257.1 | 71 | 3.1 | 4.3 | 4.5 | 3.0 | 2.3 |
| | Tell Tamer ... | 27.7 | — | 7.8 | 24 | 8 | 8 | 0 | 0 | 0 | 4.0 | 23 | — | — | — | — | 3.2 | 3.0 | 3.0 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum ... | 32.7 | +27.2 | 6.3 | 12 | 13 | 7 | 0 | 0 | 0 | 0 | — | — | — | — | 4.0 | 5.0 | 5.6 | 3.3 | 6.1 |
| | Sidi Barrani ... | 21.6 | +17.4 | 4.3 | 12 | 13 | 6 | 0 | 0 | 0 | 0 | — | — | — | — | — | 5.2 | 5.4 | 4.2 | 5.6 |
| | Mersa Matruh (A) ... | 37.2 | +25.6 | 9.1 | 12 | 12 | 9 | 0 | 0 | 0 | 0 | — | — | — | — | 4.4 | 5.8 | 6.0 | 4.8 | 7.3 |
| | Dabaa ... | 64.0 | +51.0 | 15.0 | 12 | 11 | 11 | 2 | 0 | 0 | 0 | — | — | — | — | — | 4.6 | 5.8 | 4.9 | 7.4 |
| | Alexandria ... (A) ... | 70.6 | +42.9 | 27.8 | 14 | 15 | 11 | 1 | 1 | 0 | 0 | — | 174.9 | 309.9 | 56.4 | 6.4 | 5.7 | 6.0 | 5.9 | 4.0 |
| | Bekheila ... (A) ... | 96.9 | +52.9 | 41.4 | 14 | 12 | 9 | 3 | 1 | 0 | 0 | — | — | — | — | 5.2 | 5.4 | 5.5 | 4.6 | 8.1 |
| | Damietta ... | 45.9 | +28.9 | 10.4 | 16 | 14 | 11 | 1 | 0 | 0 | 0 | — | — | — | — | — | 5.0 | 5.4 | 4.0 | 4.1 |
| | Port Said ... (A) ... | 14.0 | + 2.1 | 2.6 | 26 | 17 | 6 | 0 | 0 | 0 | 0 | — | 165.6 | 309.9 | 54.4 | 3.3 | 4.8 | 4.1 | 3.5 | 5.1 |
| | El Arish ... | 69.5 | +51.7 | 12.0 | 15 | 14 | 13 | 2 | 0 | 0 | 0 | — | — | — | — | 3.6 | 5.0 | 4.9 | 4.1 | 4.6 |
| | Ghazza ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE A 3 (*continued*).—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

FEBRUARY 1959

| Division | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... ... | 39.9 | +20.5 | 10.8 | 14 | 14 | 9 | 1 | 0 | 0 | 0 | — | — | — | — | — | 3.9 | 4.4 | 2.6 | 2.3 |
| | Mansoura ... ... ... | 14.0 | + 5.7 | 5.0 | 15 | 6 | 6 | 0 | 0 | 0 | 0 | — | — | — | — | — | 4.8 | 5.5 | 1.9 | 2.5 |
| | Tanta ... ... ... ... | 14.6 | + 7.0 | 3.4 | 14 | 9 | 6 | 0 | 0 | 0 | 0 | — | 188.5 | 309.9 | 60.8 | — | 4.2 | 4.6 | 2.1 | 3.3 |
| | Shebin el Kom ... ... | 19.1 | +12.6 | 4.6 | 13 | 7 | 6 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.9 | 2.7 | 2.2 | 1.6 |
| | Zagazig ... ... ... ... | 13.9 | + 8.1 | 3.4 | 15 | 7 | 5 | 0 | 0 | 0 | 0 | — | — | — | — | — | 4.9 | 5.5 | 1.7 | 2.4 |
| | Zaher ... ... (A) ... | 12.9 | — | 2.9 | 13 | 10 | 5 | 0 | 0 | 0 | 0 | — | — | — | — | — | 3.8 | 5.0 | 2.1 | 6.1 |
| | Wadi el Natrun ... ... | 26.4 | +22.7 | 9.5 | 14 | 7 | 6 | 0 | 0 | 0 | 0 | — | — | — | — | — | 4.8 | 4.4 | 3.0 | 5.0 |
| | Abu Sueir ... (A) ... | 9.1 | — | 4.0 | 16 | 7 | 3 | 0 | 0 | 0 | 0 | — | — | — | — | 4.9 | 4.4 | 5.2 | 3.1 | 6.7 |
| Cairo Area | Cairo ... ... (A) ... | 7.4 | + 3.8 | 3.0 | 14 | 8 | 3 | 0 | 0 | 0 | 0 | — | — | — | — | 2.6 | 4.2 | 5.1 | 3.4 | 5.9 |
| | Almaza ... ... (A) ... | 7.1 | + 2.5 | 3.3 | 14 | 5 | 3 | 0 | 0 | 0 | 0 | — | 199.8 | 311.0 | 64.2 | 2.4 | 3.9 | 4.9 | 2.6 | 4.5 |
| | Abbasiya (H.Q.) ... | 6.7 | — | 2.8 | 14 | 5 | 3 | 0 | 0 | 0 | 0 | — | 204.6 | 311.0 | 65.8 | 2.2 | 3.7 | 4.4 | 2.8 | 4.5 |
| | Mostafa Helmi (A) ... | 11.3 | — | 6.0 | 14 | 9 | 3 | 0 | 0 | 0 | 0 | — | — | — | — | 1.8 | 4.4 | 5.3 | 2.9 | 6.3 |
| | Giza ... ... ... ... | 10.4 | + 7.4 | 4.4 | 23 | 10 | 2 | 0 | 0 | 0 | 0 | — | 210.0 | 311.0 | 67.5 | — | 3.4 | 4.4 | 1.8 | 3.8 |
| | Helwan ... ... ... ... | 7.4 | + 4.4 | 2.0 | 14 | 8 | 4 | 0 | 0 | 0 | 0 | — | 221.0 | 311.2 | 71.0 | — | 4.3 | 4.8 | 3.1 | 5.6 |
| Upper Egypt | Fayoum ... ... ... ... | 3.0 | + 2.0 | 1.0 | 14·16·24 | 3 | 3 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.8 | 2.6 | 1.5 | 3.3 |
| | Beni Suef ... ... ... | tr. | — 2.7 | tr. | 13·15·24 | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 2.5 | 3.5 | 2.2 | 3.0 |
| | Minya ... ... (A) ... | 0.0 | — 1.7 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.4 | 1.1 | 2.8 | 1.4 | 4.2 |
| | Asyout ... ... (A) ... | 0.0 | — 0.6 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.2 | 0.4 | 1.7 | 0.6 | 7.7 |
| | Nag Hammadi ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.0 | 2.0 | 1.1 | 4.7 |
| | Qena ... ... ... ... | 0.0 | — 1.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 0.4 | 1.0 | 0.2 | 4.6 |
| | Luxor ... ... (A) ... | 0.0 | — 0.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.2 | 0.8 | 1.0 | 0.7 | 5.0 |
| | Aswan ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.5 | 0.9 | 0.7 | 0.6 | 6.8 |
| Western Desert | Siwa ... ... ... ... | tr. | — 2.3 | tr. | 19 | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 1.6 | 2.0 | 3.9 | 2.7 | 6.5 |
| | Bahariya ... ... ... | tr. | — 1.2 | tr. | 20 | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 1.0 | 1.4 | 2.7 | 1.6 | 4.2 |
| | Farafra ... ... ... ... | 0.0 | — 0.6 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.9 | 0.7 | 1.3 | 0.5 | 8.4 |
| | Dakhla ... ... ... ... | 0.0 | — 0.4 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.5 | 1.0 | 1.7 | 0.8 | 8.2 |
| | Kharga ... ... ... ... | 0.0 | — 0.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.0 | 1.6 | 0.6 | 6.0 |
| Red Sea | Suez... ... ... ... ... | 16.9 | +14.1 | 5.0 | 26 | 6 | 4 | 0 | 0 | 0 | 0 | — | — | — | — | — | 3.1 | 3.9 | 2.1 | 5.0 |
| | Tor ... ... ... ... ... | 0.3 | — 1.7 | 0.3 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 1.3 | 1.8 | 1.9 | 1.2 | 8.7 |
| | Hurghada ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.7 | 1.8 | 2.0 | 0.9 | 13.8 |
| | Quseir ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 1.1 | 1.6 | 1.8 | 1.0 | 15.3 |

## TABLE A 4.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

### FEBRUARY 1959

| Station | Number of days of occurrence of | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rain | Snow | Hail | Thunderstorm | Fog | Mist | Haze | Sandstorm Duststorm | Sandrising Dustrising | Gales | Cloudy sky | Clear sky |
| **NORTHERN REGION** | | | | | | | | | | | | |
| Jableh ... ... ... (A) ... ... | 13 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 6 |
| Bouka ... ... ... ... ... ... | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | — | — |
| Tartous ... ... ... ... ... ... | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Damascus ... ... (A) ... ... | 12 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 5 | 12 |
| Aleppo ... ... ... (A) ... ... | 9 | 3 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 6 | 12 |
| Hama ... ... ... (A) ... ... | 9 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 7 |
| Homs ... ... ... ... ... ... | 10 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Kharabo ... ... ... ... ... | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 5 | — | — |
| Salamiyie ... ... ... ... ... | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Meselmiyie ... ... ... ... ... | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | — | — |
| Fiq ... ... ... ... ... ... ... | 14 | 2 | 1 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 8 | 4 |
| Tell Shihab ... ... ... ... ... | 16 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Palmyra ... ... ... (A) ... ... | 6 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 6 | 8 |
| Deir Ezzor ... ... (A) ... ... | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 12 |
| Raqqa ... ... ... ... ... ... | 7 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 4 | 13 |
| Qamishlie ... ... (A) ... ... | 7 | 4 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 7 | 8 |
| Tell Tamer ... ... ... ... ... | 8 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | — | — |
| **SOUTHERN REGION** | | | | | | | | | | | | |
| Sallum ... ... ... ... ... ... | 13 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 3 |
| Sidi Barrani ... ... ... ... ... | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Mersa Matruh ... (A) ... ... | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 |
| Alexandria ... ... (A) ... ... | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 |
| Port Said ... ... (A) ... ... | 17 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 3 |
| El Arish ... ... ... ... ... | 14 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 9 | 5 |
| Abu Sueir ... ... (A) ... ... | 7 | 0 | 0 | 0 | 0 | 7 | 0 | 2 | 4 | 1 | 2 | 3 |
| Cairo ... ... ... (A) ... ... | 8 | 0 | 0 | 0 | 0 | 14 | 7 | 0 | 3 | 0 | 3 | 8 |
| Almaza ... ... ... (A) ... ... | 5 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 1 | 0 | 2 | 8 |
| Abbassiya (H.Q.) ... ... ... ... | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| Mostafa Helmi ... (A) ... ... | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 2 | 8 |
| Minya ... ... ... (A) ... | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 20 |
| Asyout ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| Luxor ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| Aswan ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| Siwa ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Hurghada ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 22 |
| Quseir ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 20 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## NORTHERN REGION—FEBRUARY 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All |
| COASTAL | Jableh (A) | 187 | 0 | 0 | 1–10 | 13 | 26 | 42 | 33 | 72 | 36 | 8 | 7 | 6 | 10 | 10 | 9 | 17 | 9 | 5 | 4 | [illegible] |
| | | | | | 11–27 | 11 | 10 | 7 | 1 | 12 | 2 | 2 | 1 | 6 | 15 | 24 | 8 | 19 | 10 | 12 | 10 | [illegible] |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 12 | 0 | 0 | 0 | 0 | 2 | [illegible] |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | All speeds | 24 | 36 | 49 | 34 | 84 | 38 | 10 | 8 | 12 | 39 | 46 | 17 | 36 | 19 | 17 | 16 | [illegible] |
| | Bouka... ... | 328 | 0 | 0 | 1–10 | 0 | 0 | 3 | 3 | 2 | 2 | 1 | 8 | 42 | 30 | 44 | 25 | 43 | 9 | 0 | 0 | [illegible] |
| | | | | | 11–27 | 0 | 0 | 1 | 4 | 1 | 27 | 0 | 0 | 5 | 11 | 23 | 1 | 10 | 33 | 0 | 0 | [illegible] |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | All speeds | 0 | 0 | 4 | 7 | 3 | 30 | 10 | 14 | 47 | 41 | 67 | 26 | 53 | 42 | 0 | 0 | [illegible] |
| WESTERN IRLAND | Damascus (A) | 170 | 0 | 0 | 1–10 | 18 | 7 | 11 | 25 | 24 | 23 | 12 | 14 | 20 | 13 | 14 | 11 | 40 | 18 | 20 | 14 | [illegible] |
| | | | | | 11–27 | 49 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 7 | 20 | 19 | 32 | 67 | [illegible] |
| | | | | | 28–47 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 10 | [illegible] |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | All speeds | 71 | 9 | 11 | 25 | 24 | 23 | 13 | 14 | 20 | 13 | 17 | 18 | 62 | 38 | 53 | 91 | [illegible] |
| | Aleppo (A) | 104 | 0 | 0 | 1–10 | 40 | 24 | 4 | 22 | 35 | 8 | 0 | 5 | 4 | 13 | 21 | 29 | 55 | 30 | 24 | 22 | [illegible] |
| | | | | | 11–27 | 66 | 12 | 3 | 3 | 8 | 2 | 0 | 4 | 9 | 9 | 20 | 23 | 24 | 20 | 7 | 14 | [illegible] |
| | | | | | 28–47 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | [illegible] |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | All speeds | 108 | 36 | 7 | 25 | 43 | 10 | 0 | 9 | 14 | [illegible] | 41 | 52 | 79 | 54 | [illegible] | 36 | [illegible] |
| | Hama (A) | 158 | 0 | 0 | 1–10 | 18 | 36 | 15 | 19 | 50 | 13 | 2 | [illegible] | 9 | 15 | 31 | 33 | 43 | 30 | 23 | 19 | [illegible] |
| | | | | | 11–27 | 13 | 21 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 21 | 26 | 21 | 15 | 8 | 2 | [illegible] |
| | | | | | 28–47 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 1 | 0 | 0 | |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | All speeds | 31 | 57 | 22 | 19 | 50 | 13 | 2 | 8 | 11 | 2 | 57 | 60 | 64 | 46 | 31 | 21 | [illegible] |
| | Kharabo ... | 298 | 0 | 33 | 1–10 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 41 | 26 | 10 | [illegible] |
| | | | | | 11–27 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 25 | 75 | 35 | 6 | 4 | [illegible] |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 20 | 0 | 0 | 0 | [illegible] |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | All speeds | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 30 | 153 | 76 | 32 | 14 | [illegible] |
| | Salamiyie ... | 337 | 0 | 0 | 1–10 | 34 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 11 | 2 | 47 | 53 | 22 | 13 | 19 | 8 | [illegible] |
| | | | | | 11–27 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 37 | 8 | 7 | 2 | 1 | 0 | [illegible] |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | All speeds | 62 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 11 | 3 | 86 | 61 | 29 | 15 | 22 | 8 | [illegible] |
| | Meselmiyie | 179 | 0 | 120 | 1–10 | 17 | 27 | 11 | 1 | 2 | 8 | 1 | 1 | 6 | 2 | 11 | 1 | 28 | 23 | 4 | 7 | [illegible] |
| | | | | | 11–27 | 45 | 10 | 41 | 2 | 9 | 1 | 1 | 0 | 2 | 1 | 11 | 7 | 27 | 9 | 5 | 18 | [illegible] |
| | | | | | 28–47 | 4 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | 0 | [illegible] |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | All speeds | 66 | 48 | 57 | 3 | 11 | 9 | 8 | 1 | 8 | 5 | 26 | 9 | 55 | 33 | 9 | 25 | [illegible] |
| | Fiq ... .. | 26 | 0 | 448 | 1–10 | 8 | 1 | 4 | 9 | 19 | 3 | 1 | 3 | 9 | 2 | 8 | 14 | 31 | 7 | 0 | 0 | [illegible] |
| | | | | | 11–27 | 3 | 0 | 0 | 7 | 14 | 2 | 2 | 1 | 0 | 2 | 12 | 4 | 15 | 5 | 0 | 4 | [illegible] |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | [illegible] |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | All speeds | 11 | 1 | 4 | 16 | 33 | 5 | 3 | 4 | 9 | 4 | 20 | 18 | 47 | 13 | 0 | 16 | [illegible] |
| DESERT | Palmyra (A) | 141 | 0 | 13 | 1–10 | 11 | 3 | 7 | 7 | 4 | 7 | 0 | 0 | 3 | 7 | 8 | 29 | 65 | 127 | 52 | 26 | [illegible] |
| | | | | | 11–27 | 9 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 11 | 17 | 37 | 62 | 16 | [illegible] |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | All speeds | 20 | 3 | 7 | 10 | 4 | 7 | 0 | 0 | 3 | 8 | 14 | 40 | 82 | 164 | 114 | 42 | [illegible] |
| EL GEZIRE | DeirEzzor (A) | 175 | 0 | 0 | 1–10 | 7 | 2 | 6 | 2 | 6 | 4 | 12 | 5 | 12 | 5 | 27 | 45 | 136 | 114 | 11 | 2 | [illegible] |
| | | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 1 | 13 | 4 | 6 | 5 | 5 | 23 | 9 | 31 | 3 | 0 | [illegible] |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | All speeds | 7 | 2 | 7 | 2 | 6 | 5 | 25 | 9 | 18 | 10 | 32 | 68 | 145 | 145 | 14 | 2 | [illegible] |
| | Raqqa... .. | 65 | 0 | 14 | 1–10 | 12 | 15 | 7 | 1 | 1 | 0 | 8 | 9 | 9 | 7 | 34 | 85 | 86 | 28 | 48 | 12 | [illegible] |
| | | | | | 11–27 | 0 | 3 | 9 | 0 | 0 | 0 | 0 | 7 | 13 | 12 | 25 | 36 | 42 | 34 | 50 | 0 | [illegible] |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | All speeds | 12 | 18 | 16 | 1 | 1 | 0 | 8 | 16 | 22 | 19 | 59 | 121 | 128 | 62 | 98 | 12 | [illegible] |
| North Eastern | Qamishlie (A) | 103 | 0 | 0 | 1–10 | 67 | 16 | 23 | 27 | 20 | 0 | 4 | 5 | 18 | 4 | 1 | 10 | 13 | 13 | 7 | 48 | [illegible] |
| | | | | | 11–27 | 133 | 18 | 38 | 43 | 11 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 32 | [illegible] |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | All speeds | 200 | 34 | 61 | 70 | 31 | 1 | 6 | 9 | 18 | 4 | 1 | 10 | 13 | 16 | 15 | 80 | [illegible] |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## SOUTHERN REGION—FEBRUARY 1959

| Division | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| MEDITERRANEAN | Sidi Barrani ... | 0 | 0 | 4 | 1-10 | 12 | 24 | 14 | 23 | 26 | 30 | 31 | 28 | 45 | 27 | 33 | 35 | 328 |
| | | | | | 11-27 | 44 | 49 | 18 | 30 | 13 | 9 | 3 | 12 | 30 | 49 | 28 | 28 | 332 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 8 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 56 | 73 | 32 | 53 | 39 | 39 | 34 | 40 | 84 | 76 | 62 | 80 | 668 |
| | Mersa Matruh (A) | 1 | 0 | 1 | 1-10 | 25 | 17 | 12 | 5 | 6 | 7 | 14 | 38 | 46 | 34 | 30 | 38 | 272 |
| | | | | | 11-27 | 51 | 13 | 1 | 4 | 3 | 2 | 4 | 17 | 44 | 32 | 48 | 170 | 389 |
| | | | | | 28-47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 9 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 77 | 30 | 13 | 9 | 9 | 9 | 18 | 55 | 90 | 67 | 78 | 215 | 670 |
| | Alexandria (A) | 2 | 1 | 0 | 1-10 | 51 | 50 | 42 | 26 | 13 | 10 | 23 | 28 | 8 | 30 | 37 | 54 | 372 |
| | | | | | 11-27 | 47 | 10 | 12 | 1 | 0 | 0 | 0 | 8 | 22 | 30 | 38 | 127 | 295 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 98 | 60 | 54 | 27 | 13 | 10 | 23 | 36 | 30 | 61 | 75 | 182 | 669 |
| | Dekheila (A) | 1 | 2 | 0 | 1-10 | 24 | 58 | 21 | 37 | 20 | 22 | 14 | 33 | 28 | 11 | 28 | 46 | 342 |
| | | | | | 11-27 | 67 | 49 | 13 | 8 | 3 | 0 | 0 | 0 | 2 | 34 | 34 | 103 | 316 |
| | | | | | 28-47 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 11 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 95 | 107 | 34 | 45 | 23 | 22 | 14 | 33 | 30 | 47 | 62 | 157 | 669 |
| | Port Said (A) | 0 | 6 | 0 | 1-10 | 12 | 32 | 25 | 8 | 4 | 1 | 7 | 24 | 31 | 48 | 37 | 40 | 269 |
| | | | | | 11-27 | 36 | 37 | 61 | 3 | 0 | 0 | 3 | 11 | 70 | 61 | 40 | 61 | 383 |
| | | | | | 28-47 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 5 | 14 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 50 | 70 | 86 | 11 | 4 | 1 | 10 | 35 | 101 | 109 | 83 | 106 | 666 |
| | El-Arish ... ... | 25 | 32 | 0 | 1-10 | 12 | 61 | 12 | 17 | 8 | 45 | 35 | 30 | 153 | 32 | 44 | 18 | 467 |
| | | | | | 11-27 | 0 | 17 | 0 | 0 | 1 | 0 | 0 | 0 | 26 | 50 | 32 | 20 | 146 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 12 | 78 | 12 | 17 | 9 | 45 | 35 | 30 | 179 | 82 | 78 | 38 | 615 |
| LOWER EGYPT | Zaher (A) | 5 | 14 | 3 | 1-10 | 34 | 19 | 15 | 7 | 9 | 16 | 17 | 68 | 140 | 59 | 54 | 34 | 472 |
| | | | | | 11-27 | 15 | 31 | 11 | 2 | 0 | 1 | 2 | 15 | 46 | 14 | 29 | 11 | 177 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 49 | 50 | 26 | 9 | 9 | 17 | 19 | 83 | 187 | 73 | 83 | 45 | 650 |
| CAIRO AREA | Cairo (A) | 35 | 19 | 6 | 1-10 | 43 | 37 | 35 | 40 | 4 | 14 | 28 | 62 | 81 | 63 | 54 | 42 | 503 |
| | | | | | 11-27 | 6 | 16 | 11 | 0 | 0 | 3 | 4 | 3 | 30 | 11 | 21 | 3 | 108 |
| | | | | | 28-47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 50 | 53 | 46 | 40 | 4 | 17 | 32 | 65 | 111 | 74 | 75 | 45 | 612 |
| | Almaza (A) | 3 | 5 | 0 | 1-10 | 44 | 70 | 20 | 12 | 30 | 13 | 19 | 51 | 52 | 69 | 64 | 53 | 497 |
| | | | | | 11-27 | 9 | 43 | 29 | 7 | 0 | 0 | 2 | 12 | 11 | 30 | 18 | 6 | 167 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 53 | 113 | 49 | 19 | 30 | 13 | 21 | 63 | 63 | 99 | 82 | 59 | 664 |
| | Abbassiya (H.Q.) | 87 | 20 | 3 | 1-10 | 70 | 42 | 12 | 1 | 4 | 18 | 17 | 38 | 85 | 60 | 62 | 65 | 474 |
| | | | | | 11-27 | 11 | 21 | 8 | 0 | 0 | 0 | 0 | 4 | 17 | 9 | 12 | 6 | 88 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 81 | 63 | 20 | 1 | 4 | 18 | 17 | 42 | 102 | 69 | 74 | 71 | 562 |
| | Mostafa Helmi (A) | 6 | 12 | 0 | 1-10 | 68 | 29 | 7 | 4 | 3 | 3 | 7 | 19 | 33 | 67 | 49 | 48 | 337 |
| | | | | | 11-27 | 52 | 44 | 20 | 6 | 0 | 0 | 0 | 5 | 25 | 56 | 49 | 53 | 310 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 7 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 120 | 73 | 27 | 10 | 3 | 3 | 7 | 24 | 58 | 124 | 98 | 107 | 654 |
| | Giza ... ... ... | 113 | 10 | 2 | 1-10 | 82 | 42 | 57 | 4 | 0 | 27 | 26 | 10 | 28 | 67 | 87 | 100 | 530 |
| | | | | | 11-27 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 17 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 82 | 44 | 62 | 4 | 0 | 27 | 26 | 10 | 28 | 67 | 89 | 108 | 547 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

### SOUTHERN REGION (*contd.*) — FEBRUARY 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| Upper Egypt | Minya (A) | 21 | 27 | 1 | 1-10 | 44 | 5 | 11 | 0 | 2 | 13 | 7 | 0 | 6 | 48 | 76 | 268 | 480 |
| | | | | | 11-27 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 27 | 85 | 143 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **64** | **5** | **11** | **0** | **2** | **13** | **7** | **0** | **6** | **59** | **103** | **353** | **623** |
| | Luxor (A) | 2 | 2 | 5 | 1-10 | 16 | 19 | 17 | 9 | 13 | 48 | 81 | 46 | 27 | 50 | 97 | 144 | 567 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 9 | 54 | 30 | 96 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **16** | **19** | **17** | **9** | **13** | **49** | **81** | **47** | **28** | **59** | **151** | **174** | **663** |
| Western Desert | Siwa ... ... ... | 88 | 1 | 0 | 1-10 | 24 | 18 | 37 | 27 | 23 | 18 | 7 | 5 | 15 | 46 | 112 | 54 | 386 |
| | | | | | 11-27 | 46 | 26 | 31 | 1 | 3 | 9 | 0 | 0 | 0 | 0 | 13 | 68 | 197 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **70** | **44** | **68** | **28** | **26** | **27** | **7** | **5** | **15** | **46** | **125** | **122** | **583** |
| | Dakhla ... ... | 20 | 12 | 5 | 1-10 | 49 | 34 | 9 | 1 | 10 | 1 | 8 | 13 | 59 | 92 | 122 | 94 | 492 |
| | | | | | 11-27 | 20 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 88 | 143 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **69** | **52** | **9** | **1** | **10** | **1** | **8** | **13** | **59** | **92** | **139** | **182** | **635** |
| Red Sea | Hurghada ... ... | 0 | 0 | 0 | 1-10 | 19 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 53 | 37 | 184 |
| | | | | | 11-27 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 209 | 172 | 471 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 13 | 17 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **31** | **10** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **143** | **266** | **222** | **672** |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### JABLEH (A) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 7 | 0 | 0 | 1-10 | 0 | 1 | 3 | 2 | 6 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 3 | 2 | 7 | 2 | 2 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 21 |
| 0300 | 7 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 5 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 11-27 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 1 | 1 | 6 | 6 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 21 |
| 0600 | 6 | 0 | 0 | 1-10 | 1 | 1 | 4 | 1 | 2 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 4 | 1 | 2 | 5 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 2 | 1 | 22 |
| 0900 | 11 | 0 | 0 | 1-10 | 0 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 11 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 2 | 1 | 0 | 2 | 0 | 1 | 3 | 17 |
| 1200 | 5 | 0 | 0 | 1-10 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 3 | 3 | 2 | 1 | 1 | 15 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 3 | 4 | 3 | 2 | 1 | 23 |
| 1500 | 5 | 0 | 0 | 1-10 | 4 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 0 | 1 | 14 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 3 | 2 | 4 | 0 | 1 | 2 | 23 |
| 1800 | 9 | 0 | 0 | 1-10 | 0 | 1 | 3 | 0 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 3 | 0 | 5 | 1 | 1 | 0 | 0 | 0 | 3 | 2 | 1 | 1 | 0 | 0 | 19 |
| 2100 | 9 | 0 | 0 | 1-10 | 0 | 2 | 1 | 2 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 1 | 2 | 6 | 2 | 0 | 0 | 0 | 1 | 2 | 0 | 2 | 1 | 0 | 0 | 19 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## BOUKA — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrence of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 17 | 0 | 0 | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 6 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 5 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 2 | 0 | 4 | 1 | 0 | 0 | 11 |
| 0300 | 14 | 0 | 0 | 1—10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 5 | 0 | 0 | 0 | 9 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 5 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 2 | 0 | 6 | 1 | 0 | 0 | 14 |
| 0600 | 14 | 0 | 0 | 1—10 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 4 | 1 | 0 | 0 | 9 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 5 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 0 | 5 | 2 | 0 | 0 | 14 |
| 0900 | 10 | 0 | 0 | 1—10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 11 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 7 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 3 | 3 | 3 | 2 | 2 | 0 | 0 | 18 |
| 1200 | 2 | 0 | 0 | 1—10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 7 | 2 | 1 | 0 | 0 | 0 | 19 |
| | | | | 11—27 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 6 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 3 | 5 | 8 | 4 | 2 | 0 | 0 | 0 | 26 |
| 1500 | 12 | 0 | 0 | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 13 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 2 | 2 | 3 | 1 | 1 | 0 | 0 | 16 |
| 1800 | 13 | 0 | 0 | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 3 | 1 | 1 | 0 | 0 | 11 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 4 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 1 | 3 | 3 | 1 | 2 | 0 | 0 | 15 |
| 2100 | 17 | 0 | 0 | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 6 |
| | | | | 11—27 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 5 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 1 | 2 | 0 | 1 | 2 | 0 | 0 | 11 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DAMASCUS (A) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 9 | 0 | 0 | 1-10 | 2 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 5 | 1 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 6 | 2 | 1 | 0 | 16 |
| 0300 | 12 | 0 | 0 | 1-10 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 16 |
| 0600 | 19 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 1 | 1 | 0 | 0 |
| 0900 | 6 | 0 | 0 | 1-10 | 1 | 0 | 1 | 2 | 8 | 1 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 2 | 8 | 1 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 3 | 2 | 0 | 22 |
| 1200 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 0 | 4 | 1 | 3 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 1 | 1 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 0 | 4 | 1 | 3 | 1 | 2 | 3 | 0 | 0 | 4 | 1 | 1 | 22 |
| 1500 | 6 | 0 | 0 | 1-10 | 0 | 1 | 2 | 3 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 13 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 3 | 3 | 2 | 22 |
| 1800 | 4 | 0 | 0 | 1-10 | 4 | 6 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 1 | 1 | 21 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 6 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | | 1 | 2 | 1 | 1 | 2 | 1 | 24 |
| 2100 | 8 | 0 | 0 | 1-10 | 2 | 3 | 3 | 2 | 0 | 1 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 3 | 2 | 0 | 1 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 3 | 1 | 20 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEPPO (A) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 6 | 0 | 0 | 1-10 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 3 | 2 | 1 | 15 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 4 | 2 | 2 | 22 |
| 0300 | 4 | 0 | 0 | 1-10 | 4 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 2 | 3 | 17 |
| | | | | 11-27 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 4 | 2 | 3 | 24 |
| 0600 | 11 | 0 | 0 | 1-10 | 2 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 2 | 0 | 0 | 12 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 2 | 1 | 1 | 17 |
| 0900 | 2 | 0 | 0 | 1-10 | 2 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 4 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 2 | 0 | 2 | 5 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 5 | 1 | 0 | 0 | 26 |
| 1200 | 1 | 0 | 0 | 1-10 | 2 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 10 |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 0 | 0 | 0 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 1 | 4 | 2 | 0 | 0 | 1 | 1 | 2 | 5 | 4 | 1 | 0 | 0 | 27 |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | 2 | 1 | 1 | 1 | 4 | 1 | 0 | 17 |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 | 2 | 2 | 2 | 4 | 5 | 1 | 0 | 28 |
| 1800 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 1 | 1 | 11 |
| | | | | 11-27 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 1 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 2 | 6 | 0 | 2 | 2 | 24 |
| 2100 | 6 | 0 | 0 | 1-10 | 4 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 12 |
| | | | | 11-27 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 2 | 3 | 1 | 0 | 22 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## HAMA (A) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 10 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 2 | 0 | 3 | 1 | 1 | 1 | 16 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 2 | 1 | 3 | 1 | 1 | 1 | 18 |
| 0300 | 11 | 0 | 0 | 1-10 | 1 | 1 | 0 | 2 | 4 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 1 | 0 | 1 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 2 | 4 | 1 | 0 | 1 | 0 | 0 | 2 | 2 | 1 | 0 | 1 | 1 | 17 |
| 0600 | 7 | 0 | 0 | 1-10 | 0 | 2 | 2 | 1 | 6 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 2 | 1 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 2 | 1 | 6 | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 2 | 2 | 1 | 0 | 21 |
| 0900 | 3 | 0 | 0 | 1-10 | 2 | 4 | 1 | 0 | 5 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 17 |
| | | | | 11-27 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 7 | 1 | 0 | 5 | 0 | 0 | 1 | 2 | 0 | 2 | 2 | 2 | 0 | 1 | 0 | 25 |
| 1200 | 2 | 0 | 0 | 1-10 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 3 | 1 | 0 | 15 |
| | | | | 11-27 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 1 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 6 | 2 | 0 | 26 |
| 1500 | 3 | 0 | 0 | 1-10 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 1 | 2 | 14 |
| | | | | 11-27 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 0 | 1 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 8 | 2 | 2 | 2 | 25 |
| 1800 | 5 | 0 | 0 | 1-10 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 4 | 4 | 2 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 1 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 6 | 6 | 2 | 1 | 0 | 23 |
| 2100 | 12 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 0 | 1 | 1 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 7 | 0 | 1 | 2 | 0 | 0 | 16 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## KHARABO — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 9 | 0 | 2 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 2 | 1 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 4 | 2 | 1 | 17 |
| 0300 | 16 | 0 | 2 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 5 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 5 | 1 | 0 | 10 |
| 0600 | 21 | 0 | 2 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 5 |
| 0900 | 8 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 3 | 11 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 7 | 0 | 3 | 20 |
| 1200 | 6 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 6 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 3 | 0 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 5 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 5 | 0 | 0 | 22 |
| 1500 | 12 | 0 | 1 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 3 | 0 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 4 | 0 | 0 | 15 |
| 1800 | 11 | 0 | 2 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 6 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 1 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 3 | 1 | 0 | 15 |
| 2100 | 9 | 0 | 2 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 2 | 0 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 | 2 | 0 | 17 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**SALAMIYIE — FEBRUARY 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 18 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 1 | 8 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 0 | 0 | 0 | 1 | 10 |
| 0300 | 19 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 0 | 0 | 1 | 2 | 9 |
| 0600 | 19 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | 6 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 1 | 0 | 1 | 1 | 9 |
| 0900 | 4 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 1 | 0 | 5 | 1 | 16 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 7 | 2 | 0 | 5 | 1 | 24 |
| 1200 | 5 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 3 | 2 | 2 | 1 | 2 | 0 | 14 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 7 | 2 | 4 | 1 | 2 | 0 | 23 |
| 1500 | 11 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 2 | 0 | 0 | 1 | 11 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 6 | 3 | 1 | 0 | 1 | 17 |
| 1800 | 21 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 1 | 0 | 7 |
| 2100 | 17 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 1 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 2 | 1 | 0 | 0 | 11 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MESELMIYIE — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind Speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 12 | 0 | 5 | 1—10 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 5 |
| | | | | 11—27 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 6 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 1 | 11 |
| 0200 | 15 | 0 | 5 | 1—10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| | | | | 11—27 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 8 |
| 0600 | 14 | 0 | 5 | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11—27 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 8 |
| | | | | 28—47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 9 |
| 0900 | 4 | 0 | 5 | 1—10 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 5 |
| | | | | 11—27 | 2 | 0 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 1 | 0 | 13 |
| | | | | 28—47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 1 | 1 | 0 | 19 |
| 1200 | 0 | 0 | 5 | 1—10 | 1 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 |
| | | | | 11—27 | 2 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 2 | 0 | 0 | 2 | 14 |
| | | | | 28—47 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | All sppeds | 3 | 4 | 3 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 2 | 2 | 3 | 0 | 0 | 2 | 23 |
| 1500 | 6 | 0 | 5 | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 5 |
| | | | | 11—27 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 11 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 5 | 1 | 0 | 2 | 17 |
| 1800 | 7 | 0 | 5 | 1—10 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| | | | | 11—27 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 12 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 2 | 0 | 1 | 16 |
| 2100 | 11 | 0 | 5 | 1—10 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 6 |
| | | | | 11—27 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 12 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**FIQ — FEBRUARY 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 6 | 0 | 0 | 1-10 | 4 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 7 | 4 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 2 | 1 | 0 | 0 | 22 |
| 0300 | 2 | 0 | 0 | 1-10 | 2 | 0 | 1 | 1 | 5 | 1 | 1 | 0 | 0 | 0 | 2 | 3 | 1 | 1 | 0 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 1 | 2 | 8 | 1 | 1 | 0 | 0 | 0 | 4 | 3 | 1 | 2 | 0 | 1 | 26 |
| 0600 | 4 | 0 | 0 | 1-10 | 0 | 0 | 1 | 2 | 6 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 1 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 3 | 10 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 3 | 2 | 0 | 1 | 24 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 3 | 2 | 0 | 0 | 7 | 0 | 0 | 1 | 18 |
| | | | | 11-27 | 1 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 1 | 3 | 3 | 0 | 1 | 3 | 3 | 1 | 1 | 9 | 0 | 0 | 1 | 28 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 9 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 4 | 1 | 2 | 1 | 0 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 2 | 1 | 4 | 3 | 12 | 1 | 0 | 0 | 28 |
| 1500 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 9 | 0 | 0 | 1 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 6 | 2 | 0 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 3 | 1 | 15 | 2 | 0 | 1 | 27 |
| 1800 | 6 | 0 | 0 | 1-10 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 2 | 0 | 2 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 2 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 2 | 3 | 3 | 0 | 4 | 22 |
| 2100 | 7 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 2 | 0 | 1 | 12 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 1 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 2 | 4 | 2 | 2 | 0 | 2 | 21 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## PALMYRA (A) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All |
| 0000 | 8 | 0 | 1 | 1-10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 8 | 3 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 8 | 5 | 0 | |
| 0300 | 9 | 0 | 1 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 8 | 2 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 8 | 4 | 0 | |
| 0600 | 9 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 7 | 1 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 8 | 2 | 0 | |
| 0900 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 4 | 7 | 2 | 2 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 4 | 10 | 2 | 5 | |
| 1200 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 1 | 3 | 2 | |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 2 | 2 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 2 | 5 | 3 | 5 | 4 | |
| 1500 | 3 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 3 | 2 | 2 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 6 | 3 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 5 | 8 | 5 | |
| 1800 | 4 | 0 | 0 | 1-10 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 9 | 3 | |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 9 | 3 | |
| 2100 | 8 | 0 | 1 | 1-10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 2 | 0 | |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 7 | 3 | 1 | |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DEIR EZZOR (A) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 13 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 3 | 1 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 3 | 2 | 3 | 4 | 1 | 0 | 15 |
| 0300 | 11 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 6 | 5 | 0 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 2 | 6 | 5 | 0 | 0 | 17 |
| 0600 | 8 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 4 | 7 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 3 | 4 | 8 | 0 | 0 | 20 |
| 0900 | 4 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 3 | 1 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 6 | 10 | 1 | 0 | 24 |
| 1200 | 3 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 6 | 1 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 5 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 5 | 11 | 1 | 0 | 25 |
| 1500 | 5 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 7 | 7 | 0 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 2 | 7 | 8 | 0 | 0 | 23 |
| 1800 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 3 | 8 | 2 | 0 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 3 | 8 | 3 | 0 | 0 | 19 |
| 2100 | 10 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 4 | 6 | 2 | 0 | 1 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 4 | 6 | 3 | 0 | 1 | 18 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## RAQQA — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | W N W | All directions |
| 0000 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 6 | 1 | 2 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 10 | 1 | 4 | 0 | 24 |
| 0300 | 5 | 0 | 0 | 1-10 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 7 | 0 | 1 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 5 | 9 | 0 | 2 | 0 | 23 |
| 0600 | 2 | 0 | 0 | 1-10 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 8 | 0 | 1 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 5 | 8 | 3 | 3 | 0 | 26 |
| 0900 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 4 | 3 | 0 | 1 | 14 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 2 | 1 | 3 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 5 | 6 | 4 | 3 | 1 | 26 |
| 1200 | 1 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 7 | 2 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 3 | 4 | 1 | 2 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 3 | 5 | 8 | 4 | 0 | 27 |
| 1500 | 0 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 4 | 2 | 2 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 5 | 3 | 7 | 3 | 3 | 0 | 28 |
| 1800 | 5 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 5 | 2 | 0 | 3 | 1 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 5 | 4 | 0 | 6 | 1 | 23 |
| 2100 | 3 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 3 | 0 | 1 | 13 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 5 | 1 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 4 | 4 | 8 | 1 | 1 | 25 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**QAMISHLIE (A) — FEBRUARY 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 5 | 0 | 0 | 1–10 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 8 |
| | | | | 11–27 | 7 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 23 |
| 0300 | 3 | 0 | 0 | 1–10 | 3 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 13 |
| | | | | 11–27 | 8 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 25 |
| 0600 | 4 | 0 | 0 | 1–10 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 |
| | | | | 11–27 | 7 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 2 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 24 |
| 0900 | 5 | 0 | 0 | 1–10 | 1 | 1 | 0 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| | | | | 11–27 | 8 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 2 | 2 | 4 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 23 |
| 1200 | 5 | 0 | 0 | 1–10 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 1 | 3 | 14 |
| | | | | 11–27 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 3 | 1 | 2 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 1 | 1 | 4 | 23 |
| 1500 | 7 | 0 | 0 | 1–10 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 13 |
| | | | | 11–27 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 4 | 1 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 1 | 1 | 1 | 3 | 21 |
| 1800 | 4 | 0 | 0 | 1–10 | 6 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 14 |
| | | | | 11–27 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 0 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 8 | 24 |
| 2100 | 2 | 0 | 0 | 1–10 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 12 |
| | | | | 11–27 | 7 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 6 | 26 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**SALLUM — FEBRUARY 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 0 | 1-10 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 2 | 17 |
| | | | | 11-27 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 3 | 23 |
| 0300 | 9 | 0 | 0 | 1-10 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 2 | 17 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 2 | 19 |
| 0600 | 6 | 0 | 0 | 1-10 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 5 | 0 | 15 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 5 | 1 | 22 |
| 0900 | 9 | 0 | 0 | 1-10 | 1 | 3 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 1 | 2 | 2 | 14 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 1 | 0 | 1 | 0 | 4 | 0 | 0 | 2 | 5 | 2 | 19 |
| 1200 | 2 | 0 | 0 | 1-10 | 4 | 4 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 5 | 1 | 3 | 23 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 6 | 2 | 3 | 26 |
| 1500 | 3 | 0 | 0 | 1-10 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 21 |
| | | | | 11-27 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 6 | 25 |
| 1800 | 9 | 0 | 0 | 1-10 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 15 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 5 | 19 |
| 2100 | 10 | 0 | 0 | 1-10 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 5 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 6 | 18 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**MERSA-MATRUH (A) — FEBRUARY 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1-10 | 2 | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 2 | 0 | 1 | 14 |
| | | | | 11-27 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 3 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 1 | 0 | 0 | 2 | 0 | 4 | 6 | 2 | 2 | 5 | 28 |
| 0300 | 0 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 1 | 2 | 1 | 1 | 10 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 4 | 1 | 2 | 5 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 1 | 0 | 1 | 0 | 3 | 2 | 5 | 3 | 3 | 6 | 28 |
| 0600 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 0 | 0 | 2 | 11 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 4 | 1 | 0 | 5 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 1 | 3 | 5 | 7 | 1 | 0 | 8 | 28 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 2 | 2 | 1 | 10 |
| | | | | 11-27 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 4 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 5 | 3 | 7 | 28 |
| 1200 | 0 | 0 | 0 | 1-10 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 9 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 6 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 9 | 9 | 28 |
| 1500 | 0 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 10 |
| | | | | 11-27 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 9 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 13 | 28 |
| 1800 | 2 | 0 | 0 | 1-10 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 2 | 13 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 8 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 10 | 26 |
| 2100 | 0 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 5 | 0 | 3 | 2 | 1 | 15 |
| | | | | 11-27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 6 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 1 | 1 | 0 | 0 | 2 | 5 | 1 | 3 | 5 | 7 | 28 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ALEXANDRIA (A) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 0 | 0 | 0 | 1–10 | 4 | 3 | 1 | 1 | 0 | 4 | 1 | 2 | 0 | 1 | 2 | 1 | 20 |
| | | | | 11–27 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 2 | 1 | 0 | 4 | 1 | 2 | 0 | 4 | 2 | 4 | 28 |
| 0300 | 2 | 0 | 0 | 1–10 | 5 | 1 | 2 | 1 | 1 | 0 | 0 | 3 | 0 | 1 | 1 | 4 | 19 |
| | | | | 11–27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 1 | 2 | 1 | 1 | 0 | 0 | 4 | 0 | 2 | 2 | 5 | 26 |
| 0600 | 1 | 0 | 0 | 1–10 | 5 | 3 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 5 | 20 |
| | | | | 11–27 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 1 | 2 | 0 | 0 | 3 | 1 | 2 | 0 | 2 | 6 | 27 |
| 0900 | 0 | 0 | 0 | 1–10 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 7 |
| | | | | 11–27 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 0 | 4 | 5 | 19 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 0 | 0 | 1 | 1 | 0 | 5 | 2 | 0 | 4 | 8 | 28 |
| 1200 | 0 | 0 | 0 | 1–10 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 2 | 11 |
| | | | | 11–27 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 3 | 4 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 7 | 6 | 28 |
| 1500 | 0 | 0 | 0 | 1–10 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 4 | 12 |
| | | | | 11–27 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 4 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 5 | 8 | 28 |
| 1800 | 1 | 0 | 0 | 1–10 | 1 | 2 | 5 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 3 | 1 | 17 |
| | | | | 11–27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 5 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 4 | 4 | 27 |
| 2100 | 0 | 0 | 0 | 1–10 | 3 | 0 | 3 | 3 | 0 | 2 | 1 | 0 | 0 | 4 | 0 | 2 | 18 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 5 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 3 | 3 | 0 | 2 | 1 | 1 | 0 | 4 | 2 | 7 | 28 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DEKHEILA (A)—FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 324 | 315 / 344 | |
| 0000 | 0 | 0 | 0 | 1—10 | 1 | 3 | 0 | 2 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 3 | 16 |
| | | | | 11—27 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 12 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 5 | 0 | 2 | 1 | 6 | 0 | 0 | 0 | 0 | 2 | 6 | 28 |
| 0300 | 0 | 0 | 0 | 1—10 | 0 | 3 | 1 | 1 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 14 |
| | | | | 11—27 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 13 |
| | | | | 28—47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 4 | 2 | 1 | 2 | 6 | 0 | 0 | 0 | 2 | 0 | 3 | 28 |
| 0600 | 0 | 0 | 0 | 1—10 | 2 | 3 | 0 | 1 | 4 | 1 | 0 | 3 | 0 | 0 | 1 | 1 | 16 |
| | | | | 11—27 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 11 |
| | | | | 28—47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 0 | 2 | 4 | 1 | 0 | 3 | 1 | 1 | 2 | 4 | 28 |
| 0900 | 0 | 0 | 0 | 1—10 | 2 | 3 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 2 | 14 |
| | | | | 11—27 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 2 | 13 |
| | | | | 28—47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 2 | 1 | 0 | 0 | 3 | 0 | 0 | 4 | 4 | 4 | 28 |
| 1200 | 0 | 0 | 0 | 1—10 | 3 | 1 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 3 | 12 |
| | | | | 11—27 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 6 | 15 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 1 | 1 | 0 | 3 | 0 | 0 | 0 | 4 | 3 | 9 | 28 |
| 1500 | 0 | 0 | 0 | 1—10 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 12 |
| | | | | 11—27 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 16 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 6 | 28 |
| 1800 | 1 | 0 | 0 | 1—10 | 0 | 0 | 1 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 |
| | | | | 11—27 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 15 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 3 | 1 | 5 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | 27 |
| 2100 | 0 | 0 | 0 | 1—10 | 1 | 3 | 2 | 2 | 1 | 2 | 0 | 2 | 1 | 2 | 0 | 2 | 18 |
| | | | | 11—27 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 10 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 2 | 3 | 1 | 2 | 0 | 2 | 1 | 2 | 2 | 5 | 28 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## PORT SAID (A) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 2 | 1-10 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 2 | 2 | 5 | 0 | 1 | 14 |
| | | | | 11-27 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 2 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 5 | 2 | 2 | 0 | 0 | 0 | 3 | 2 | 8 | 1 | 3 | 26 |
| 0300 | 0 | 0 | 0 | 1-10 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 0 | 12 |
| | | | | 11-27 | 2 | 2 | 2 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 0 | 2 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 3 | 0 | 0 | 0 | 1 | 2 | 3 | 6 | 3 | 3 | 28 |
| 0600 | 0 | 0 | 0 | 1-10 | 3 | 0 | 1 | 1 | 0 | 1 | 0 | 2 | 2 | 3 | 0 | 2 | 15 |
| | | | | 11-27 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 0 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 3 | 1 | 0 | 1 | 0 | 3 | 6 | 5 | 1 | 3 | 28 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 4 | 2 | 2 | 2 | 15 |
| | | | | 11-27 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 1 | 3 | 0 | 0 | 0 | 1 | 7 | 6 | 4 | 3 | 28 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 9 |
| | | | | 11-27 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 3 | 2 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 3 | 1 | 1 | 0 | 0 | 1 | 3 | 5 | 3 | 7 | 28 |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 1 | 3 | 13 |
| | | | | 11-27 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 4 | 14 |
| | | | | 28-47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 5 | 0 | 0 | 0 | 0 | 2 | 1 | 5 | 3 | 7 | 28 |
| 1800 | 0 | 0 | 0 | 1-10 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 2 | 2 | 1 | 13 |
| | | | | 11-27 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 4 | 0 | 0 | 1 | 0 | 1 | 2 | 4 | 4 | 5 | 28 |
| 2100 | 1 | 0 | 0 | 1-10 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 2 | 0 | 11 |
| | | | | 11-27 | 2 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 2 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 4 | 0 | 0 | 0 | 1 | 0 | 10 | 1 | 2 | 2 | 27 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## EL-ARISH—FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Widd speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 014 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 3 | 0 | 0 | 1—10 | 0 | 1 | 0 | 3 | 0 | 3 | 3 | 1 | 7 | 3 | 1 | 0 | 22 |
| | | | | 11—27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 3 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 3 | 0 | 3 | 3 | 1 | 8 | 4 | 1 | 0 | 25 |
| 0300 | 1 | 0 | 0 | 1—10 | 1 | 0 | 0 | 0 | 1 | 6 | 5 | 1 | 6 | 4 | 0 | 1 | 25 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 6 | 5 | 1 | 6 | 5 | 1 | 1 | 27 |
| 0600 | 2 | 0 | 0 | 1—10 | 1 | 0 | 0 | 0 | 1 | 3 | 4 | 8 | 4 | 0 | 1 | 0 | 22 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 4 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 3 | 4 | 8 | 6 | 0 | 3 | 0 | 26 |
| 0900 | 0 | 0 | 0 | 1—10 | 0 | 0 | 3 | 0 | 0 | 1 | 4 | 1 | 5 | 4 | 1 | 2 | 21 |
| | | | | 11—27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 0 | 7 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 3 | 0 | 0 | 1 | 4 | 1 | 7 | 7 | 2 | 2 | 28 |
| 1200 | 0 | 0 | 0 | 1—10 | 5 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 13 |
| | | | | 11—27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 3 | 2 | 15 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 8 | 7 | 3 | 28 |
| 1500 | 0 | 0 | 0 | 1—10 | 6 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 0 | 21 |
| | | | | 11—27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 6 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 8 | 2 | 28 |
| 1800 | 3 | 0 | 0 | 1—10 | 2 | 4 | 1 | 1 | 0 | 0 | 1 | 3 | 5 | 5 | 0 | 0 | 22 |
| | | | | 11—27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 5 | 1 | 1 | 0 | 0 | 1 | 3 | 5 | 5 | 2 | 0 | 25 |
| 2100 | 5 | 0 | 0 | 1—10 | 1 | 2 | 2 | 0 | 0 | 5 | 0 | 0 | 5 | 3 | 2 | 0 | 20 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 2 | 0 | 0 | 5 | 0 | 0 | 7 | 3 | 2 | 1 | 23 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABU SUEIR (A) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 6 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 2 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 11 | 2 | 0 | 22 |
| 0300 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 8 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 11 | 10 | 0 | 0 | 22 |
| 0600 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 4 | 4 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 10 | 11 | 0 | 0 | 24 |
| 0900 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 1 | 4 | 2 | 0 | 12 |
| | | | | 11-27 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 1 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 1 | 3 | 0 | 0 | 0 | 2 | 4 | 11 | 4 | 0 | 27 |
| 1200 | 1 | 0 | 0 | 1-10 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 9 |
| | | | | 11-27 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 3 | 1 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 2 | 1 | 0 | 0 | 0 | 1 | 2 | 5 | 6 | 2 | 27 |
| 1500 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 2 | 0 | 7 |
| | | | | 11-27 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 1 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 8 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 4 | 9 | 1 | 28 |
| 1800 | 3 | 0 | 0 | 1-10 | 2 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 4 | 22 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 4 | 4 | 25 |
| 2100 | 6 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 2 | 4 | 19 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 2 | 4 | 22 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## CAIRO (A) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 0 | 1-10 | 0 | 1 | 3 | 3 | 0 | 2 | 3 | 4 | 3 | 1 | 1 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 3 | 3 | 0 | 2 | 3 | 5 | 4 | 1 | 1 | 0 | 23 |
| 0300 | 6 | 0 | 0 | 1-10 | 0 | 1 | 3 | 2 | 0 | 1 | 2 | 8 | 4 | 0 | 0 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 3 | 2 | 0 | 2 | 2 | 8 | 4 | 0 | 0 | 0 | 22 |
| 0600 | 5 | 0 | 0 | 1-10 | 0 | 1 | 2 | 2 | 0 | 1 | 2 | 10 | 2 | 1 | 2 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 2 | 0 | 1 | 2 | 10 | 2 | 1 | 2 | 0 | 23 |
| 0900 | 0 | 0 | 0 | 1-10 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 4 | 0 | 4 | 19 |
| | | | | 11-27 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 0 | 1 | 0 | 0 | 0 | 2 | 8 | 4 | 2 | 4 | 28 |
| 1200 | 0 | 0 | 0 | 1-10 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 1 | 12 |
| | | | | 11-27 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 4 | 0 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 10 | 1 | 28 |
| 1500 | 0 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 4 | 16 |
| | | | | 11-27 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 7 | 4 | 28 |
| 1800 | 4 | 0 | 0 | 1-10 | 2 | 2 | 5 | 0 | 2 | 0 | 0 | 0 | 2 | 4 | 2 | 3 | 22 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 5 | 0 | 2 | 0 | 0 | 0 | 3 | 4 | 2 | 3 | 24 |
| 2100 | 6 | 0 | 0 | 1-10 | 2 | 0 | 3 | 2 | 0 | 1 | 2 | 1 | 6 | 2 | 1 | 0 | 20 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 3 | 2 | 0 | 1 | 2 | 1 | 6 | 3 | 1 | 0 | 22 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**ALMAZA (A) — FEBRUARY 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 1 | 1 | 2 | 2 | 4 | 2 | 1 | 2 | 2 | 6 | 0 | 0 | 23 |
| | | | | 11-27 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 2 | 3 | 4 | 2 | 1 | 3 | 2 | 7 | 0 | 0 | 27 |
| 0300 | 2 | 0 | 0 | 1-10 | 1 | 4 | 1 | 1 | 1 | 2 | 0 | 4 | 3 | 7 | 0 | 0 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 4 | 1 | 1 | 1 | 2 | 1 | 5 | 3 | 7 | 0 | 0 | 26 |
| 0600 | 3 | 0 | 0 | 1-10 | 3 | 4 | 0 | 0 | 0 | 0 | 2 | 5 | 5 | 2 | 0 | 1 | 22 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 0 | 0 | 0 | 0 | 2 | 6 | 6 | 2 | 0 | 1 | 25 |
| 0900 | 0 | 0 | 0 | 1-10 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 4 | 0 | 3 | 17 |
| | | | | 11-27 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 1 | 10 |
| | | | | 28-47 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 7 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 8 | 0 | 4 | 28 |
| 1200 | 0 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 12 |
| | | | | 11-27 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 1 | 15 |
| | | | | 28-47 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 3 | 5 | 28 |
| 1500 | 0 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 9 |
| | | | | 11-27 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 4 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 8 | 28 |
| 1800 | 2 | 0 | 0 | 1-10 | 4 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 4 | 3 | 19 |
| | | | | 11-27 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 8 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 4 | 3 | 26 |
| 2100 | 1 | 0 | 0 | 1-10 | 3 | 5 | 0 | 0 | 4 | 0 | 2 | 0 | 0 | 6 | 4 | 0 | 24 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 5 | 2 | 0 | 4 | 0 | 2 | 0 | 0 | 7 | 4 | 0 | 27 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ABBASIYA (H.Q.) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 7 | 0 | 0 | 1–10 | 3 | 0 | 2 | 0 | 3 | 0 | 3 | 0 | 5 | 2 | 2 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 2 | 0 | 3 | 0 | 3 | 0 | 6 | 2 | 2 | 0 | 21 |
| 0300 | 7 | 0 | 0 | 1–10 | 2 | 4 | 0 | 0 | 0 | 0 | 3 | 3 | 6 | 3 | 0 | 0 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 0 | 0 | 0 | 0 | 3 | 3 | 6 | 3 | 0 | 0 | 21 |
| 0600 | 4 | 0 | 0 | 1–10 | 1 | 2 | 0 | 4 | 0 | 0 | 2 | 5 | 6 | 1 | 0 | 2 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 0 | 4 | 0 | 0 | 2 | 6 | 6 | 1 | 0 | 2 | 24 |
| 0900 | 1 | 0 | 0 | 1–10 | 3 | 3 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 5 | 3 | 0 | 19 |
| | | | | 11–27 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 5 | 2 | 0 | 0 | 0 | 1 | 2 | 4 | 5 | 3 | 1 | 27 |
| 1200 | 0 | 0 | 0 | 1–10 | 4 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 2 | 1 | 17 |
| | | | | 11–27 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 1 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 3 | 6 | 4 | 2 | 28 |
| 1500 | 0 | 0 | 0 | 1–10 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 4 | 17 |
| | | | | 11–27 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 7 | 28 |
| 1800 | 4 | 0 | 0 | 1–10 | 9 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 6 | 2 | 21 |
| | | | | 11–27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 6 | 2 | 24 |
| 2100 | 3 | 0 | 0 | 1–10 | 6 | 1 | 2 | 0 | 0 | 1 | 1 | 1 | 1 | 8 | 0 | 3 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 2 | 0 | 0 | 1 | 1 | 1 | 2 | 8 | 0 | 3 | 25 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MOSTAFA HELMI (A) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 5 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 2 | 2 | 1 | 4 | 18 |
| | | | | 11–27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 2 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 0 | 0 | 0 | 2 | 1 | 1 | 3 | 6 | 2 | 6 | 28 |
| 0300 | 2 | 0 | 0 | 1–10 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 1 | 3 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 8 | 1 | 4 | 26 |
| 0600 | 0 | 0 | 0 | 1–10 | 2 | 3 | 0 | 0 | 0 | 3 | 0 | 1 | 2 | 4 | 4 | 3 | 22 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 0 | 0 | 0 | 3 | 0 | 1 | 4 | 5 | 5 | 4 | 28 |
| 0900 | 0 | 0 | 0 | 1–10 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 12 |
| | | | | 11–27 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 2 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 6 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 6 | 4 | 4 | 28 |
| 1200 | 0 | 0 | 0 | 1–10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 7 |
| | | | | 11–27 | 2 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 5 | 20 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 2 | 9 | 28 |
| 1500 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 5 |
| | | | | 11–27 | 7 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 22 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 8 | 28 |
| 1800 | 2 | 0 | 0 | 1–10 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 11 |
| | | | | 11–27 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 5 | 26 |
| 2100 | 1 | 0 | 0 | 1–10 | 3 | 6 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 6 | 3 | 2 | 22 |
| | | | | 11–27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 6 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 7 | 4 | 3 | 27 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## GIZA—FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 15 | 0 | 0 | 1—10 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 0300 | 14 | 0 | 1 | 1—10 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 0600 | 12 | 0 | 0 | 1—10 | 5 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 0 | 0 | 0 | 0 | 16 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 0 | 0 | 0 | 0 | 16 |
| 0900 | 0 | 0 | 0 | 1—10 | 3 | 4 | 5 | 0 | 0 | 3 | 0 | 0 | 2 | 3 | 4 | 8 | 27 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 5 | 0 | 0 | 3 | 0 | 0 | 2 | 3 | 4 | 4 | 28 |
| 1200 | 0 | 0 | 0 | 1—10 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 8 | 7 | 24 |
| | | | | 11—27 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 3 | 9 | 28 |
| 1500 | 1 | 0 | 0 | 1—10 | 5 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 4 | 25 |
| | | | | 11—27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 4 | 27 |
| 1800 | 8 | 0 | 0 | 1—10 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 1 | 19 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 1 | 20 |
| 2100 | 13 | 0 | 1 | 1—10 | 4 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 14 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 14 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**MINYA (A) — FEBRUARY 1959**

| Hour | Calm | Variable | not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 15 | 24 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 15 | 25 |
| 0300 | 6 | 0 | 0 | 1-10 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 13 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 13 | 22 |
| 0600 | 6 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 5 | 2 | 8 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 5 | 3 | 8 | 22 |
| 0900 | 0 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 9 | 17 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 4 | 15 | 28 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 11 | 16 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 18 | 28 |
| 1500 | 0 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 15 |
| | | | | 11-27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15 | 28 |
| 1800 | 4 | 0 | 0 | 1-10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 9 | 19 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 12 | 24 |
| 2100 | 3 | 0 | 0 | 1-10 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 4 | 7 | 22 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 4 | 7 | 25 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ASYOUT (A) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 3 | 4 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 3 | 5 | 22 |
| 0300 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 14 | 3 | 1 | 21 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 14 | 3 | 1 | 22 |
| 0600 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 5 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 5 | 0 | 22 |
| 0900 | 3 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 3 | 3 | 9 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 3 | 3 | 12 | 25 |
| 1200 | 1 | 0 | 0 | 1-10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 9 | 19 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 15 | 27 |
| 1500 | 1 | 0 | 0 | 1-10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 12 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 14 | 27 |
| 1800 | 7 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 6 | 1 | 7 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 6 | 1 | 9 | 21 |
| 2100 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 15 | 0 | 4 | 24 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 15 | 0 | 4 | 25 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## LUXOR (A) — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 6 | 0 | 0 | 1-10 | 5 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 0 | 2 | 1 | 4 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 0 | 2 | 1 | 5 | 22 |
| 0300 | 7 | 0 | 0 | 1-10 | 6 | 0 | 0 | 0 | 0 | 1 | 5 | 5 | 0 | 0 | 0 | 4 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 1 | 5 | 5 | 0 | 0 | 0 | 4 | 21 |
| 0600 | 8 | 0 | 0 | 1-10 | 1 | 1 | 1 | 0 | 0 | 3 | 5 | 4 | 0 | 1 | 1 | 2 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 1 | 0 | 0 | 3 | 5 | 4 | 1 | 1 | 1 | 2 | 20 |
| 0900 | 0 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 10 | 17 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 4 | 18 | 28 |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 0 | 10 | 18 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 5 | 14 | 28 |
| 1500 | 2 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 11 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 15 | 26 |
| 1800 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 6 | 5 | 2 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 6 | 7 | 4 | 23 |
| 2100 | 2 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 2 | 3 | 6 | 3 | 3 | 7 | 0 | 0 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 2 | 3 | 6 | 3 | 3 | 7 | 0 | 0 | 26 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASWAN — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 16 | 0 | 0 | 1-10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 11 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | • | • | • | • | • | • | • | • | 1 | • | 1 | 12 |
| 0300 | 15 | 0 | 0 | 1-10 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 4 | • | • | • | • | • | • | • | • | • | 1 | 13 |
| 0600 | 11 | 0 | 0 | 1-10 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 5 | • | • | • | • | • | • | • | • | • | 1 | 17 |
| 0900 | 3 | 0 | 0 | 1-10 | 18 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 20 | 5 | • | • | • | • | • | • | • | • | • | • | 25 |
| 1200 | 4 | 0 | 0 | 1-10 | 18 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 23 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 19 | 3 | • | • | • | • | • | • | • | • | • | 2 | 24 |
| 1500 | 0 | 0 | 0 | 1-10 | 18 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 26 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 20 | 4 | • | • | • | • | • | • | • | • | 4 | • | 28 |
| 1800 | 3 | 0 | 0 | 1-10 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 24 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 18 | 0 | • | • | • | • | • | • | • | 7 | • | • | 25 |
| 2100 | 4 | 0 | 0 | 1-10 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 21 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | • | • | • | • | • | • | • | • | • | 2 | 7 | 24 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**SIWA — FEBRUARY 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 9 | 0 | 0 | 1–10 | 3 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 0 | 18 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 0 | 19 |
| 0300 | 12 | 0 | 0 | 1–10 | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 2 | 0 | 2 | 4 | 1 | 14 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 2 | 0 | 1 | 0 | 0 | 2 | 0 | 2 | 4 | 2 | 16 |
| 0600 | 12 | 0 | 0 | 1–10 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 13 |
| | | | | 11–27 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 16 |
| 0900 | 2 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 4 | 1 | 4 | 16 |
| | | | | 11–27 | 2 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 0 | 0 | 2 | 3 | 0 | 0 | 2 | 4 | 2 | 7 | 26 |
| 1200 | 0 | 0 | 0 | 1–10 | 2 | 0 | 1 | 0 | 0 | 3 | 2 | 0 | 1 | 0 | 2 | 1 | 12 |
| | | | | 11–27 | 5 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 5 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 2 | 2 | 0 | 0 | 4 | 2 | 0 | 1 | 0 | 4 | 6 | 28 |
| 1500 | 1 | 0 | 0 | 1–10 | 2 | 1 | 2 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 13 |
| | | | | 11–27 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 3 | 3 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 4 | 2 | 27 |
| 1800 | 2 | 0 | 0 | 1–10 | 2 | 3 | 2 | 1 | 0 | 1 | 0 | 0 | 4 | 2 | 4 | 0 | 19 |
| | | | | 11–27 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 4 | 1 | 0 | 1 | 0 | 0 | 4 | 2 | 4 | 2 | 26 |
| 2100 | 5 | 0 | 0 | 1–10 | 1 | 1 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 3 | 5 | 0 | 15 |
| | | | | 11–27 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 4 | 1 | 0 | 0 | 2 | 0 | 0 | 3 | 5 | 1 | 23 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## BAHARIYA — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 22 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 6 |
| 0300 | 21 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 7 |
| 0600 | 23 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 5 |
| 0900 | 10 | 0 | 0 | 1-10 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 10 |
| | | | | 11-27 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 18 |
| 1200 | 6 | 0 | 0 | 1-10 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 12 |
| | | | | 11-27 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 22 |
| 1500 | 8 | 0 | 0 | 1-10 | 4 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11-27 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 20 |
| 1800 | 16 | 0 | 0 | 1-10 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 12 |
| 2100 | 22 | 0 | 0 | 1-10 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DAKHLA—FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 8 | 0 | 0 | 1—10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 7 | 0 | 20 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 7 | 0 | 20 |
| 0300 | 11 | 0 | 0 | 1—10 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 4 | 0 | 17 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 4 | 0 | 17 |
| 0600 | 3 | 0 | 0 | 1—10 | 2 | 2 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 10 | 4 | 1 | 23 |
| | | | | 11—27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 10 | 4 | 1 | 25 |
| 0900 | 0 | 0 | 0 | 1—10 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 4 | 20 |
| | | | | 11—27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 8 | 28 |
| 1200 | 0 | 0 | 0 | 1—10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 4 | 16 |
| | | | | 11—27 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 12 |
| | | | | 28—48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 8 | 9 | 28 |
| 1500 | 0 | 0 | 0 | 1—10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 10 |
| | | | | 11—27 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 18 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 28 |
| 1800 | 3 | 0 | 1 | 1—10 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 23 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 9 | 24 |
| 2100 | 6 | 0 | 0 | 1—10 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 5 | 9 | 2 | 21 |
| | | | | 11—27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 5 | 9 | 2 | 22 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## HURGHADA — FEBRUARY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 11 | 0 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 15 | 0 | 28 |
| 0300 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 11 | 0 | 20 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 15 | 0 | 28 |
| 0600 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 5 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 16 | 1 | 23 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 18 | 1 | 28 |
| 0900 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 7 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 17 | 20 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 24 | 28 |
| 1200 | 0 | 0 | 0 | 1–10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 11–27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 19 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 28 |
| 1500 | 1 | 0 | 0 | 1–10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 | 20 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 20 | 27 |
| 1800 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 7 | 18 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 15 | 10 | 28 |
| 2100 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 1 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 3 | 1 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 10 | 3 | 28 |

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 0000 U.T. — FEBRUARY 1959.

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew Point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 24 | 1016mb | 1023mb | 1011mb | 24 | 11 4 | 14.5 | 7.7 | 24 | 6.1 |
| 1000 ... ... ... ... | 24 | 177 | 232 | 133 | 24 | 11.1 | 13.8 | 8.1 | 24 | 5.2 |
| 850 ... ... ... ... | 24 | 1508 | 1558 | 1472 | 24 | 0.7 | 6.0 | — 4.0 | 23 | 1.6 |
| 700 ... ... ... ... | 24 | 3094 | 3127 | 2987 | 24 | — 9.0 | 1.2 | —11.9 | 11 | —13.6 |
| 600 ... ... ... ... | 23 | 4247 | 4345 | 4152 | 23 | —12.3 | — 5.7 | —20.0 | 4 | —18·4 |
| 500 ... ... ... ... | 23 | 5622 | 5744 | 5487 | 23 | —21.4 | —15.2 | —26.5 | 3 | —27.5 |
| 400 ... ... ... ... | 22 | 7219 | 7391 | 7075 | 22 | —32.8 | —27.4 | —37.5 | — | — |
| 300 ... ... ... ... | 16 | 9201 | 9454 | 9066 | 16 | —45.5 | —37.0 | —49.8 | — | — |
| 200 ... ... ... ... | 3 | 11763 | 11834 | 11706 | 3 | —52.8 | —51.5 | —54.2 | — | — |
| 150 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 1200 U.T. — FEBRUARY 1959

| Pressure surface (millibar) | Hights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 27 | 1016mb | 1022mb | 1009mb | 27 | 15.2 | 18.2 | 12.2 | 27 | 6.8 |
| 1000 ... ... ... ... | 27 | 174 | 227 | 119 | 27 | 13.8 | 17.6 | 10.5 | 27 | 6.2 |
| 850 ... ... ... ... | 27 | 1512 | 1567 | 1468 | 27 | 1.6 | 5.8 | — 1.9 | 27 | — 2·3 |
| 700 ... ... ... ... | 27 | 3058 | 3136 | 2995 | 27 | — 4.7 | 2.9 | —12.3 | 13 | —14.3 |
| 600 ... ... ... ... | 27 | 4252 | 4355 | 4075 | 27 | —12.1 | — 6.1 | —17.4 | 8 | —21.4 |
| 500 ... ... ... ... | 27 | 5625 | 5743 | 5426 | 27 | —21.2 | —16.5 | —25.2 | 5 | —28.4 |
| 400 ... ... ... ... | 27 | 7237 | 7370 | 7014 | 27 | —32.5 | —27.5 | —37.9 | 5 | —39.0 |
| 300 ... ... ... ... | 22 | 9213 | 9333 | 9092 | 22 | —44.6 | —39.6 | —47.5 | — | — |
| 200 ... ... ... ... | 7 | 11837 | 11923 | 11748 | 7 | —51.3 | —46.6 | —55.8 | — | — |
| 150 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A)—0000 U.T. — FEBRUARY 1959.

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 26 | 1014mb | 1021mb | 1007mb | 26 | 9.3 | 13.4 | 5.6 | 26 | 4.5 |
| 1000 ... ... ... ... | 26 | 186 | 242 | 129 | 26 | 8.7 | 13.0 | 4.8 | 26 | 3.9 |
| 850 ... ... ... ... | 26 | 1516 | 1575 | 1470 | 26 | 1.2 | 8.0 | — 3.8 | 26 | — 3.4 |
| 700 ... ... ... ... | 26 | 3059 | 3127 | 3011 | 26 | — 4.4 | 1.3 | —13.9 | 9 | —14.0 |
| 600 ... ... ... ... | 26 | 4258 | 4346 | 4208 | 26 | —11.5 | —6.6 | —17.7 | 4 | —21.2 |
| 500 ... ... ... ... | 26 | 5632 | 5746 | 5528 | 26 | —20.5 | —16.0 | —24.9 | 5 | —30.2 |
| 400 ... ... ... ... | 26 | 7249 | 7390 | 7124 | 26 | —31.4 | —27.0 | —36.5 | 4 | —38.2 |
| 300 ... ... ... ... | 21 | 9237 | 9403 | 9109 | 21 | —43.0 | —32.1 | —47.5 | — | — |
| 200 ... ... ... ... | 9 | 11919 | 12036 | 11803 | 9 | —52.3 | —48.1 | —56.5 | — | — |
| 150 ... ... ... ... | 5 | 13753 | 13865 | 13641 | 5 | —62.1 | —57.0 | —67.3 | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A)—1200 U.T. — FEBRUARY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 26 | 1014mb | 1020mb | 1007mb | 26 | 16.2 | 19.2 | 13.2 | 26 | 4.5 |
| 1000 ... ... ... ... | 26 | 184 | 238 | 130 | 26 | 15.0 | 17.8 | 9.6 | 26 | 4.4 |
| 850 ... ... ... ... | 26 | 1527 | 1580 | 1470 | 26 | 1.7 | 7.2 | — 3.5 | 26 | — 3.2 |
| 700 ... ... ... ... | 26 | 3071 | 3152 | 3006 | 26 | — 4.9 | 1.3 | —11.6 | 6 | —15.4 |
| 600 ... ... ... ... | 26 | 4270 | 4371 | 4184 | 26 | —11.5 | — 6.5 | —17.7 | 6 | —21.1 |
| 500 ... ... ... ... | 26 | 5645 | 5765 | 5530 | 26 | —20.4 | —16.0 | —25.9 | 7 | —27.8 |
| 400 ... ... ... ... | 26 | 7264 | 7399 | 7152 | 26 | —31.0 | —26.0 | —36.8 | 4 | —38.5 |
| 300 ... ... ... ... | 21 | 9259 | 9402 | 9153 | 21 | —42.4 | —36.2 | —47.5 | — | — |
| 200 ... ... ... ... | 7 | 11930 | 12094 | 11819 | 7 | —51.1 | —46.0 | —58.8 | — | — |
| 150 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 0000 U.T. — FEBRUARY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 24 | 1006mb | 1011mb | 1000mb | 24 | 11.4 | 13.7 | 8.2 | 24 | — 0.4 |
| 1000 ... ... ... ... | 24 | 158 | 196 | 106 | 24 | 11.2 | 13.6 | 7.9 | 24 | — 0.9 |
| 850 ... ... ... ... | 24 | 1500 | 1514 | 1468 | 24 | 6.0 | 12.2 | 1.4 | 15 | — 6.8 |
| 700 ... ... ... ... | 24 | 3078 | 3140 | 3040 | 24 | 1.4 | 4.8 | — 3.9 | 7 | —11.3 |
| 600 ... ... ... ... | 24 | 4309 | 4373 | 4252 | 24 | — 4.7 | — 0.7 | —11.0 | 7 | —16.3 |
| 500 ... ... ... ... | 24 | 5735 | 5799 | 5653 | 24 | —12.4 | — 2.3 | —16.0 | 4 | —22.3 |
| 400 ... ... ... ... | 24 | 7398 | 7479 | 7315 | 24 | —23.3 | —18.2 | —25.8 | 5 | —33.4 |
| 300 ... ... ... ... | 24 | 9444 | 9553 | 9354 | 24 | —36.1 | —31.5 | —41.2 | — | — |
| 200 ... ... ... ... | 24 | 12143 | 12265 | 12022 | 24 | —55.3 | —52.0 | —59.4 | — | — |
| 150 ... ... ... ... | 22 | 13922 | 14039 | 13686 | 22 | —69.6 | —60.9 | —70.5 | — | — |
| 100 ... ... ... ... | 19 | 16342 | 16468 | 16219 | 19 | —75.5 | —73.0 | —79.6 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 1200 U.T. — FEBRUARY 1959.

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 25 | 1005mb | 1010mb | 999mb | 25 | 22.2 | 26.3 | 17.5 | 25 | 0.7 |
| 1000 ... ... ... ... | 23 | 156 | 192 | 106 | 23 | 21.2 | 26.0 | 13.0 | 23 | 0.4 |
| 850 ... ... ... ... | 25 | 1520 | 1548 | 1477 | 25 | 9.1 | 16.2 | 2.3 | — | — |
| 700 ... ... ... ... | 25 | 3113 | 3161 | 3077 | 25 | 4.0 | 9.3 | 0.7 | — | — |
| 600 ... ... ... ... | 25 | 4353 | 4412 | 4309 | 25 | — 2.0 | 1.5 | — 6.6 | — | — |
| 500 ... ... ... ... | 25 | 5761 | 5848 | 5723 | 25 | — 9.9 | — 6.7 | —12.5 | — | — |
| 400 ... ... ... ... | 25 | 7468 | 7543 | 7396 | 25 | —20.4 | —14.9 | —23.8 | — | — |
| 300 ... ... ... ... | 25 | 9535 | 9635 | 9454 | 25 | —34.7 | —30.4 | —41.6 | — | — |
| 200 ... ... ... ... | 24 | 12247 | 12344 | 12164 | 24 | —54.2 | —49.8 | —57.0 | — | — |
| 150 ... ... ... ... | 24 | 14046 | 14166 | 13930 | 24 | —64.8 | —61.2 | —68.7 | — | — |
| 100 ... ... ... ... | 23 | 16455 | 16610 | 16335 | 23 | —73.9 | —70.8 | —78.0 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 0000 U.T. — FEBRUARY 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000–360)° | Speed in knots |
| Aleppo (A) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mersa Matruh (A) | 1705 (23) | 830 (23) | —3·7 (21) | 3180 | 694 | —8.0 | 1060 | 896 | —2.7 | — | — | — | — | — | — | — | — | — | 11500 | 208 | 270 | 136 |
| Cairo (A) | 1905 (26) | 812 (26) | —3·3 (19) | 2660 | 740 | — | 1060 | 897 | —4.8 | 10722 (4) | 237 (4) | —50.7 (4) | 11130 | 222 | —50.2 | 10310 | 253 | —51.2 | 12600 | 178 | 260 | 117 |
| Aswan | 3076 (24) | 705 (24) | —11·8 (10) | 4200 | 608 | — | 1260 | 872 | — | 14658 (13) | 148 (13) | —70.7 (13) | 17320 | 085 | —79.8 | 12550 | 190 | —60.6 | 10800 | 250 | 230 | 136 |

N = Total number of observations.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE ; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 1200 U.T. — FEBRUARY 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | pressure mb. | Temp. °C | Height gpm. | pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A)... ... ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mersa Matruh (A)... ... ... ... ... ... ... | 1[illegible] (27) | 812 (27) | —3.7 (22) | 3440 | 674 | —18.5 | 1240 | 877 | — 3.4 | — | — | — | — | — | — | — | — | — | 9300 | 293 | 270 | 128 |
| Cairo (A)... ... ... ... ... ... ... | 1928 (26) | 811 (26) | —2.7 (26) | 3310 | 685 | — | 1150 | 888 | —4.3 | — | — | — | — | — | — | — | — | — | 11430 | 220 | 250 | 113 |
| Aswan ... ... ... ... ... ... ... ... ... | 3941 (25) | 634 (25) | —10.3 (6) | 4780 | 572 | — | 1730 | 828 | —11.4 | 14834 (23) | 135 (23) | —69·1 (23) | 18090 | 75 | —78.2 | 12850 | 183 | —61.8 | 9150 | 315 | 280 | 122 |

N = Total number of observations.

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## MERSA MATRUH (A) — 0000 U.T. — FEBRUARY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 5 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 2 | 1 | 12 | 4 | 9 | 7 | 9 | 0 | — | 2 | 15 | 4 | 14 | 0 | 24 | 11 |
| 1000 ... ... | 7 | 9 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 14 | 5 | 12 | 0 | — | 3 | 18 | 8 | 12 | 0 | 24 | 13 |
| 950 ... ... | 6 | 15 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 9 | 4 | 22 | 0 | — | 5 | 13 | 7 | 18 | 0 | 24 | 16 |
| 700 ... ... | 3 | 19 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 19 | 7 | 18 | 8 | 24 | 0 | 24 | 20 |
| 600 ... ... | 2 | 26 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 9 | 26 | 7 | 22 | 5 | 26 | 0 | 23 | 25 |
| 500 ... ... | 1 | 24 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 10 | 31 | 8 | 27 | 4 | 34 | 0 | 23 | 30 |
| 400 ... ... | 1 | 37 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 11 | 46 | 5 | 35 | 5 | 42 | 0 | 22 | 42 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 8 | 57 | 6 | 62 | 2 | 40 | 0 | 16 | 57 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 108 | 1 | 60 | 0 | — | 0 | 3 | 92 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 86 | 0 | — | 0 | — | 0 | 1 | 86 |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 80 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## MERSA MATRUH (A) — 1200 U.T. — FEBRUARY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 5 | 11 | 1 | 10 | 0 | — | 1 | 13 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 15 | 3 | 19 | 8 | 14 | 8 | 15 | 0 | 27 | 14 |
| 1000 ... ... | 6 | 12 | 0 | — | 0 | — | 0 | — | 1 | 11 | 0 | — | 0 | — | 0 | — | 1 | 16 | 2 | 22 | 4 | 12 | 13 | 16 | 0 | 27 | 15 |
| 850 ... ... | 5 | 17 | 0 | — | 1 | 6 | 0 | — | 1 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 16 | 6 | 12 | 10 | 16 | 0 | 27 | 15 |
| 700 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 10 | 2 | 8 | 4 | 18 | 12 | 18 | 8 | 24 | 0 | 27 | 19 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 23 | 6 | 31 | 11 | 25 | 5 | 26 | 0 | 27 | 26 |
| 500 ... ... | 1 | 19 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 32 | 12 | 34 | 10 | 36 | 1 | 22 | 0 | 27 | 33 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 1 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 43 | 9 | 54 | 10 | 39 | 3 | 33 | 0 | 27 | 43 |
| 300 ... ... | 1 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 76 | 4 | 71 | 10 | 54 | 2 | 37 | 0 | 20 | 57 |
| 200 .. ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 90 | 4 | 91 | 0 | — | 0 | 6 | 90 |
| 150 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

## CAIRO (A)—0000 U.T.— FEBRUARY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360) ° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 0 | — | 3 | 9 | 1 | 4 | 2 | 7 | 0 | — | 1 | 2 | 2 | 2 | 5 | 7 | 1 | 8 | 1 | 7 | 1 | 4 | 0 | — | 9 | 26 | 4 |
| 1000... ... | 3 | 7 | 5 | 9 | 2 | 16 | 2 | 16 | 1 | 4 | 0 | — | 0 | — | 1 | 6 | 1 | 17 | 4 | 10 | 2 | 9 | 2 | 13 | 3 | 26 | 9 |
| 850... ... | 5 | 18 | 2 | 20 | 1 | 22 | 0 | — | 0 | — | 1 | 4 | 0 | — | 1 | 5 | 0 | — | 4 | 22 | 4 | 19 | 8 | 17 | 0 | 26 | 18 |
| 700... ... | 2 | 27 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 16 | 1 | 14 | 8 | 26 | 10 | 22 | 3 | 27 | 1 | 26 | 23 |
| 600... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 27 | 13 | 32 | 8 | 34 | 2 | 36 | 0 | 26 | 33 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 53 | 14 | 41 | 6 | 35 | 3 | 34 | 0 | 25 | 40 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 97 | 18 | 56 | 2 | 58 | 1 | 33 | 0 | 22 | 58 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 63 | 8 | 76 | 1 | 54 | 0 | — | 0 | 10 | 72 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 94 | 3 | 89 | 0 | — | 0 | — | 0 | 4 | 89 |
| 150... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

## CAIRO (A) — 1200 U.T. — FEBRUARY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | | | |
| Surface ... | 1 | 6 | 2 | 11 | 2 | 11 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 7 | 5 | 15 | 3 | 10 | 10 | 12 | 2 | 8 | 0 | 26 | 11 |
| 1000 ... ... | 3 | 8 | 2 | 16 | 2 | 11 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 11 | 5 | 12 | 5 | 13 | 5 | 13 | 0 | 26 | 12 |
| 850 ... .. | 3 | 13 | 4 | 11 | 0 | — | 1 | 17 | 0 | — | 0 | — | 0 | — | 2 | 12 | 2 | 12 | 3 | 16 | 7 | 16 | 4 | 15 | 0 | 26 | 14 |
| 700 ... ... | 0 | — | 1 | 30 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 14 | 0 | — | 9 | 18 | 7 | 27 | 8 | 24 | 0 | 26 | 23 |
| 600 ... ... | 0 | — | 0 | — | 1 | 22 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 27 | 8 | 30 | 11 | 37 | 4 | 23 | 0 | 26 | 32 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 41 | 12 | 42 | 9 | 41 | 1 | 18 | 0 | 26 | 41 |
| 400 ... ... | 1 | 5 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 63 | 10 | 59 | 6 | 52 | 0 | — | 0 | 22 | 56 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 122 | 7 | 66 | 2 | 42 | 0 | — | 0 | 11 | 72 |
| 200 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 150 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 .. ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

ASWAN — 0000 U.T. — FEBRUARY 1959.

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | | | |
| Surface ... | 12 | 7 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 4 | 0 | — | 0 | — | 11 | 24 | 4 |
| 1000... ... | 12 | 8 | 1 | 9 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 12 | 1 | 4 | 9 | 24 | 5 |
| 850... ... | 4 | 10 | 2 | 6 | 3 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 8 | 5 | 17 | 9 | 16 | 0 | 24 | 14 |
| 700... ... | 1 | 23 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 24 | 12 | 27 | 9 | 28 | 1 | 9 | 0 | 24 | 26 |
| 600... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 55 | 15 | 43 | 7 | 42 | — | — | 0 | 24 | 42 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 59 | 17 | 55 | 6 | 52 | — | — | 0 | 24 | 54 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 104 | 19 | 70 | 4 | 71 | — | — | 0 | 24 | 71 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 82 | 12 | 84 | 1 | 65 | — | — | 0 | 16 | 82 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 105 | 4 | 98 | 0 | — | — | — | 0 | 7 | 101 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 99 | 1 | 78 | 0 | — | — | — | 0 | 2 | 88 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### ASWAN-1200 U.T. — FEBRUARY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 18 | 8 | 2 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 8 | 1 | 12 | 3 | 25 | 7 |
| 1000... ... | 19 | 8 | 2 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 12 | 1 | 23 | 8 |
| 850... ... | 6 | 8 | 2 | 11 | 2 | 10 | 1 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 9 | 5 | 13 | 8 | 14 | 0 | 25 | 12 |
| 700... ... | 1 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 16 | 9 | 27 | 8 | 27 | 6 | 20 | 0 | 25 | 24 |
| 600... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 46 | 15 | 42 | 7 | 31 | 1 | 21 | 0 | 25 | 38 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 20 | 52 | 5 | 50 | 0 | — | 0 | 25 | 52 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 80 | 19 | 68 | 3 | 71 | 0 | — | 0 | 23 | 69 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 94 | 12 | 76 | 1 | 76 | 0 | — | 0 | 15 | 78 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 68 | 2 | 72 | 0 | — | 0 | — | 0 | 4 | 70 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 86 | 0 | — | 0 | — | 0 | 2 | 86 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | 0 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

## FEBRUARY 1959

This month was abnormally cold and rainy as compared with the normal values for February at Giza ; the mean air temperature at 2 metres was 2.1°C below normal, the mean relative humidity was slightly below normal (2%) and the total amount of rainfall was 7 mms. higher than normal.

The minimum air temperature at 5 cms. above grass (libia) fell below 0°C on 14 days during the month, the duration of air temperatures below 0°C on these days are given in the following table in hours (to the nearest half) together with the minimum air temperatures at that height, no damage to plants was reported in the fields of the Plant Breeding Station at Giza.

AIR TEMPERATURES BELOW 0°C AT 5 Cms. ABOVE GRASS (LIBIA).

| Date | Minimum air temp. °C | Duration in hours (to the nearest half) of air temp. below the following limits | | | | | Date | Minimum air temp. °C | Duration in hours (to the nearest half) of air temp. below the following limits | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0°C | —1°C | —2°C | —3°C | —4°C | | | 0°C | —1°C | —2°C | —3°C | —4°C |
| 2 | —0·7 | 1·0 | 0 | 0 | 0 | 0 | 16 | —1·9 | 2·0 | 1·5 | 0 | 0 | 0 |
| 3 | —1·3 | 1·5 | 0 | 0 | 0 | 0 | 19 | —0·5 | 1·5 | 0 | 0 | 0 | 0 |
| 4 | —1·2 | 1·0 | 0 | 0 | 0 | 0 | 20 | —1·2 | 2·5 | 0·5 | 0 | 0 | 0 |
| 5 | —0·1 | 0 | 0 | 0 | 0 | 0 | 21 | —0·2 | 0 | 0 | 0 | 0 | 0 |
| 7 | —1·3 | 2·0 | 0 | 0 | 0 | 0 | 22 | —2·9 | 5·5 | 4·0 | 2·5 | 0 | 0 |
| 10 | —1·4 | 0·5 | 0 | 0 | 0 | 0 | 24 | —0·9 | 0·5 | 0 | 0 | 0 | 0 |
| 11 | —1·1 | 1·0 | 0 | 0 | 0 | 0 | 28 | —4·5 | 6·5 | 6·0 | 5·5 | 3·5 | 1·0 |

N.B. On the 24th the air temperature at 5 cms. above grass was below zero round 2300 U.T. and rose above zero before midnight.

The extreme soil temperatures at 0.3 cms. depth in the dry field were lower than the corresponding values for February 1958 by 10.5°C for the maximum temperature and by 1°C for the minimum temperature ; both maximum and minimum temperatures in the deeper layers were generally lower than the corresponding values for last February.

For the month as a whole, the mean wind speed for the day at 2 metres above ground was higher (1.9 m/sec) as compared with the corresponding value (1.6 m/sec) for February 1958. The total duration of bright sunshine was 33 hours less and the total (Solar+Sky) radiation was 1400 gm. calories/cm$^2$ less than the corresponding values of last February.

## TABLE C 1.—AIR TEMPERATURE AT 2 METRES ABOVE GROUND ; ABSOLUTE MINIMU AIR TEMPERATURES AT 5cms. ABOVE GROUND ON DIFFERENT FIELDS

### GIZA — FEBRUARY 1959

| Date | Air temperature (°C) | | | | | Duration in hours of air temperature above the following values | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Mean of the day | Night time mean | Day time mean | —5 °C | 0 °C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40°C |
| 1 | 18.5 | 5.4 | 10.2 | 9 | 14 | 24 | 24 | 24 | 12 | 6 | 0 | 0 | 0 | 0 | 0 |
| 2 | 18.4 | 4.5 | 10.7 | 9 | 15 | 24 | 24 | 24 | 15 | 6 | 0 | 0 | 0 | 0 | 0 |
| 3 | 18.7 | 3.8 | 10.6 | 9 | 14 | 24 | 24 | 23 | 13 | 8 | 0 | 0 | 0 | 0 | 0 |
| 4 | 19.4 | 3.8 | 10.5 | 10 | 14 | 24 | 24 | 22 | 15 | 7 | 0 | 0 | 0 | 0 | 0 |
| 5 | 18.8 | 5.5 | 11.3 | 11 | 15 | 24 | 24 | 24 | 16 | 7 | 0 | 0 | 0 | 0 | 0 |
| 6 | 15.2 | 5.6 | 9.9 | 10 | 12 | 24 | 24 | 24 | 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 16.7 | 2.8 | 9.0 | 7 | 12 | 24 | 24 | 18 | 14 | 5 | 0 | 0 | 0 | 0 | 0 |
| 8 | 18.6 | 5.2 | 11.2 | 10 | 14 | 24 | 24 | 24 | 14 | 8 | 0 | 0 | 0 | 0 | 0 |
| 9 | 18.8 | 5.9 | 11.6 | 10 | 15 | 24 | 24 | 24 | 15 | 8 | 0 | 0 | 0 | 0 | 0 |
| 10 | 17.5 | 3.0 | 10.1 | 10 | 13 | 24 | 24 | 21 | 17 | 6 | 0 | 0 | 0 | 0 | 0 |
| 11 | 18.6 | 3.5 | 10.1 | 9 | 13 | 24 | 24 | 20 | 13 | 7 | 0 | 0 | 0 | 0 | 0 |
| 12 | 17.9 | 6.6 | 11.5 | 10 | 14 | 24 | 24 | 24 | 14 | 6 | 0 | 0 | 0 | 0 | 0 |
| 13 | 17.9 | 7.6 | 11.9 | 11 | 14 | 24 | 24 | 24 | 15 | 4 | 0 | 0 | 0 | 0 | 0 |
| 14 | 15.6 | 7.1 | 10.5 | 9 | 13 | 24 | 24 | 24 | 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 15.3 | 6.0 | 9.4 | 10 | 11 | 24 | 24 | 24 | 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 16.4 | 3.7 | 9.6 | 6 | 12 | 24 | 24 | 23 | 14 | 2 | 0 | 0 | 0 | 0 | 0 |
| 17 | 18.0 | 7.4 | 11.0 | 10 | 13 | 24 | 24 | 24 | 12 | 4 | 0 | 0 | 0 | 0 | 0 |
| 18 | 18.4 | 5.6 | 10.6 | 9 | 14 | 24 | 24 | 24 | 13 | 6 | 0 | 0 | 0 | 0 | 0 |
| 19 | 16.6 | 5.6 | 10.7 | 8 | 13 | 24 | 24 | 24 | 13 | 2 | 0 | 0 | 0 | 0 | 0 |
| 20 | 16.4 | 4.4 | 9.6 | 8 | 12 | 24 | 24 | 24 | 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 17.3 | 5.8 | 10.4 | 8 | 13 | 24 | 24 | 24 | 16 | 2 | 0 | 0 | 0 | 0 | 0 |
| 22 | 20.0 | 3.5 | 10.2 | 8 | 15 | 24 | 24 | 20 | 12 | 8 | 0 | 0 | 0 | 0 | 0 |
| 23 | 20.3 | 6.0 | 12.7 | 9 | 16 | 24 | 24 | 24 | 16 | 9 | 0 | 0 | 0 | 0 | 0 |
| 24 | 12.8 | 6.1 | 9.0 | 13 | 10 | 24 | 24 | 24 | 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 14.6 | 5.1 | 8.9 | 7 | 11 | 24 | 24 | 24 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 18.1 | 7.0 | 11.2 | 9 | 14 | 24 | 24 | 24 | 13 | 5 | 0 | 0 | 0 | 0 | 0 |
| 27 | 17.0 | 6.3 | 10.2 | 9 | 13 | 24 | 24 | 24 | 11 | 3 | 0 | 0 | 0 | 0 | 0 |
| 28 | 17.0 | 0.9 | 8. 2 | 6 | 11 | 24 | 24 | 16 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | — | — | — | — | — | 672 | 672 | 643 | 370 | 119 | 0 | 0 | 0 | 0 | 0 |
| Mean | 17.5 | 5.1 | 10.4 | 9.1 | 13.2 | 24 | 24 | 23 | 13.2 | 4.2 | 0 | 0 | 0 | 0 | 0 |

Highest maximum at 2 metres 20.3 °C on 23 rd. Highest minimum at 2 metres 7.6 °C on 13 th.
Lowest " " " 12.8 °C on 24 th. Lowest " " " 0.9 °C on 28 th.
Absolute minimum temperature at 5 cms. above dry soil —3.1 °C on 28 th.
" " " " " wet soil —1.6 °C on 28 th.
" " " " " grass —4.5 °C on 28 th.

## TABLE C 2.—WIND SPEED, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, (SOLAR + SKY) RADIATION, SUNSHINE DURATION, EVAPORATION AND RAINFALL

### GIZA — FEBRUARY 1959.

| Date | Wind speed metres per second | | | Solar + sky radiation gm. cal./cm² | Duration of bright sunshine in hours | | | Relative humidity hours of duration | | Relative humidity % | | Vapour pressure in millimetres | | Evaporation in millimetres | | Amount of rainfall in millimetres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean of the day | Night time mean | Day time mean | | Total actual | Total possible | Percentage % | >90 % | >80 % | Mean of the day | at 1200 U.T. | Mean of the Day | at 1200 U.T. | Piche | Pan class (A) | |
| 1 | 3.0 | 2.4 | 3.8 | 377 | 10.1 | 10.8 | 94 | 2 | 4 | 75 | 46 | 6.7 | 6.7 | 6 | 3.46 | 0 |
| 2 | 1.5 | 0.4 | 3.0 | 327 | 9.1 | 10.8 | 84 | 4 | 8 | 71 | 37 | 6.2 | 5.6 | 7 | 4.51 | 0 |
| 3 | 2.5 | 1.2 | 4.2 | 348 | 9.6 | 10.8 | 89 | 0 | 7 | 71 | 42 | 6.6 | 6.4 | 9 | 5.85 | 0 |
| 4 | 2.1 | 1.4 | 3.0 | 300 | 8.3 | 10.8 | 77 | 5 | 11 | 78 | 49 | 7.3 | 7.6 | 6 | 3.91 | 0 |
| 5 | 2.3 | 0.8 | 4.4 | 304 | 6.3 | 10.9 | 58 | 8 | 9 | 74 | 53 | 7.4 | 7.9 | 10 | 5.98 | 0 |
| 6 | 4.0 | 2.9 | 5.4 | 367 | 7.8 | 10.9 | 72 | 0 | 0 | 59 | 27 | 4.6 | 8.4 | 10 | 4.95 | 0 |
| 7 | 2.0 | 1.4 | 2.8 | 278 | 5.8 | 10.9 | 53 | 2 | 8 | 79 | 53 | 6.8 | 7.1 | 5 | 2.10 | 0 |
| 8 | 1.4 | 0.8 | 2.2 | 342 | 8.7 | 10.9 | 80 | 5 | 10 | 76 | 47 | 7.3 | 6.9 | 5 | 3.84 | 0 |
| 9 | 1.9 | 1.0 | 3.1 | 372 | 10.2 | 11.0 | 93 | 8 | 9 | 67 | 34 | 6.1 | 5.3 | 10 | 5.49 | 0 |
| 10 | 3.1 | 2.1 | 4.5 | 393 | 10.3 | 11.0 | 94 | 1 | 4 | 62 | 36 | 5.6 | 5.1 | 10 | 5.70 | 0 |
| 11 | 1.9 | 1.8 | 2.0 | 328 | 7.3 | 11.0 | 66 | 6 | 11 | 79 | 46 | 6.9 | 7.0 | 5 | 3.41 | 0 |
| 12 | 1.4 | 0.8 | 2.4 | 361 | 9.7 | 11.0 | 88 | 1 | 11 | 79 | 41 | 7.2 | 6.0 | 6 | 3.89 | 0.2 |
| 13 | 1.5 | 0.5 | 2.8 | 283 | 5.2 | 11.0 | 47 | 2 | 13 | 80 | 48 | 7.8 | 7.2 | 4 | 2.39 | 0.8 |
| 14 | 2.6 | 1.1 | 4.7 | 348 | 7.8 | 11.1 | 70 | 2 | 11 | 80 | 44 | 6.8 | 5.4 | 7 | 4.72 | 3.4 |
| 15 | 2.5 | 2.5 | 2.5 | 257 | 2.9 | 11.1 | 26 | 11 | 14 | 89 | 55 | 7.0 | 6.6 | 2 | 2.27 | 0.4 |
| 16 | 1.4 | 0.4 | 2.7 | 382 | 8.6 | 11.2 | 77 | 7 | 10 | 79 | 48 | 6.9 | 6.3 | 6 | 3.63 | 0.2 |
| 17 | 1.6 | 1.1 | 2.2 | 269 | 3.5 | 11.2 | 31 | 0 | 12 | 77 | 44 | 6.8 | 6.4 | 4 | 3.01 | tr. |
| 18 | 1.2 | 0.5 | 2.2 | 420 | 9.7 | 11.2 | 87 | 1 | 9 | 63 | 39 | 5.7 | 5.5 | 6 | 2.62 | 0 |
| 19 | 1.2 | 0.3 | 2.5 | 221 | 3.6 | 11.2 | 32 | 0 | 6 | 71 | 54 | 7.0 | 7.3 | 4 | 2.97 | tr. |
| 20 | 1.1 | 0.5 | 2.0 | 305 | 6.4 | 11.3 | 57 | 8 | 12 | 80 | 49 | 6.9 | 6.0 | 4 | 3.18 | 0·4 |
| 21 | 1.2 | 0.4 | 2.3 | 343 | 8.8 | 11.3 | 78 | 3 | 8 | 81 | 50 | 7.2 | 6.5 | 5 | 3.39 | 0 |
| 22 | 0.8 | 0.3 | 1.6 | 423 | 10.0 | 11.3 | 88 | 4 | 9 | 69 | 44 | 6.3 | 6.4 | 6 | 4.57 | 0 |
| 23 | 2.3 | 1.1 | 4.0 | 441 | 10.3 | 11.4 | 90 | 0 | 0 | 57 | 37 | 6.2 | 6.1 | 10 | 6.64 | 4.4 |
| 24 | 2.5 | 2.1 | 3.1 | 298 | 5.2 | 11.4 | 46 | 2 | 5 | 76 | 51 | 5.9 | 5.1 | 8 | 4.18 | 0 |
| 25 | 1.7 | 1.0 | 2.8 | 226 | 1.8 | 11.4 | 16 | 0 | 4 | 76 | 48 | 6.1 | 5.4 | 5 | 2.62 | 0.2 |
| 26 | 2.0 | 1.1 | 3.3 | 349 | 6.5 | 11.4 | 57 | 0 | 10 | 72 | 45 | 6.7 | 6.0 | 6 | 3.75 | 0.3 |
| 27 | 2.3 | 0.6 | 4.7 | 318 | 6.2 | 11.5 | 54 | 2 | 13 | 86 | 50 | 7.3 | 6.5 | 6 | 3.57 | 0.1 |
| 28 | 1.1 | 0.6 | 1.8 | 435 | 10.4 | 11.5 | 90 | 4 | 9 | 69 | 38 | 5.4 | 4.9 | 5 | 3.46 | 0 |
| Total ... | — | — | — | 9415 | 210.1 | 311.3 | 1894 | 88 | 237 | — | — | — | — | 177 | 110.06 | 10.4 |
| Mean... | 1.9 | 1.1 | 3.1 | 336.2 | 7.5 | 11.1 | 68 | 3.1 | 8.5 | 74 | 45 | 6.6 | 6.2 | 6.3 | 3.93 | 0.4 |

Maximum amount of rainfall in one day ..... ..... 4.4 mms. on 23rd.
Lowest value of relative humidity ..... ..... 24 % on 6th.
Highest „ „ vapour pressure ..... ..... 8.6 mms. on 27th
Lowest „ „ „ „ ..... ..... 3.4 mms. on 6th.

## TABLE C 3.—EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

### GIZA — FEBRUARY 1959

| Depth in cms. | Dry soil | | Wet soil | | Grass | |
|---|---|---|---|---|---|---|
| | Highest °C | Lowest °C | Highest °C | Lowest °C | Highest °C | Lowest °C |
| 0.3 | 37.8 | 0.0 | 22.8 | 2.2 | 22.3 | 0.2 |
| 1 | 33.9 | 0.7 | 22.4 | 2.8 | — | — |
| 2 | 30.9 | 2.8 | 21.9 | 3.1 | — | — |
| 5 | 25 3 | 7.4 | 19.1 | 5.3 | 17.0 | 7.0 |
| 10 | 20.0 | 12.2 | 16.5 | 8.1 | 15.0 | 8.1 |
| 20 | 15.7 | ~~16.0~~ "12.7" | 14.9 | 10.0 | 14 3 | 10.7 |
| 50 | 18.0 | 17.1 | 14.0 | 12 8 | 14.5 | 13.9 |
| 100 | 20.3 | 19.3 | 15.7 | 15.0 | 16 6 | 15.6 |
| 200 | 23.2 | 21.9 | 18·7 | 17.6 | — | — |
| 300 | 24.6 | 23.9 | — | — | — | — |

## TABLE C 4.—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES REACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

### GIZA — FEBRUARY 1959

| | | | |
|---|---|---|---|
| 10 Knots or more ... | 22 Days | 30 Knots or more ... | 0 Days. |
| 15 „ „ ... | 6 „ | 35 „ „ ... | 0 „ |
| 20 „ „ ... | 2 „ | 40 „ „ ... | 0 „ |
| 25 „ „ ... | 0 „ | The highest gust 31 knots on 24th. | |

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# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 3

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## MARCH, 1959

MINISTRY OF WAR–METEOROLOGICAL DEPARTMENT
CAIRO–EGYPT

UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 3

## MARCH, 1959

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CAIRO–EGYPT

# CONTENTS

PAGE

General Summary of Weather Conditions ... ... ... ... ... ... ... 135-137

**Surface Data**

TABLE A 1.—Monthly Mean Values of Atmospheric Pressure, Air Temperature and Relative Humidity at Fixed Hours. ... ... ... ... ... ... ... ... 138,139

" A 2.—Maximum and Minimum Air Temperatures (°C)... ... ... ... ... ... 140,141

" A 3.—Rainfall, Snow, Bright Sunshine, Cloudiness and Evaporation ... ... 142,143

" A 4.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... 144

" A 5.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... ... ... ... 145-147

" A 6.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed within Specified Ranges at the Synoptic Hours. ... ... ... 148-180

**Upper Air Data**

TABLE B 1.—Upper Air Climatological Data ... ... ... ... ... ... ... ... ... 181-184

" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air... ... ... ... ... ... ... 185,186

" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. 187-194

**Agro-Meteorological Data**

Review of Agro-Meteorological Station at Giza ... ... ... ... ... ... ... ... 195

TABLE C 1.—Air Temperature at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 cms. above Ground on Different Fields ... ... ... 196

" C 2.—Wind Speed, Relative Humidity and Vapour Pressure at 2 Metres above the Ground, (Solar + Sky) Radiation, Sunshine Duration, Evaporation and Rainfall. ... ... ... ... ... ... ... ... ... ... 197

" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields. 198

" C 4.—Number of Days of Surface Wind Speed at 10 Metres Reaching Specified Limits of Velocity for at Least 5 Minutes ... ... ... ... ... ... ... 198

Note : Refer to volume 2 number 1 for the list of stations appearing in the report and for explanatory notes on the tables.

# GENERAL SUMMARY OF WEATHER CONDITIONS

## MARCH 1959

**Pronounced warmth round the 2nd week, cold with occasional rain otherwise. Subnormal rainfall**

### THE MAIN FEATURES

—A prevailing warm interval round the 2nd week.

—A prevailing cold and occasionally rainy period most of the 1st week.

—Subnormal rainfall in general associated with snow in the Northern Region.

—Four travelling secondary depressions over the East Mediterranean.

### GENERAL DESCRIPTION OF WEATHER

During the 1st week a cold wave prevailed over both Regions of the Republic, rather mild in the Southern Region (deviations of temperature below normal ranged between 2 and 4°C.) and intense in the Northern Region (deviations of temperature below normal ranged between 5 and 10°C). Occasional rain of variant intensities fell over most districts of the Northern Region and the Mediterranean and Lower Egypt districts of the Southern Region. Showers of snow were frequent over the Northern Region.

This prevailing cold wave was followed by a pronounced warm interval which ended round the 15th. Deviations of temperatures above normal values were round (3-6°C) over the coastal districts and round (5-10°C) over the far inland and desert districts. Maximum deviations were observed within the period (14th-16th).

The rest part of the month was characterized by mild weather, scattered occasional rain over the Northern Region and the northern parts of the Southern Region, and a minor short period round 28th and 29th. Rainfall over the Northern Region was associated by thunderstorms during the 21st and 22nd.

The monthly district station ground barometric pressure was slighlty above normal over districts of both Regions where its departure ranged between 1.5 mb and 2.5 mb in general.

The monthly district relative humidity was slightly above normal over the Mediterranean, Lower Egypt, Cairo Area and Upper Egypt districts of the Southern Region and over the Desert district of the Northern Region, but was slightly below normal elsewhere. Departures from normal values ranged in both cases between (1% and 5%)

The monthly district maximum temperature was slightly below normal (—0.5 to—1.5°C) over districts of both Regions. The monthly district minimum temperature was similarly slightly below normal (—0.2 to—1.5°C) excluding El Gezeira district of the Northern Region where it was slightly above its normal (+1.4°C).

The monthly district rainfall was generally below normal over all districts of both Regions excluding the Desert and the North Eastern districts of Northern Region where it exceeded its normal values. Rainfall was deficient in particular over the Coastal district of the Northern Region (—30.3 mms.)

The mean daily relative humidity for the month was 70% at Jableh, 66% at Aleppo, 58% at Damascus, 74% at Homs, 58% at Deir Zzzor and 65% at Qamishlie of the Northern Region ; while it was 68% at Mersa Matruh, 66% at Alexandria, 72% at Port Said, 64% at Tanta, 63% at Cairo, 57% at Almaza, 54% at Minya, 38% at Asyout, 40% at Luxor, 46% at Siwa and 49% at Suez of the Southern Region.

### PRESSURE DISTRIBUTION

During this month, the 500 mb. pattern was characterized by two planetary waves separated by a minor block extending from north Balkans southwards towards Tunisia. The major planetary wave was over the Atlantic west of the British Isles and was associated on the surface by a deep Atlantic low pressure system, while the second, the relatively minor wave appeared over the Black Sea as a distorted reflection of the surface monsoon low pressure trough over Iraq and Persia.

**Secondary and orographic depressions** developed over west Mediterranean in general and North Italy respectively during the NE transit of the Atlantic depressions through Europe. On the 7th the 1st orographic depression during this month appeared over Italy on the trailing cold front of the deep northern primary system which was reflected aloft to the 500 mb. level. It proceeded NE wards and reached the Black Sea on the 9th when another Atlantic low pressure system approached West Europe. Accordingly a second secondary complex depression developed over West Mediterranean. Up till the 10th the barometric pressure over East Mediterranean was generally above normal and the Siberian Anticyclone over Urasia operated over East Mediterranean.

The above secondary complex depression proceeded eastwards and occupied Central Mediterranean on the 11th where it deepened appreciably and extended Southeastwards towards East Mediterranean. On the same day the Sudan trough oscillated northwards and East Mediterranean as an adjusted area of cyclogenesis was occupied by a relatively deep secondary depression which reached Cyprus on the 12th and filled up next day. On the 13th, the main secondary Central Mediterranean depression deepened considerably and enlarged in area. Shallow depressions developed at its foot over Cyrenica. The whole system proceeded eastwards and on the 16th it traversed the East Mediterranean coastal area towards Iraq where it caused a second fall below normal in the barometric pressure.

During the rest part of the month, high pressure over Urasia operated southwards over the Mediterranean and North Africa. The barometric pressure over East Mediterranean exceeded its normal to a moderate extent (3-6 mbs) with the exception of two short periods round (19th-20th) and (27th-29th), during which shallow coastal secondary depressions traversed East Mediterranean rapidly. These secondary depressions were formed over Tunisia in advance of the relatively deep South Atlantic low pressure systems west Spain. It is worth to mention that during last two short periods the Sudan trough shaved a northward elongation and a relatively deep low was formed over NW Arabia.

## SURFACE WIND

### NORTHERN REGION

The prevailing winds were light/moderate in general all over the Region. Fresh winds were reported on the 12th and 17th over the Coastal, Western Inland and Desert districts. The winds were blowing mostly from the north and the NE directions over the North Eastern and El Gezeira districts while it was mainly between SWly and NWly elsewhere.

Gales were reported at Damascus on the 13th and 16th; at Aleppo on the 17th; at Hama on the 16th; at Kharabo on the 1st, 13th & 16th and at Meselmiyie on the 16th, 17th 18th, 26th and 31st

### SOUTHERN REGION

*The prevailing winds during this month were generally light/moderate NWly.* Over the Mediterranean and Lower Egypt districts, N/NE component was observed round the periods (8th—11th), 14th, 28th, and 31st, while fresh/strong winds were frequent round the periods 4th, 12th, 22nd and 29th. Over the Red Sea district, fresh/strong winds prevailed most of the first and third weeks.

*Light variable or calms were frequent over Upper Egypt during the night and early morning intervals.*

*Gales were reported at, Sallum on the 11th, Sidi Barrani on the 29th, Abu Sueir on the 22nd, Hurghada on the 21st, and at Quseir on the 18th & 19th.*

## TEMPERATURE

A Survery of the daily maximum temperatures during the month, at many selected and representative stations of the Republic, showed a pronounced warmth *round the period (10th - 16th)*; with two marked thermal climaxes; the major round days (14th, 15th and 16th).

*Apart from the above indicated period and from the slight heating on the 28th and 29th, maximum temperature was below its normal in general, though its* departure was considerable (5-10°C) in the Northern Region.

Minimum temperature oscillations round normal during this month showed generally material deviation from the maximum temperature monthly trend.

The obsolute maximum temperature for the Northern Region was 33.3°C at Abo Kamal on the 16th, while its value for the Southern Region was 40.5°C at Aswan on the 15th.

The obsolute minimum temperature for the Northern Region was—11.5 °C at J. El Tanf (Desert district) on the 3rd while its corresponding value for the Southern Region was—2.8 °C at Dakhla on the 1st.

## PRECIPITATION

Rainfall was subonrmal in general over the Southern Region. In the Northern Region, the southern parts of the Western Inland district, El Gezeira and North Eastern districts received slightly high rainfall amounts, though elsewhere rainfall was subnormal and deficient.

Rainy periods over the Northern Region were mostly round periods (1st-5th), 12th, (17th-22nd) and 29th. During the 1st period it was in the form of snow-fall over the North Eastern district, the Desert district and the high ground areas of the Western Inland district, and the maximum daily rainfall was reported at Ein Dewar where 34.6 mms. fell on the 4th. On the 12th light rainfall was reported over scattered high level stations of the Coastal district and the northern parts of the Western Inland district. During the 3rd period precipitation was light in general though heary frontal rainfall was reported all over the Region between the 21st and 22nd. On the 29th light rain fell over the Region.

The Coastal, the middle part of the the Western Inland district, and the North Eastern district, reported the greatest monthly amounts. The maximum rainfall during 24 hours was 79.0 mms. at Safita on the 22nd.

Rain fell over the Southern Region round the periods (1st-7th), (21st-22nd) and 25th. It was confined to scattered parts of the Mediterranean and the Lower Egypt districts.

The maximum monthly rainfall for the Southern Region was 20.8 mms. at Damietta while the maximum fall in 24 hours was 7.8 mms. also at Damietta on the 24th.

## MISCELLANEOUS WEATHER PHENOMENA

### NORTHERN REGION

**Hail** fell over Kharabo on the 21st.

**Snow** fell over, Damascus on the 2nd, & 4th, Aleppo on the 2nd & 3rd, Palmyra on the 1st, Deir Ezzor on the 22nd, and over Qasmishlie on the 1st, 2nd, 4th & 5th.

**Thunderstroms** occurred at, Qamishlie on the 18th, Jableh, Damascus & Hama on the 21st, and at Palmyra on the 22nd.

**Fog patches** developed at, Aleppo on the 22nd, Hama on the 30th, Qamishlie on the 5th, 6th & 7th, and at Tell Tamer on the 7th.

**Mist Patches** developed at, Damascus on the 5th & 10th and at Aleppo on the 3rd.

**Sand or duststorms** blew over Deir Ezzor on the 12th & 13th.

**Local rising sand or dust** was reported at, Aleppo on the 12th & 15th ; Palmyra on the 3rd, 13th, 17th & 21st ; Deir Ezzor on the 15th & 16th ; and at Raqqa on the 12th, 13th, 15th, 17th & 18th.

### SOUTHERN REGION

**Fog patches** developed at, Mersa Matruh on the 11th ; Alexanria on the 8th & 12th ; El Arish on the 15th ; Abu Sueir on the 8th, 11th & 16th ; Almaza on the 15th ; and at Mostafa Helmi on the 10th & 11th.

**Mist patches** developed at, Sallum on the 6th ; Mersa Matruh on the 15th; Alexandria on the 27th ; El Arish on the 8th, 9th, 10th, 11th & 14th ; Abu sueir on the 7th & 18th ; Cairo on the 2nd, 3rd, 6th, 7th, 8th, (18th-21st), 25th, 26th & 30th ; Mostafa Helmi on the 8th ; and at Quseir on the 12th & 13th.

**Sand or duststorms** blew over Abu Sueir on the 22nd and over Hurghada on the 21st.

**Local rising sand or dust** was reported at, Sallum on the 11th ; Sidi Barrani on the 29th ; El Arish on the 1st, 4th, 12th & 22nd ; Abu Sueir on the 1st, 4th, 12th & 29th ; Cairo on the 15th & 29th ; Almaza on the 15th & 29th ; Mostafa Helmi on the 4th, 10th, 22nd & 29th ; Asyout on the 29th ; Aswan on the 30th ; Hurghada on the 19th ; and at Quseir on the 7th.

M. F. TAHA

*Director General*

*Meteorological Department*

*Cairo : November 1960*

## TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

### MARCH 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative Humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh ... (A) ... | 12 | 1013.9 | — | 1014.3 | — | 1013.8 | — | 1014.3 | — | 11.0 | —0.6 | 12.7 | +0.1 | 16.3 | —1.0 | 13.7 | —0.3 | 75 | 0 | 72 | 0 | 61 | — 1 | 70 | —1 |
| | Bouka ... ... ... | 50 | — | — | — | — | — | — | — | — | 10.4 | — | 13.3 | — | 17.3 | — | 12.6 | — | 70 | — | 66 | — | 60 | — | 71 | — |
| | Tartous ... ... ... | 15 | — | — | — | — | — | — | — | — | 10.9 | — | 13.5 | — | 16.5 | — | 13.0 | — | 72 | — | 69 | — | 57 | — | 74 | — |
| WESTERN INLAND | Damascus (A) ... | 724 | 932.0 | +1.7 | 932.8 | +1.8 | 931.7 | +2.0 | 932.2 | +2.1 | 7.0 | —1.1 | 9.2 | —1.8 | 15.4 | —1.8 | 10.1 | —1.4 | 69 | +3 | 63 | +1 | 40 | — 4 | 59 | +4 |
| | Aleppo ... (A) ... | 391 | 969.4 | +2.1 | 970.2 | +2.6 | 968.7 | +1.7 | 969.6 | +2.4 | 5.5 | —1.3 | 8.0 | —0.4 | 15.2 | +0.1 | 9.8 | —0.5 | 81 | 0 | 75 | —2 | 44 | —13 | 64 | —7 |
| | Hama ... ... (A) ... | 313 | 977.8 | — | 978.6 | — | 977.2 | — | 978.1 | — | 7.1 | — | 8.4 | — | 16.0 | — | 10.7 | — | 83 | — | 85 | — | 45 | — | 66 | — |
| | Homs ... ... ... ... | 487 | — | — | — | — | — | — | — | — | 5.5 | —2.2 | 9.0 | —0.2 | 14.5 | —0.7 | 8.2 | —1.3 | 87 | +8 | 77 | 0 | 52 | + 7 | 79 | +4 |
| | Kharabo ... ... ... | 620 | — | — | — | — | — | — | — | — | 4.7 | — | 9.8 | — | 16.6 | — | 9.7 | — | 83 | — | 65 | — | 42 | — | 59 | — |
| | Salamiyie ... ... ... | 500 | — | — | — | — | — | — | — | — | — | — | 8.7 | — | 15.2 | — | 8.5 | — | — | — | 78 | — | 52 | — | 78 | — |
| | Meselmiyie ... ... ... | 425 | — | — | — | — | — | — | — | — | — | — | 9.9 | — | 15.6 | — | 10.2 | — | — | — | 61 | — | 41 | — | 64 | — |
| | Fiq ... ... ... ... | 337 | 976.6 | — | 976.8 | — | 975.6 | — | 976.3 | — | 9.4 | — | 10.1 | — | 15.0 | — | 12.1 | — | 75 | — | 77 | — | 60 | — | 69 | — |
| | Tell Shihab ... ... | 250 | — | — | — | — | — | — | — | — | 5.1 | — | 10.2 | — | 16.7 | — | 9.9 | — | 88 | — | 80 | — | 55 | — | 79 | — |
| DESERT | Palmyra ... (A) ... | 404 | 969.2 | — | 970.1 | — | 968.5 | — | 968.6 | — | 7.9 | — | 8.3 | —1.1 | 16.0 | —3.1 | 12.3 | —1.9 | 78 | 0 | 80 | +9 | 39 | 0 | 53 | +2 |
| EL GEZIRA | Deir Ezzor (A) ... | 204 | 992.4 | — | 993.4 | — | 991.8 | — | 992.1 | — | 8.2 | +0.9 | 9.5 | —0.5 | 17.8 | —0.3 | 12.8 | —0.6 | 71 | —2 | 71 | 0 | 38 | —8 | 52 | —8 |
| | Raqqa ... ... ... | 251 | 985.3 | — | 986.0 | — | 983.8 | — | 985.0 | — | 7.2 | — | 7.6 | — | 16.9 | — | 12.5 | — | 74 | — | 77 | — | 36 | — | 54 | — |
| NORTH EASTERN | Qamishlie (A) ... | 466 | 962.3 | +1.9 | 963.1 | +1.6 | 961.9 | +1.5 | 962.6 | +1.8 | 7.1 | —0.7 | 8.4 | —1.7 | 13.2 | —2.1 | 8.9 | —1.5 | 71 | — 5 | 71 | —1 | 52 | —4 | 65 | —5 |
| | Tell Tamer... ... ... | 335 | — | — | — | — | — | — | — | — | 6.2 | — | 7.7 | — | 15.1 | — | 10.0 | — | 84 | — | 81 | — | 44 | — | 72 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum... ... ... ... | 04 | 1017.7 | — | 1018.0 | +2.6 | 1017.2 | +2.4 | 1017.4 | +2.5 | 13.5 | — | 13.5 | —1.0 | 19.5 | —0.3 | 15.7 | —0.2 | 63 | — | 61 | —2 | 43 | —4 | 63 | +1 |
| | Sidi Barrani ... ... | 21 | 1015.0 | +2.6 | 1015.3 | +2.7 | 1015.0 | +2.8 | 1014.9 | +2.7 | 12.3 | —0.1 | 13.4 | 0.0 | 18.3 | —0.1 | 14.9 | —0.1 | 71 | +3 | 66 | 0 | 56 | +4 | 70 | +4 |
| | Mersa Matruh (A) ... | 31 | 1014.0 | +2.1 | 1014.3 | +2.2 | 1013.8 | +2.2 | 1014.2 | +2.2 | 11.6 | —0.4 | 13.4 | —0.6 | 18.5 | —0.2 | 14.4 | —0.4 | 77 | +4 | 71 | +5 | 52 | +1 | 71 | +2 |
| | Dabaa ... ... ... ... | 17 | 1015.9 | — | 1016.2 | — | 1015.1 | — | 1015.4 | — | 11.3 | — | 13.6 | —0.3 | 18.1 | —0.5 | 14.7 | —0.1 | 84 | — | 72 | +4 | 55 | +6 | 72 | +4 |
| | Alexandria (A) ... | —3 | 1018.2 | +2.6 | 1018.6 | +2.5 | 1018.0 | +2.5 | 1018.5 | +2.6 | 13.4 | +0.2 | 14.9 | —0.1 | 19.7 | 0.0 | 15.0 | 0.0 | 70 | —8 | 69 | —2 | 55 | +4 | 68 | —5 |
| | Dekheila (A) ... | 01 | 1017.7 | — | 1018.0 | +2.1 | 1017.5 | +2.2 | 1017.8 | — | 13.4 | — | 14.6 | —1.0 | 18.1 | —1.1 | 15.1 | — | 72 | — | 68 | —5 | 58 | —3 | 69 | — |
| | Damietta ... ... ... | 03 | 1017.2 | — | 1017.6 | +2.2 | 1016.8 | +1.9 | 1017.7 | +2.3 | 12.0 | — | 14.5 | —1.4 | 17.9 | —0.4 | 15.0 | +0.2 | 80 | — | 79 | +5 | 63 | +3 | 76 | —1 |
| | Port Said (A) ... | 01 | 1017.0 | +1.7 | 1017.3 | +1.5 | 1016.6 | +1.5 | 1017.3 | +1.8 | 12.2 | —0.7 | 15.0 | —0.7 | 17.7 | —1.1 | 15.4 | —0.9 | 77 | 0 | 75 | +3 | 62 | +2 | 72 | 0 |
| | El Arish ... ... ... | 10 | 1015.1 | +2.1 | 1015.5 | +1.4 | 1014.4 | +1.1 | 1015.3 | +1.4 | 12.0 | —0.6 | 14.3 | —1.4 | 18.3 | —0.9 | 14.9 | —1.0 | 85 | +7 | 73 | +6 | 58 | —1 | 76 | +4 |
| | Ghazza ... ... ... | 10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE A 1.—(*continued*)—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

MARCH 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Southern Region** (*contd*). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... | 06 | 1016.3 | — | 1017.3 | +1.6 | 1016.4 | +2 1 | 1017.2 | +1.6 | 10.6 | — | 15.1 | +0.9 | 20.2 | —0.1 | 13.7 | —0.2 | 87 | — | 75 | —1 | 48 | +1 | 78 | +4 |
| | Mansoura ... ... ... | 08 | 1016.2 | — | 1017.0 | +2.3 | 1015.8 | +2.0 | 1016.6 | +1.9 | 10.3 | — | 14.3 | +0.1 | 20.8 | —0.3 | 15.4 | +0.9 | 80 | — | 74 | —1 | 44 | +2 | 69 | —1 |
| | Tanta ... ... ... ... | 14 | 1015.9 | — | 1016.2 | +1.2 | 1015.1 | +1.6 | 1016.0 | +1.6 | 9.5 | — | 13.6 | —0.4 | 21.2 | —1.2 | 13.3 | —1.2 | 86 | — | 75 | —3 | 42 | —2 | 75 | +1 |
| | Shebin el Kom ... | 12 | 1016.1 | — | 1016.4 | +1.6 | 1015.1 | +1.5 | 1016.1 | +1.6 | 11.5 | — | 12.7 | —0.6 | 20.6 | —1.9 | 14.1 | —0.7 | 85 | — | 83 | +9 | 47 | +9 | 72 | +5 |
| | Zagazig ... ... ... | 12 | 1017.0 | — | 1016.9 | +1.9 | 1015.2 | +1.6 | 1016.4 | +1.9 | 10.1 | — | 12.7 | —1.9 | 21.2 | —1.4 | 15.0 | —0.1 | 87 | — | 81 | +5 | 42 | —3 | 73 | 0 |
| | Zaher (A) ... | 30 | 1013·0 | — | 1013·2 | — | 1011·6 | — | 1012.9 | — | 11.7 | — | 13.9 | — | 21.3 | — | 15.6 | — | 78 | — | 68 | — | 35 | — | 60 | — |
| | Wadi el Natrun ... | —1 | 1018.1 | — | 1018.3 | +2.6 | 1016.6 | +2.6 | 1017.8 | +2.7 | 12.1 | — | 13.8 | —0.4 | 21.8 | —1.2 | 16.5 | —1.2 | 74 | — | 70 | +3 | 32 | 0 | 56 | +3 |
| | Abu Sueir (A) ... | 14 | 1015.5 | — | 1016.0 | — | 1014·0 | — | 1015.5 | — | 11.3 | — | 13.5 | — | 21.5 | — | 15.6 | — | 84 | — | 73 | — | 36 | — | 62 | — |
| Cairo Area | Cairo (A) ... | 95 | 1005·9 | +1.7 | 1006.5 | +1.8 | 1005.0 | +1.2 | 1006.0 | +1.6 | 12.3 | —1.3 | 14.0 | —0.8 | 21.2 | —1.4 | 16.2 | —1.3 | 79 | +9 | 71 | +6 | 40 | +5 | 62 | +7 |
| | Almaza (A) ... | 79 | 1007.5 | +1·6 | 1008.1 | +1·6 | 1006·5 | +1·3 | 1007.5 | +1·5 | 12.7 | —1.0 | 13.8 | —0.9 | 21.8 | —0.4 | 16.8 | —0.7 | 69 | +1 | 65 | +2 | 36 | +2 | 57 | +5 |
| | Abbasiya (H.Q.) ... | 33 | 1013·3 | — | 1013.9 | — | 1012.3 | — | 1013.1 | — | 12.5 | — | 15.0 | — | 21.9 | — | 16.7 | — | 77 | — | 64 | — | 35 | — | 57 | — |
| | Mostafa Helmi (A) ... | 163 | 997.9 | — | 998·5 | — | 997·3 | — | 998.0 | — | 11.5 | — | 13.2 | — | 20 4 | — | 15.7 | — | 77 | — | 67 | — | 32 | — | 55 | — |
| | Giza ... ... ... ... | 21 | 1015.2 | — | 1015.6 | +1.8 | 1014.1 | +1.7 | 1014.8 | +1.6 | 11.1 | — | 13.4 | —0.6 | 21.3 | —1.8 | 16.3 | —0.2 | 87 | — | 73 | 0 | 35 | —1 | 65 | +4 |
| | Helwan ... ... ... | 112 | — | — | 1004.7 | +1.2 | 1002.8 | +1.3 | 1003.8 | +1.5 | — | — | 13.7 | —0.5 | 21.2 | —1·3 | 17.0 | —1.1 | — | — | 66 | +5 | 34 | +6 | 52 | +9 |
| Upper Egypt | Fayoum ... ... ... | 30 | 1015.2 | — | 1015.5 | +2.1 | 1013.2 | +1.8 | 1013.2 | +1.2 | 11.0 | — | 15.5 | +1.0 | 23.8 | +0.2 | 17.8 | +0.6 | — | — | — | — | — | — | — | — |
| | Beni Suef ... ... ... | 28 | 1014.0 | — | 1014.4 | +1.6 | 1013.1 | +2.1 | 1013.3 | +2.0 | 10.4 | — | 13.1 | —2.4 | 23.5 | —1.1 | 16.2 | —1.0 | 86 | — | 77 | +23 | 38 | +9 | 64 | +14 |
| | Minya (A) ... | 39 | 1012.3 | +1.4 | 1013.4 | +1.6 | 1011.8 | +1.7 | 1011.7 | +1.6 | 10.2 | +0.2 | 12.8 | —0.6 | 24.3 | —0.6 | 16.5 | —0.1 | 70 | +6 | 67 | +5 | 28 | +2 | 53 | +4 |
| | Asyout (A) ... | 71 | 1007.9 | +2.1 | 1009.4 | +1.5 | 1007.2 | +1.5 | 1007.5 | +1.9 | 13.5 | —0.5 | 13.7 | —0.7 | 24.1 | —0.7 | 18.5 | —0.4 | 43 | 0 | 47 | —2 | 24 | +3 | 37 | +3 |
| | Nag Hammadi ... ... | 69 | 1007.7 | — | 1009.4 | +0.5 | 1006.6 | +0.6 | 1007.4 | +1.0 | 12.4 | — | 16.1 | +0.3 | 26.2 | +0.5 | 18.6 | +0.6 | — | — | 58 | +6 | 33 | +11 | 55 | +7 |
| | Qena ... ... ... ... | 73 | 1006.2 | — | 1008.4 | +1.4 | 1006.0 | +1.8 | 1006.3 | +1.3 | 12.1 | — | 18.3 | +1.2 | 27.2 | —1.2 | 19.4 | —0.8 | 46 | — | 45 | —5 | 25 | +1 | 42 | +2 |
| | Luxor (A) ... | 95 | 1004.0 | +0.9 | 1005.5 | +0.8 | 1003.1 | +0.9 | 1003.2 | +0.5 | 14.0 | —0.3 | 16.4 | —1.0 | 26.9 | —0.4 | 20.3 | —0.2 | 49 | +6 | 43 | +2 | 26 | +4 | 40 | +6 |
| | Aswan ... ... ... | 104 | 1001.8 | — | 1003.5 | +1.1 | 1000.7 | +1.2 | 1001.0 | +0.7 | 16.2 | — | 18.5 | +0.2 | 29.6 | +0.2 | 22.2 | —2.0 | 38 | — | 35 | —1 | 16 | —2 | 25 | +3 |
| Western Desert | Siwa ... ... ... ... | —15 | 1020.3 | +2.4 | 1021.2 | +2.4 | 1019.7 | +2 4 | 1019 0 | +1.9 | 11.8 | —0.6 | 11.2 | —1.3 | 23.2 | —0.3 | 18.2 | —0.4 | 56 | +4 | 63 | +3 | 26 | —2 | 37 | —1 |
| | Bahariya ... ... ... | 128 | 1002.3 | — | 1003.6 | +1.0 | 1001.8 | +0.6 | 1001 6 | —0.1 | 11.6 | — | 12.2 | —1.9 | 23.4 | —0.3 | 18.3 | +0.9 | 55 | — | 56 | —5 | 26 | —5 | 35 | —10 |
| | Farafra ... ... ... | 90 | 1009.0 | — | 1010.2 | +3.1 | 1008.6 | +3.0 | 1008.3 | +2.6 | 12.0 | — | 12.3 | —1.2 | 24.2 | —0.3 | 18.6 | +0.7 | 39 | — | 45 | —3 | 24 | —3 | 28 | —9 |
| | Dakhla ... ... ... | 110 | 1004.4 | — | 1005.6 | +3.2 | 1004.1 | +3.7 | 1003.8 | +2.8 | 9.8 | — | 12.9 | —1.9 | 25.4 | —0.5 | 18·5 | —2.4 | 38 | — | 39 | —4 | 17 | —6 | 26 | —1 |
| | Kharga ... ... ... | 72 | 1007.7 | — | 1008.9 | +0.5 | 1007.4 | +0.7 | 1007.1 | +0.3 | 13.1 | — | 15.9 | —1.0 | 26.9 | —0.3 | 18.9 | —1.7 | 40 | — | 45 | —2 | 20 | —9 | 31 | —4 |
| Red Sea | Suez ... ... ... ... | 05 | 1016.6 | — | 1017.3 | +2.3 | 1015.5 | +1.3 | 1016.3 | +2·0 | 13·3 | — | 15.3 | —0.4 | 21.9 | —0.6 | 18.1 | +0.1 | 63 | — | 63 | —4 | 35 | —5 | 50 | —8 |
| | Tor ... ... ... ... | 03 | 1014.9 | — | 1016.1 | +0.9 | 1014.3 | +0.5 | 1014.6 | +0.8 | 15.2 | — | 17.5 | —0.6 | 21.0 | —1.5 | 19.1 | —1.0 | 55 | — | 46 | —13 | 52 | —6 | 53 | —5 |
| | Hurghada ... ... ... | 01 | 1015.1 | +2.5 | 1016.5 | +2.0 | 1014.2 | +1.4 | 1014.8 | +1.7 | 14.4 | —0.6 | 17.8 | —0.5 | 22.4 | +0.4 | 18.5 | —1.2 | 49 | —8 | 43 | —7 | 40 | —15 | 51 | —6 |
| | Quseir ... ... ... | 08 | 1013.7 | — | 1015.1 | +1.0 | 1013.5 | +0.4 | 1013.8 | +0.7 | 16.9 | — | 19.8 | —1.2 | 22.4 | —1.0 | 19.5 | —1.5 | 53 | — | 45 | —2 | 52 | —5 | 58 | 0 |

# TABLE A 2.—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

## MARCH 1959

| District | Station | Maximum temperature | | Minimum temperature | | (A+B)/2 | Maximum temperature | | | | | | | | | Minimum temperature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean (A) | Deviation from normal | Mean (B) | Deviation from normal | | Highest | Date | Lowest | Date | Number of days with maximum temperature >25° | >30° | >35° | >40° | >45° | Highest | Date | Lowest | Date | Number of days with minimum temperature <10° | <5° | <0° | <-5° |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh (A) | 17.2 | — 1.0 | 9.4 | — 0.9 | 13.3 | 23.9 | 15 | 12·4 | 22 | 0 | 0 | 0 | 0 | 0 | 16.9 | 12 | 1.8 | 5 | 18 | 5 | 0 | 0 |
| Coastal | Bouka | 17.7 | — | 9.1 | — | 13.4 | 26.2 | 15 | 11.5 | 2 | 1 | 0 | 0 | 0 | 0 | 15.0 | 13 | 2.0 | 5 | 18 | 5 | 0 | 0 |
| Coastal | Tartous | 17.7 | — | 9.3 | — | 13.5 | 27.0 | 15 | 11.6 | 2 | 2 | 0 | 0 | 0 | 0 | 16.0 | 12 | 3.0 | 3 | 16 | 3 | 0 | 0 |
| Western Inland | Damascus (A) | 16.7 | — 1.1 | 4.3 | — 0.7 | 10.5 | 27.5 | 15 | 5.0 | 4 | 2 | 0 | 0 | 0 | 0 | 10.3 | 30 | — 2.5 | 3 | 30 | 18 | 5 | 0 |
| Western Inland | Aleppo (A) | 16.3 | + 0.3 | 3.5 | — 1.1 | 9·9 | 24.2 | 15 | 7.8 | 2 | 0 | 0 | 0 | 0 | 0 | 10.7 | 15 | — 4.7 | 8 | 28 | 16 | 6 | 0 |
| Western Inland | Hama (A) | 15.8 | — | 5.0 | — | 10.4 | 24.7 | 14 | 7.2 | 2 | 0 | 0 | 0 | 0 | 0 | 10.6 | 17 | — 2.5 | 5 | 29 | 11 | 5 | 0 |
| Western Inland | Homs | 15.2 | — 0.8 | 4.2 | — 1.0 | 9.8 | 22.5 | 14 | 4.0 | 2 | 0 | 0 | 0 | 0 | 0 | 9.5 | 31 | — 2.5 | 7 | 31 | 15 | 5 | 0 |
| Western Inland | Kharabo | 17.1 | — | 2.3 | — | 9.7 | 28.0 | 15 | 5.5 | 4 | 2 | 0 | 0 | 0 | 0 | 10.0 | 17,21 | — 7.0 | 3 | 29 | 24 | 8 | 1 |
| Western Inland | Salamiyie | 16.1 | — | 3.3 | — | 9·7 | 25.0 | 14 | 4.5 | 2 | 0 | 0 | 0 | 0 | 0 | 9.0 | 17 | — 5.0 | 7,8 | 31 | 14 | 7 | 0 |
| Western Inland | Meselmiyie | 17.0 | — | 3.3 | — | 10.2 | 24.2 | 15 | 8.4 | 2 | 0 | 0 | 0 | 0 | 0 | 10·0 | 30 | — 7.0 | 6·8 | 30 | 16 | 6 | 4 |
| Western Inland | Fiq | 16.6 | — | 7.6 | — | 12.1 | 25.9 | 14 | 8.1 | 4 | 2 | 0 | 0 | 0 | 0 | 13.0 | 16 | 0.5 | 3 | 24 | 6 | 0 | 0 |
| Western Inland | Tell Shihab | 17.7 | — | 3.8 | — | 10.8 | 29.0 | 15 | 8.5 | 1 | 4 | 0 | 0 | 0 | 0 | 10.0 | 13·18 | — 3.8 | 3 | 29 | 19 | 4 | 0 |
| Desert | Palmyra (A) | 18.7 | — 1.0 | 5.4 | — 1.3 | 12.1 | 25.8 | 16 | 6.4 | 4 | 2 | 0 | 0 | 0 | 0 | 11.0 | 3 | — 0.6 | 8 | 29 | 12 | 2 | 0 |
| El Gezira | Deir Ezzor (A) | 18.6 | — 0.4 | 6.3 | + 1.4 | 12.5 | 29.3 | 16 | 8.2 | 4 | 2 | 0 | 0 | 0 | 0 | 11.8 | 27 | — 1.7 | 8 | 25 | 11 | 3 | 0 |
| El Gezira | Raqqa | 17.8 | — | 5.3 | — | 11.6 | 26.3 | 15 | 6.9 | 1 | 1 | 0 | 0 | 0 | 0 | 12.6 | 21 | — 3.2 | 8 | 27 | 12 | 6 | 0 |
| North Eastern | Qamishlie (A) | 14.0 | — 1.5 | 5.6 | — 0.4 | 9.8 | 24.4 | 16 | 2.1 | 2 | 0 | 0 | 0 | 0 | 0 | 14.4 | 16 | — 2.2 | 8 | 26 | 11 | 5 | 0 |
| North Eastern | Tell Tamer | 15.6 | — | 4.1 | — | 9.9 | 26.5 | 16 | 5.0 | 2·4 | 1 | 0 | 0 | 0 | 0 | 10.0 | 16·21 | — 4.5 | 8 | 29 | 15 | 5 | 0 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum | 20.9 | — 0.3 | 11.3 | + 0.9 | 16.1 | 28.8 | 9 | 15.8 | 2·3 | 6 | 0 | 0 | 0 | 0 | 15.9 | 9 | 7.6 | 26 | 7 | 0 | 0 | 0 |
| Mediterranean | Sidi Barrani | 19.7 | — 0.1 | 10.7 | + 0.5 | 15.2 | 28.1 | 14 | 15.2 | 2 | 5 | 0 | 0 | 0 | 0 | 14.4 | 29 | 6.7 | 27 | 13 | 0 | 0 | 0 |
| Mediterranean | Mersa Matruh (A) | 19.6 | — 0.4 | 9.4 | — 0.5 | 14.5 | 29.4 | 14 | 15.8 | 2 | 1 | 0 | 0 | 0 | 0 | 12.8 | 21 | 6.8 | 27 | 22 | 0 | 0 | 0 |
| Mediterranean | Dabaa | 19.3 | — 1.0 | 9.3 | 0.0 | 14.3 | 27.0 | 14 | 16.4 | 2·3 | 1 | 0 | 0 | 0 | 0 | 12.8 | 20 | 5.5 | 28 | 19 | 0 | 0 | 0 |
| Mediterranean | Alexandria (A) | 20.5 | — 0.2 | 11.5 | + 0.3 | 16.0 | 28.4 | 14 | 17.0 | 4 | 2 | 0 | 0 | 0 | 0 | 14.5 | 18 | 7.3 | 28 | 8 | 0 | 0 | 0 |
| Mediterranean | Dekheila (A) | 19.1 | — 1.1 | 11.7 | — 0.4 | 15.4 | 25.2 | 29 | 16.1 | 4 | 1 | 0 | 0 | 0 | 0 | 14.4 | 25 | 7.3 | 28 | 6 | 0 | 0 | 0 |
| Mediterranean | Damietta | 18.2 | — 2.9 | 10.1 | — 1.1 | 14.2 | 25.5 | 15 | 14.1 | 4 | 1 | 0 | 0 | 0 | 0 | 14.6 | 29 | 6.2 | 6 | 17 | 0 | 0 | 0 |
| Mediterranean | Port Said (A) | 19.9 | 0.0 | 13.0 | — 0.5 | 16.4 | 26.5 | 15 | 17.0 | 1·2 | 1 | 0 | 0 | 0 | 0 | 15.4 | 15 | 8.8 | 1 | 3 | 0 | 0 | 0 |
| Mediterranean | El Arish | 20.1 | — 1.2 | 10.2 | — 0·6 | 15.2 | 33.0 | 12 | 15.5 | 2 | 2 | 1 | 0 | 0 | 0 | 14.0 | 21 | 5.8 | 3 | 13 | 0 | 0 | 0 |
| Mediterranean | Ghazza | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE A 2.—(*continued*)—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

MARCH 1959

| District | Station | Maximum temperature | | Minimum temperature | | (A + B) /2 | Maximum temperature | | | | | | | | | Minimum temperature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean (A) | Deviation from normal | Mean (B) | Deviation from normal | | Highest | Date | Lowest | Date | Number of days with maximum temperature | | | | | Highest | Date | Lowest | Date | Number of days with minimum temperature | | | |
| | | | | | | | | | | | >25° | >30° | >35° | >40° | >45° | | | | | <10° | <5° | <0° | <-5° |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour | 21.6 | — 1.0 | 8.8 | — 1.1 | 15.2 | 27.7 | 29 | 16.4 | 4·5 | 4 | 0 | 0 | 0 | 0 | 11.2 | 15 | 6.4 | 3 | 22 | 0 | 0 | 0 |
| | Mansoura | 22.1 | — 1.0 | 9.3 | — 0.3 | 15.7 | 28.5 | 15 | 17.5 | 4 | 4 | 0 | 0 | 0 | 0 | 12.5 | 20 | 5.7 | 1 | 18 | 0 | 0 | 0 |
| | Tanta | 22.3 | — 1.4 | 8.0 | — 0.1 | 15.2 | 28.3 | 15 | 17.7 | 4·5 | 6 | 0 | 0 | 0 | 0 | 10·5 | 20 | 4.4 | 3 | 27 | 1 | 0 | 0 |
| | Shebin el Kom | 21.6 | — 2.3 | 10.4 | + 1.2 | 16.0 | 26.4 | 29 | 16.7 | 3 | 2 | 0 | 0 | 0 | 0 | 13.2 | 12 | 6.6 | 3 | 10 | 0 | 0 | 0 |
| | Zagazig | 22.2 | — 1.6 | 9.1 | + 0.3 | 15.6 | 28.5 | 15.29 | 17.2 | 3 | 5 | 0 | 0 | 0 | 0 | 12.0 | 15·29 | 5.3 | 1 | 20 | 0 | 0 | 0 |
| | Zaher (A) | 22.5 | — | 9.8 | — | 16.2 | 29.0 | 15·29 | 18.1 | 3 | 6 | 0 | 0 | 0 | 0 | 14.5 | 12 | 5.4 | 3 | 16 | 0 | 0 | 0 |
| | Wadi el Natrun | 23.1 | — 1.7 | 9.7 | + 0.1 | 16.4 | 30.0 | 14 | 18.1 | 3 | 9 | 0 | 0 | 0 | 0 | 13.6 | 12 | 7.0 | 3 | 18 | 0 | 0 | 0 |
| | Abu Sueir (A) | 22.8 | — | 9.2 | — | 16.0 | 31.2 | 15 | 18.2 | 5 | 6 | 1 | 0 | 0 | 0 | 12.1 | 16 | 5.3 | 3 | 17 | 0 | 0 | 0 |
| Cairo Area | Cairo (A) | 22.2 | — 1.4 | 10.3 | — 0.8 | 16.2 | 28.4 | 29 | 17.0 | 3 | 6 | 0 | 0 | 0 | 0 | 15.0 | 12 | 5.7 | 3 | 14 | 0 | 0 | 0 |
| | Almaza (A) | 22.8 | — 0.6 | 10.7 | — 0.5 | 16.8 | 29.9 | 29 | 17.7 | 3 | 10 | 0 | 0 | 0 | 0 | 15.6 | 12 | 6.2 | 3 | 10 | 0 | 0 | 0 |
| | Abbasiya (H.Q) | 23.4 | — | 10.3 | — | 16.8 | 30.1 | 11 | 18.5 | 5 | 9 | 1 | 0 | 0 | 0 | 15.8 | 12 | 6.0 | 3 | 16 | 0 | 0 | 0 |
| | Mostafa Helmi (A) | 21.7 | — | 9.7 | — | 15.7 | 29.2 | 19 | 15.5 | 3 | 6 | 0 | 0 | 0 | 0 | 14.2 | 15 | 5.5 | 1 | 19 | 0 | 0 | 0 |
| | Giza | 22.8 | — 1.3 | 8.2 | 0.0 | 15.5 | 29.5 | 15 | 17.1 | 3 | 9 | 0 | 0 | 0 | 0 | 13.0 | 12 | 3.1 | 1 | 26 | 1 | 0 | 0 |
| | Helwan | 22.1 | — 1.6 | 10.8 | — 0.3 | 16.4 | 29.5 | 15 | 16.7 | 3 | 7 | 0 | 0 | 0 | 0 | 16.8 | 12 | 5.7 | 1 | 12 | 0 | 0 | 0 |
| Upper Egypt | Fayoum | 24.4 | — 0.5 | 9.3 | — 0.4 | 16.8 | 32.0 | 15 | 18.1 | 3 | 12 | 2 | 0 | 0 | 0 | 13.0 | 29 | 4.2 | 1 | 20 | 1 | 0 | 0 |
| | Beni Suef | 24.5 | — 0.5 | 8.1 | 0.0 | 16.3 | 32.6 | 15 | 19.0 | 3 | 12 | 2 | 0 | 0 | 0 | 13.4 | 12 | 2.8 | 1 | 25 | 4 | 0 | 0 |
| | Minya (A) | 25.2 | — 0.2 | 7.4 | — 0.4 | 16.3 | 35.0 | 15 | 19·8 | 4·5 | 14 | 4 | 0 | 0 | 0 | 12.2 | 16 | 0.3 | 1 | 26 | 4 | 0 | 0 |
| | Asyout (A) | 25.0 | — 1.5 | 10.0 | — 0.2 | 17.5 | 32.5 | 11·29 | 18.5 | 5 | 11 | 5 | 0 | 0 | 0 | 15.4 | 15 | 5.0 | 1 | 18 | 0 | 0 | 0 |
| | Nag Hammadi | 27.4 | + 0.3 | 9.1 | + 0.1 | 18.2 | 34.6 | 15 | 20.1 | 1 | 23 | 9 | 0 | 0 | 0 | 13.9 | 15 | 3.4 | 1 | 20 | 1 | 0 | 0 |
| | Qena | 28.7 | — 1.4 | 9.9 | — 1.3 | 19.3 | 36.0 | 10·14 | 21.0 | 1 | 25 | 12 | 3 | 0 | 0 | 15.5 | 16 | 2.6 | 1 | 13 | 1 | 0 | 0 |
| | Luxor (A) | 28.1 | — 1.0 | 10.1 | — 0.6 | 19.1 | 36.9 | 15 | 19.9 | 1 | 24 | 9 | 1 | 0 | 0 | 17.0 | 30 | 2.5 | 1 | 16 | 2 | 0 | 0 |
| | Aswan | 31.3 | + 0.9 | 12.8 | — 1.6 | 22.0 | 40.5 | 15 | 22.9 | 5 | 29 | 17 | 7 | 1 | 0 | 18.8 | 15 | 5.7 | 2 | 6 | 0 | 0 | 0 |
| Western Desert | Siwa | 24.4 | — 0.2 | 7.9 | — 1.3 | 16.2 | 32.0 | 14 | 19.8 | 3 | 11 | 2 | 0 | 0 | 0 | 12.8 | 29 | 3.7 | 5 | 26 | 4 | 0 | 0 |
| | Bahariya | 24.4 | — 1.0 | 7.1 | — 1.8 | 15.8 | 32.7 | 14 | 19.0 | 4 | 11 | 3 | 0 | 0 | 0 | 15.7 | 29 | 2.0 | 1 | 27 | 7 | 0 | 0 |
| | Farafra | 25.3 | — 0.4 | 7.4 | — 0.5 | 16.4 | 35.0 | 14 | 19.5 | 4 | 14 | 3 | 0 | 0 | 0 | 15.5 | 29 | 0.2 | 1 | 24 | 6 | 0 | 0 |
| | Dakhla | 26.7 | — 0.6 | 5.9 | — 4.1 | 16.3 | 34.6 | 11 | 20.1 | 5 | 19 | 7 | 0 | 0 | 0 | 12.2 | 29 | —2.8 | 1 | 26 | 10 | 1 | 0 |
| | Kharga | 27.9 | — 0.3 | 9.1 | — 1.7 | 18.8 | 39.2 | 15 | 19.9 | 5 | 24 | 8 | 4 | 0 | 0 | 18.3 | 16 | 0.2 | 1 | 18 | 3 | 0 | 0 |
| Red Sea | Suez | 23.2 | — 1.0 | 10.0 | — 1.7 | 16.6 | 31.2 | 15 | 17.2 | 2·5 | 8 | 2 | 0 | 0 | 0 | 15·0 | 12 | 6.6 | 1 | 15 | 0 | 0 | 0 |
| | Tor | 23.6 | — 0.5 | 12.0 | — 0.4 | 17.8 | 32.7 | 11 | 18.7 | 6 | 6 | 3 | 0 | 0 | 0 | 18.8 | 17 | 6.7 | 1 | 9 | 0 | 0 | 0 |
| | Hurghada | 23.4 | + 0.6 | 11.6 | — 0.8 | 17.5 | 28.9 | 15 | 18.8 | 5 | 7 | 0 | 0 | 0 | 0 | 17.0 | 16 | 5.4 | 1 | 7 | 0 | 0 | 0 |
| | Quseir | 23.5 | — 1.3 | 15.0 | — 1.5 | 19.2 | 27.9 | 15 | 18·4 | 1 | 9 | 0 | 0 | 0 | 0 | 18.5 | 16 | 7.8 | 1 | 1 | 0 | 0 | 0 |

# TABLE A 3.—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

## MARCH 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amounts of rain | | | | | Maximum depth (cms) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0·1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh (A) | 35.3 | — 30.3 | 12.0 | 22 | 8 | 6 | 1 | 0 | 0 | 0 | — | 258.9 | 322.9 | 80 | 3.0 | 3.8 | 4.4 | 3.0 | 2.9 |
| | Bouka ... ... ... ... | 23.1 | — | 13.0 | 22 | 9 | 5 | 1 | 0 | 0 | 0 | — | — | — | — | — | 4.3 | 4.0 | 3.7 | 2.1 |
| | Tartous ... ... ... ... | 75.7 | — | 28.2 | 22 | 7 | 7 | 2 | 1 | 0 | 0 | — | — | — | — | — | 3.5 | 3.5 | 3.2 | 2.5 |
| WESTERN INLAND | Damascus (A) ... | 94.1 | + 66.2 | 72.3 | 21 | 8 | 7 | 1 | 1 | 1 | 1.0 | 2 | 275.2 | 347.6 | 79 | 2.4 | 3.4 | 4.0 | 2.6 | 4.0 |
| | Aleppo (A) ... | 21.4 | — 18.8 | 5.0 | 21 | 8 | 6 | 0 | 0 | 0 | 3 5 | 2 | 247.4 | 348.8 | 71 | 2.6 | 3.9 | 4.8 | 3.1 | 2.6 |
| | Hama (A) ... | 51.0 | + 9.2 | 25.3 | 21 | 8 | 5 | 2 | 1 | 0 | 0 | — | 249.1 | 349.3 | 71 | 3.0 | 3.8 | 4.4 | 3.0 | 2.5 |
| | Homs ... ... ... ... | 62.5 | — 2.7 | 23.0 | 3 | 7 | 7 | 2 | 0 | 0 | 0 | — | — | — | — | — | 4.4 | 4.5 | 4.0 | 1.9 |
| | Kharabo ... ... ... | 33·5 | — | 20.0 | 21 | 4 | 3 | 1 | 0 | 0 | 0 | — | — | — | — | — | 2.2 | 2.2 | 1.8 | — |
| | Salamiyie ... ... ... | 56.4 | — | 27.5 | 21 | 12 | 7 | 2 | 1 | 0 | 0 | — | — | — | — | — | 3.1 | 3.8 | 2.4 | 1.6 |
| | Meselmiyie ... ... ... | 10.6 | — | 2.9 | 22 | 7 | 5 | 0 | 0 | 0 | 0 | — | — | — | — | — | 3.2 | 3.4 | 2.9 | 3.4 |
| | Fiq ... ... ... ... ... | 52.8 | — | 19.5 | 4 | 10 | 8 | 1 | 0 | 0 | 0 | — | 235·3 | 346.7 | 68 | 3.3 | 4 5 | 4.9 | 3.1 | 2.6 |
| | Tell Shihab ... ... ... | 17.8 | — | 5.5 | 1 | 8 | 6 | 0 | 0 | 0 | 0 | — | — | — | — | — | 3.7 | 3.8 | 2.9 | 2.5 |
| DESERT | Palmyra (A) ... | 28.7 | + 11.2 | 6.9 | 21 | 7 | 7 | 0 | 0 | 0 | 6.8 | 1 | 269.6 | 346.3 | 78 | — | 3.5 | 4.2 | 3.0 | 4.0 |
| EL GEZEIRA | Deir Ezzor (A) ... | 29.6 | — 5.9 | 8.0 | 30 | 10 | 8 | 0 | 0 | 0 | tr. | 21 | 232.9 | 327.9 | 71 | 3.1 | 3.5 | 4.7 | 3.0 | 4.1 |
| | Raqqa ... ... ... ... | 18.1 | — | 4.4 | 21 | 8 | 7 | 0 | 0 | 0 | 0 | — | 238.7 | 325.6 | 73 | 2.9 | 3.6 | 4.7 | 2.7 | 4.8 |
| NORTH EASTERN | Qamishlie (A) ... | 79.3 | + 8.9 | 20.2 | 22 | 13 | 11 | 2 | 0 | 0 | 15.6 | 2 | 168.1 | 347.6 | 51 | 4.6 | 5.2 | 5.5 | 4.0 | 2.7 |
| | Tell Tamer ... ... ... | 38.7 | — | 12.2 | 30 | 12 | 8 | 1 | 0 | 0 | 0 | — | — | — | — | — | 3.6 | 4.3 | 3.0 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum ... ... ... ... | 0.8 | — 14.0 | 0.3 | 15·29 | 3 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 1.4 | 2·5 | 4.7 | 1.9 | 7.0 |
| | Sidi Barrani ... ... ... | 0.3 | — 13.4 | 0.3 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 3.0 | 3.4 | 1.7 | 5.4 |
| | Mersa Matruh (A) ... | 0.2 | — 13.9 | 0.2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 2.1 | 3.3 | 3.8 | 2.0 | 7.2 |
| | Dabaa ... ... ... ... | 0·0 | — 16.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 2.8 | 3.5 | 2.0 | 6.8 |
| | Alexandria (A) ... | 2.2 | — 10.6 | 1.1 | 21 | 5 | 1 | 0 | 0 | 0 | 0 | — | 270.2 | 370.8 | 72·9 | 3.1 | 4.5 | 4.3 | 2.8 | 3.9 |
| | Dekheila (A) ... | 4.7 | — 1.8 | 2.6 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | — | — | — | — | 2.3 | 3.8 | 3.5 | 2.9 | 6.3 |
| | Damietta ... ... ... | 20.6 | + 12.6 | 7.8 | 24 | 6 | 5 | 0 | 0 | 0 | 0 | — | — | — | — | — | 3.1 | 2.9 | 1.5 | 3.3 |
| | Port Said (A) ... | 8.2 | — 0.5 | 2.4 | 22 | 6 | 3 | 0 | 0 | 0 | 0 | — | 260.7 | 370.8 | 72.7 | 1.7 | 2.9 | 3.2 | 1.7 | 4.2 |
| | El Arish ... ... ... | 15.9 | + 2.4 | 6.8 | 5 | 8 | 4 | 0 | 0 | 0 | 0 | — | — | — | — | 3.3 | 3.4 | 4.0 | 3.0 | 3.9 |
| | Ghazza ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE A 3. (*continued*)—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

## MARCH 1959

| District | Station | Rainfall (millimetres): Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain: ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | Snow: Maximum depth (cms.) | Date | Duration of bright sunshine in hours: Total actual | Total possible | Percentage % | Mean sky cover in oktas at: 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... ... | 3.1 | —4.1 | 1.6 | 21 | 3 | 2 | 0 | 0 | 0 | 0 | — | — | — | — | — | 3.3 | 3.3 | 1.9 | 3.7 |
| | Mansoura ... ... ... | 4.0 | —2.2 | 4.0 | 25 | 1 | 1 | 0 | 0 | 0 | 0 | — | — | — | — | — | 2.6 | 3.7 | 1.0 | 3.1 |
| | Tanta ... ... ... ... | 3.8 | —0.1 | 2.0 | 22 | 4 | 2 | 0 | 0 | 0 | 0 | — | 280.2 | 370.8 | 75.6 | — | 2.9 | 3.7 | 1.6 | 4.1 |
| | Shebin el Kom ... ... | 4.1 | +1.2 | 4.1 | 22 | 1 | 1 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.1 | 1.9 | 1.3 | 3.3 |
| | Zagazig ... ... ... ... | 4.2 | +0.4 | 2.6 | 22 | 2 | 2 | 0 | 0 | 0 | 0 | — | — | — | — | — | 3.0 | 4.1 | 1.4 | 3.2 |
| | Zaher (A) ... | 3.3 | — | 1.6 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | — | — | — | — | — | 2.5 | 3.5 | 1.9 | 8.0 |
| | Wadi el Natrun ... ... | tr | —2.3 | tr. | 21·24·25 | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 2.5 | 3.2 | 2.1 | 7.0 |
| | Abu Sueir ... (A) ... | 0.3 | — | 0.3 | 22 | 1 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 1.9 | 3.4 | 4.3 | 2.3 | 7.8 |
| Cairo Area | Cairo (A) ... | 0.9 | —1.7 | 0.6 | 25 | 2 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 2.1 | 2.6 | 3.9 | 2.5 | 8.5 |
| | Almaza (A) ... | 5.0 | +2.3 | 3.0 | 22 | 2 | 2 | 0 | 0 | 0 | 0 | — | 276.8 | 371.1 | 74.6 | 1.0 | 2.7 | 3.5 | 1.6 | 6.1 |
| | Abbasiya (H.Q.) ... ... | 1.8 | — | 1.5 | 22 | 2 | 1 | 0 | 0 | 0 | 0 | — | — | — | — | 1.5 | 2.3 | 3.1 | 1.7 | 5.6 |
| | Mostafa Helmi (A) ... | 1.0 | — | 1.0 | 22 | 1 | 1 | 0 | 0 | 0 | 0 | — | — | — | — | 1.2 | 3.0 | 4.0 | 2.1 | 8.9 |
| | Giza ... ... ... ... | tr. | —4.0 | tr. | 22 | 0 | 0 | 0 | 0 | 0 | 0 | — | 269.6 | 371.1 | 72.6 | — | 2.7 | 3.3 | 1.2 | 4.9 |
| | Helwan ... ... ... ... | 0.2 | —3.8 | 0.2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | — | 281.1 | 371.3 | 75.7 | — | 3.1 | 3.4 | 1.5 | 8.0 |
| Upper Egypt | Fayoum ... ... ... ... | 0.0 | —2.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.9 | 2.3 | 1.0 | 4.6 |
| | Beni Suef ... ... ... | tr. | —1.8 | tr. | 2 | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.6 | 2.2 | 1.4 | 4.4 |
| | Minya (A) ... | 0.0 | —0.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.2 | 0.7 | 1.6 | 0.7 | 6.6 |
| | Asyout (A) ... | 0.0 | tr. | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.1 | 0.8 | 0.6 | 0.5 | 10.5 |
| | Nag Hammadi ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.4 | 1.1 | 1.1 | 8.7 |
| | Qena ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 0.1 | 0.2 | 0.0 | 7.4 |
| | Luxor (A) ... | 0.0 | tr. | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.2 | 0.5 | 0.6 | 0.5 | 7.8 |
| | Aswan ... ... ... ... | 0.0 | —0.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.4 | 1.2 | 1.2 | 0.7 | 9.4 |
| Western Desert | Siwa ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.6 | 0.7 | 2.3 | 1.1 | 8.9 |
| | Bahariya ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.4 | 0.5 | 1.4 | 1.0 | 6.4 |
| | Farafra ... ... ... ... | 0.0 | —0.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.1 | 0.5 | 0.8 | 0.6 | 11.3 |
| | Dakhla ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.8 | 1.1 | 1.1 | 0.9 | 12.0 |
| | Kharga ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 1.4 | 1.3 | 1.1 | 8.7 |
| Red Sea | Suez... ... ... ... ... | 0.2 | —2.6 | 0.2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | 3.0 | 3.0 | 1.0 | 6.7 |
| | Tor ... ... ... ... ... | 0.0 | —2.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 1.8 | 1.4 | 1.4 | 1.4 | 8.7 |
| | Hurghada ... ... ... | 0.0 | —0.4 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 0.7 | 1.2 | 1.2 | 1.1 | 14.2 |
| | Quseir ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | 1.0 | 1.5 | 1.4 | 0.9 | 12.9 |

## TABLE A 4.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

## MARCH 1959

| Station | Number of days of occurrence of | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rain | Snow | Hail | Thunderstorm | Fog | Mist | Haze | Sandstorm Duststorm | Sandrising Dustrising | Gales | Cloudy sky | Clear sky |
| **Northern Region** | | | | | | | | | | | | |
| Jableh (A) ... ... ... | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 |
| Bouka ... ... ... ... ... ... | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Tartous ... ... ... ... ... ... | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Damascus (A) ... ... ... | 8 | 2 | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 2 | 2 | 7 |
| Aleppo (A) ... ... ... | 8 | 2 | 0 | 0 | 1 | 1 | 4 | 0 | 2 | 1 | 6 | 9 |
| Hama (A) ... ... ... | 8 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 8 | 9 |
| Homs ... ... ... ... ... ... | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Kharabo ... ... ... ... ... | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | — | — |
| Salamiyie ... ... ... ... ... | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Meselmiyie ... ... ... ... ... | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | — | — |
| Fiq ... ... ... ... ... ... ... | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 |
| Tell Shihab ... ... ... ... ... | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Palmyra (A) ... ... ... | 7 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 10 |
| Deir Ezzor (A) ... ... ... | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 5 | 9 |
| Raqqa ... ... ... ... ... ... | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 7 | 12 |
| Qamishlie (A) ... ... ... | 13 | 4 | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 14 | 5 |
| Tell Tamer ... ... ... ... ... | 12 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | — | — |
| **Southern Region** | | | | | | | | | | | | |
| Sallum ... ... ... ... ... ... | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 15 |
| Sidi Barrani ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | — | — |
| Mersa Matruh (A) ... ... ... | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 11 |
| Alexandria (A) ... ... ... | 5 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 4 | 9 |
| Port Said (A) ... ... ... | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| El Arish ... ... ... | 8 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 4 | 0 | 3 | 8 |
| Abu Sueir (A) ... ... ... | 1 | 0 | 0 | 0 | 3 | 2 | 1 | 1 | 4 | 1 | 1 | 11 |
| Cairo (A) ... ... ... | 2 | 0 | 0 | 0 | 0 | 12 | 5 | 0 | 2 | 0 | 1 | 12 |
| Almaza (A) ... ... ... | 2 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 2 | 0 | 0 | 13 |
| Abbasiya (H.Q.) ... ... ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| Mostafa Helmi (A) ... ... ... | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 4 | 0 | 0 | 14 |
| Minya (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| Asyout (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 30 |
| Luxor (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| Aswan ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 26 |
| Siwa ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| Hurghada ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 26 |
| Quseir ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 2 | 0 | 22 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## NORTHERN REGION — MARCH 1959

| | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| WESTERN ISLAND | Jableh (A) | 376 | 0 | 0 | 1–10 | 7 | 1 | 4 | 4 | 40 | 30 | 6 | 1 | 11 | 32 | 23 | 10 | 9 | 21 | 2 | 9 | 210 |
| | | | | | 11–27 | 1 | 1 | 2 | 3 | 6 | 2 | 1 | 0 | 8 | 22 | 68 | 4 | 9 | 18 | 8 | 4 | 157 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 8 | 2 | 6 | 7 | 46 | 32 | 7 | 1 | 19 | 55 | 91 | 14 | 18 | 39 | 10 | 13 | 368 |
| | Bouka ... ... | 429 | 0 | 0 | 1–10 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 12 | 80 | 46 | 53 | 23 | 14 | 14 | 0 | 1 | 250 |
| | | | | | 11–27 | 1 | 5 | 2 | 0 | 0 | 0 | 2 | 7 | 11 | 4 | 10 | 0 | 2 | 12 | 9 | 0 | 65 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 5 | 7 | 3 | 0 | 0 | 0 | 2 | 19 | 91 | 50 | 63 | 23 | 16 | 26 | 9 | 1 | 315 |
| | Damascus (A) | 198 | 0 | 0 | 1–10 | 11 | 7 | 21 | 27 | 24 | 30 | 10 | 13 | 16 | 14 | 16 | 33 | 45 | 26 | 15 | 18 | 326 |
| | | | | | 11–27 | 30 | 2 | 0 | 0 | 3 | 3 | 1 | 1 | 0 | 0 | 8 | 7 | 14 | 31 | 49 | 65 | 214 |
| | | | | | 28–47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 6 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 42 | 9 | 21 | 27 | 27 | 33 | 11 | 14 | 16 | 14 | 24 | 40 | 59 | 57 | 66 | 86 | 546 |
| | Aleppo (A) | 112 | 0 | 0 | 1–10 | 49 | 35 | 20 | 20 | 13 | 1 | 0 | 1 | 12 | 22 | 40 | 35 | 65 | 20 | 19 | 15 | 367 |
| | | | | | 11–27 | 37 | 28 | 10 | 14 | 19 | 0 | 0 | 0 | 3 | 6 | 27 | 34 | 51 | 20 | 4 | 4 | 256 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 9 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 86 | 63 | 30 | 34 | 34 | 1 | 0 | 1 | 15 | 28 | 71 | 71 | 116 | 40 | 23 | 19 | 632 |
| | Hama (A) | 169 | 0 | 0 | 1–10 | 19 | 23 | 42 | 24 | 60 | 2 | 4 | 11 | 21 | 34 | 28 | 37 | 30 | 14 | 30 | 16 | 395 |
| | | | | | 11–27 | 3 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 4 | 42 | 53 | 32 | 26 | 5 | 2 | 1 | 178 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 22 | 27 | 48 | 24 | 60 | 2 | 4 | 11 | 25 | 76 | 82 | 70 | 56 | 19 | 32 | 17 | 575 |
| | Kharabo ... | 321 | 0 | 68 | 1–10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 9 | 12 | 77 | 25 | 22 | 5 | 167 |
| | | | | | 11–27 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 50 | 73 | 38 | 1 | 2 | 175 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 5 | 1 | 0 | 0 | 13 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 14 | 68 | 155 | 64 | 23 | 7 | 355 |
| | Salamiyie ... | 454 | 0 | 0 | 1–10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 32 | 74 | 15 | 8 | 18 | 7 | 0 | 174 |
| | | | | | 11–27 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 8 | 84 | 14 | 0 | 0 | 0 | 1 | 116 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 10 | 40 | 158 | 29 | 8 | 18 | 7 | 1 | 290 |
| | Meselmiyie... | 159 | 0 | 275 | 1–10 | 5 | 15 | 4 | 6 | 1 | 0 | 0 | 8 | 3 | 17 | 4 | 5 | 28 | 25 | 5 | 13 | 139 |
| | | | | | 11–27 | 5 | 1 | 2 | 23 | 8 | 6 | 2 | 2 | 3 | 0 | 2 | 6 | 57 | 21 | 4 | 8 | 150 |
| | | | | | 28–47 | 0 | 0 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 0 | 0 | 1 | 21 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 10 | 16 | 6 | 33 | 12 | 6 | 2 | 10 | 6 | 17 | 6 | 18 | 91 | 46 | 9 | 22 | 310 |
| | Fiq ... | 57 | 0 | 248 | 1–10 | 5 | 6 | 9 | 14 | 25 | 4 | 3 | 1 | 8 | 14 | 35 | 35 | 70 | 50 | 6 | 17 | 302 |
| | | | | | 11–27 | 10 | 0 | 0 | 2 | 24 | 3 | 1 | 0 | 0 | 1 | 11 | 18 | 54 | 8 | 0 | 4 | 136 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 15 | 6 | 9 | 16 | 49 | 7 | 4 | 1 | 8 | 15 | 46 | 53 | 125 | 58 | 6 | 21 | 439 |
| DESERT | Palmyra (A) | 137 | 0 | 0 | 1–10 | 18 | 15 | 4 | 15 | 35 | 13 | 0 | 0 | 3 | 4 | 7 | 7 | 83 | 118 | 107 | 22 | 451 |
| | | | | | 11–27 | 0 | 2 | 3 | 8 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 29 | 32 | 69 | 1 | 156 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 18 | 17 | 7 | 23 | 41 | 16 | 0 | 0 | 3 | 4 | 7 | 10 | 112 | 150 | 176 | 23 | 607 |
| EL GEZIRA | Deir Ezzor (A) | 335 | 0 | 0 | 1–10 | 16 | 9 | 8 | 0 | 23 | 4 | 8 | 2 | 3 | 12 | 25 | 44 | 148 | 24 | 12 | 8 | 346 |
| | | | | | 11–27 | 1 | 6 | 5 | 0 | 4 | 2 | 0 | 0 | 1 | 3 | 1 | 11 | 27 | 1 | 1 | 0 | 63 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 17 | 15 | 13 | 0 | 27 | 6 | 8 | 2 | 4 | 15 | 26 | 55 | 175 | 25 | 13 | 8 | 409 |
| | Raqqa... ... | 54 | 0 | 0 | 1–10 | 26 | 44 | 18 | 10 | 0 | 0 | 2 | 5 | 4 | 15 | 77 | 80 | 34 | 19 | 34 | 33 | 401 |
| | | | | | 11–27 | 12 | 20 | 48 | 8 | 0 | 0 | 2 | 0 | 1 | 4 | 101 | 47 | 20 | 11 | 11 | 4 | 289 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 38 | 64 | 66 | 18 | 0 | 0 | 4 | 5 | 5 | 19 | 178 | 127 | 54 | 30 | 45 | 37 | 690 |
| EASTERN | Qamishlie (A) | 80 | 0 | 0 | 1–10 | 110 | 52 | 81 | 46 | 24 | 1 | 16 | 7 | 7 | 8 | 4 | 6 | 33 | 2 | 2 | 51 | 450 |
| | | | | | 11–27 | 38 | 20 | 91 | 28 | 12 | 1 | 0 | 0 | 0 | 6 | 0 | 1 | 6 | 0 | 1 | 9 | 213 |
| | | | | | 28–47 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 148 | 72 | 173 | 74 | 36 | 2 | 16 | 7 | 7 | 14 | 4 | 7 | 39 | 2 | 3 | 60 | 664 |

# TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## SOUTHERN REGION — MARCH 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| Mediterranean | Sidi Barrani ... | 4 | 0 | 12 | 1-10 | 52 | 36 | 16 | 10 | 14 | 31 | 27 | 36 | 25 | 10 | 20 | 51 | 337 |
| | | | | | 11-27 | 38 | 30 | 27 | 39 | 17 | 26 | 20 | 6 | 20 | 19 | 22 | 127 | 391 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 90 | 66 | 43 | 49 | 31 | 57 | 47 | 42 | 45 | 29 | 51 | 178 | 728 |
| | Mersa Matruh (A) | 18 | 0 | 0 | 1-10 | 49 | 8 | 8 | 20 | 49 | 28 | 13 | 39 | 62 | 34 | 29 | 81 | 420 |
| | | | | | 11-27 | 28 | 4 | 17 | 35 | 19 | 3 | 4 | 2 | 17 | 14 | 41 | 122 | 306 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 77 | 12 | 25 | 55 | 68 | 31 | 17 | 41 | 79 | 48 | 70 | 203 | 726 |
| | Alexandria (A) | 10 | 0 | 0 | 1-10 | 35 | 51 | 54 | 55 | 9 | 12 | 6 | 7 | 7 | 31 | 50 | 107 | 425 |
| | | | | | 11-27 | 15 | 17 | 7 | 7 | 3 | 0 | 0 | 2 | 9 | 42 | 60 | 147 | 309 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 50 | 68 | 61 | 62 | 12 | 12 | 6 | 9 | 16 | 73 | 110 | 254 | 734 |
| | El Dekheila (A) | 9 | 0 | 2 | 1-10 | 60 | 35 | 29 | 41 | 45 | 22 | 15 | 0 | 15 | 10 | 44 | 75 | 391 |
| | | | | | 11-27 | 76 | 13 | 20 | 5 | 21 | 14 | 0 | 1 | 1 | 6 | 49 | 136 | 342 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 136 | 48 | 49 | 46 | 66 | 36 | 15 | 1 | 16 | 16 | 93 | 211 | 733 |
| | Port Said (A) | 1 | 0 | 0 | 1-10 | 41 | 55 | 73 | 58 | 12 | 10 | 6 | 6 | 36 | 59 | 29 | 66 | 451 |
| | | | | | 11-27 | 23 | 10 | 35 | 29 | 6 | 0 | 1 | 1 | 45 | 35 | 57 | 50 | 292 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 64 | 65 | 108 | 87 | 18 | 10 | 7 | 7 | 81 | 94 | 86 | 116 | 743 |
| | El Arish ... ... | 178 | 0 | 0 | 1-10 | 62 | 82 | 12 | 7 | 51 | 2 | 20 | 21 | 77 | 63 | 69 | 52 | 524 |
| | | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 21 | 4 | 3 | 42 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 62 | 84 | 12 | 7 | 51 | 2 | 26 | 21 | 89 | 84 | 73 | 55 | 566 |
| Lower Egypt | Zaher (A) | 6 | 27 | 4 | 1-10 | 60 | 45 | 50 | 30 | 16 | 18 | 9 | 42 | 75 | 59 | 75 | 66 | 565 |
| | | | | | 11-27 | 2 | 18 | 39 | 0 | 0 | 1 | 2 | 9 | 28 | 24 | 30 | 9 | 142 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 62 | 63 | 89 | 30 | 16 | 19 | 11 | 51 | 103 | 83 | 105 | 75 | 707 |
| Cairo Area | Cairo (A) | 37 | 6 | 7 | 1-10 | 70 | 52 | 75 | 46 | 13 | 4 | 38 | 28 | 39 | 58 | 91 | 68 | 582 |
| | | | | | 11-27 | 1 | 2 | 28 | 1 | 0 | 0 | 6 | 7 | 17 | 22 | 26 | 2 | 112 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 71 | 54 | 103 | 47 | 13 | 4 | 44 | 35 | 56 | 80 | 117 | 70 | 694 |
| | Almaza (A) | 3 | 7 | 1 | 1-10 | 87 | 103 | 42 | 19 | 28 | 14 | 19 | 39 | 32 | 34 | 64 | 77 | 558 |
| | | | | | 11-27 | 21 | 25 | 38 | 11 | 2 | 6 | 5 | 6 | 8 | 21 | 24 | 8 | 175 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 108 | 128 | 80 | 30 | 30 | 20 | 24 | 45 | 40 | 55 | 88 | 85 | 733 |
| | Abbasiya (H.Q.) | 90 | 26 | 11 | 1-10 | 107 | 95 | 52 | 9 | 8 | 1 | 14 | 29 | 30 | 36 | 79 | 99 | 558 |
| | | | | | 11-27 | 0 | 3 | 9 | 0 | 0 | 0 | 3 | 2 | 10 | 8 | 14 | 4 | 59 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 107 | 98 | 61 | 9 | 8 | 1 | 17 | 31 | 40 | 43 | 93 | 103 | 617 |
| | Mostafa Helmi (A) | 5 | 26 | 2 | 1-10 | 59 | 39 | 35 | 26 | 11 | 7 | 11 | 17 | 28 | 36 | 35 | 46 | 350 |
| | | | | | 11-27 | 72 | 27 | 68 | 20 | 0 | 1 | 6 | 6 | 6 | 44 | 42 | 69 | 361 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 131 | 66 | 103 | 46 | 11 | 8 | 17 | 23 | 34 | 80 | 77 | 115 | 711 |
| | Giza ... ... ... | 120 | 2 | 11 | 1-10 | 123 | 74 | 60 | 4 | 20 | 8 | 14 | 10 | 4 | 51 | 125 | 113 | 606 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 5 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 123 | 74 | 60 | 4 | 20 | 8 | 14 | 10 | 4 | 53 | 128 | 113 | 611 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

### SOUTHERN REGION (*contd.*) — MARCH 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| Upper Egypt | Minya... ... (A) | 37 | 65 | 0 | 1–10 | 75 | 13 | 3 | 1 | 15 | 19 | 10 | 16 | 3 | 28 | 69 | 276 | 528 |
| | | | | | 11–27 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 11 | 82 | 114 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 86 | 13 | 3 | 1 | 15 | 19 | 10 | 16 | 6 | 35 | 80 | 358 | 642 |
| | Luxor... ... (A) | 15 | 1 | 3 | 1–10 | 37 | 53 | 16 | 22 | 12 | 41 | 75 | 43 | 35 | 51 | 116 | 149 | 650 |
| | | | | | 11–27 | 4 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 3 | 3 | 20 | 39 | 75 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 41 | 53 | 17 | 22 | 12 | 41 | 76 | 47 | 38 | 54 | 136 | 188 | 725 |
| Western Desert | Siwa ... ... ... | 85 | 1 | 0 | 1–10 | 37 | 30 | 44 | 56 | 73 | 39 | 13 | 20 | 14 | 31 | 85 | 57 | 499 |
| | | | | | 11–27 | 28 | 11 | 3 | 3 | 7 | 9 | 8 | 7 | 0 | 2 | 14 | 67 | 159 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 65 | 41 | 47 | 59 | 80 | 48 | 21 | 27 | 14 | 33 | 99 | 124 | 658 |
| | Dakhla... ... ... | 18 | 17 | 245 | 1–10 | 16 | 19 | 22 | 12 | 6 | 6 | 12 | 16 | 49 | 64 | 81 | 50 | 353 |
| | | | | | 11–27 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 | 78 | 111 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 31 | 19 | 22 | 12 | 6 | 6 | 12 | 16 | 49 | 65 | 98 | 128 | 464 |
| Red Sea | Hurghada ... ... | 11 | 16 | 2 | 1–10 | 14 | 20 | 16 | 3 | 7 | 23 | 2 | 0 | 14 | 19 | 64 | 36 | 218 |
| | | | | | 11–27 | 91 | 24 | 0 | 3 | 11 | 3 | 0 | 0 | 0 | 37 | 127 | 182 | 478 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 19 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 105 | 44 | 16 | 6 | 18 | 26 | 2 | 0 | 14 | 56 | 191 | 237 | 715 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## JABLEH (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 19 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 4 | 3 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 12 |
| 0300 | 18 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 4 | 5 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 13 |
| 0600 | 21 | 0 | 0 | 1-10 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 10 |
| 0900 | 12 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 2 | 0 | 0 | 1 | 2 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 2 | 5 | 3 | 0 | 0 | 1 | 2 | 19 |
| 1200 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 4 | 1 | 1 | 2 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 1 | 4 | 1 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 4 | 8 | 2 | 2 | 6 | 1 | 0 | 25 |
| 1500 | 7 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 2 | 1 | 0 | 5 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 2 | 1 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 7 | 4 | 1 | 0 | 5 | 2 | 1 | 24 |
| 1800 | 18 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 1 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 2 | 0 | 1 | 13 |
| 2100 | 20 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 11 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## BOUKA — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All direction |
| 0000 | 25 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 6 |
| 0300 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 5 |
| 0600 | 18 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 5 | 1 | 0 | 2 | 1 | 0 | 13 |
| 0900 | 8 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 5 | 3 | 6 | 1 | 1 | 0 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 6 | 3 | 7 | 1 | 1 | 1 | 0 | 0 | 23 |
| 1200 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 6 | 6 | 1 | 2 | 0 | 0 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 6 | 7 | 1 | 3 | 0 | 0 | 0 | 25 |
| 1500 | 14 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 4 | 1 | 1 | 1 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 5 | 1 | 1 | 1 | 0 | 0 | 17 |
| 1800 | 22 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 9 |
| 2100 | 25 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 6 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DAMASCUS (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 10 | 0 | 0 | 1-10 | 1 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 4 | 0 | 0 | [illegible] |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 2 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 5 | 2 | 2 | [illegible] |
| 0300 | 14 | 0 | 0 | 1-10 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 5 | 1 | 0 | 0 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 5 | 1 | 2 | 1 | [illegible] |
| 0600 | 12 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 2 | 3 | 3 | 1 | 0 | 0 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 2 | 3 | 3 | 2 | 3 | 1 | [illegible] |
| 0900 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 3 | 8 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | [illegible] |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 0 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 1 | 0 | 0 | 0 | 4 | 9 | 0 | 1 | 0 | 0 | 1 | 4 | 0 | 2 | 2 | 2 | [illegible] |
| 1200 | 4 | 0 | 0 | 1-10 | 0 | 0 | 2 | 1 | 1 | 2 | 0 | 0 | 1 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | [illegible] |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 3 | 5 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 1 | 0 | 2 | 1 | 2 | 2 | 0 | 1 | 1 | 3 | 1 | 2 | 1 | 2 | 3 | 5 | [illegible] |
| 1500 | 3 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | [illegible] |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 4 | 5 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 5 | 1 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 2 | 2 | 5 | 6 | [illegible] |
| 1800 | 7 | 0 | 0 | 1-10 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 2 | 1 | 2 | [illegible] |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 3 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | [illegible] |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 4 | 3 | 6 | [illegible] |
| 2100 | 9 | 0 | 0 | 1-10 | 0 | 0 | 3 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 2 | 0 | [illegible] |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 2 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 2 | 0 | 3 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 3 | 2 | 5 | 2 | [illegible] |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEPPO (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 9 | 0 | 0 | 1-10 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 3 | 2 | 13 |
| | | | | 11-27 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 2 | 1 | 1 | 3 | 2 | 22 |
| 0300 | 9 | 0 | 0 | 1-10 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 4 | 3 | 2 | 0 | 1 | 18 |
| | | | | 11-27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 4 | 3 | 2 | 1 | 1 | 22 |
| 0600 | 5 | 0 | 0 | 1-10 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 2 | 0 | 0 | 15 |
| | | | | 11-27 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 5 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 5 | 2 | 0 | 0 | 26 |
| 0900 | 1 | 0 | 0 | 1-10 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 2 | 0 | 0 | 1 | 0 | 14 |
| | | | | 11-27 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 0 | 0 | 0 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 3 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 5 | 5 | 4 | 0 | 1 | 0 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 3 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 1 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 2 | 4 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 1 | 1 | 4 | 0 | 0 | 0 | 1 | 3 | 8 | 1 | 3 | 4 | 0 | 0 | 31 |
| 1500 | 2 | 0 | 0 | 1-10 | 2 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 12 |
| | | | | 11-27 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 4 | 2 | 0 | 0 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 2 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 6 | 2 | 0 | 0 | 29 |
| 1800 | 2 | 0 | 0 | 1-10 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 5 | 2 | 0 | 0 | 20 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 1 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 5 | 8 | 3 | 0 | 0 | 29 |
| 2100 | 7 | 0 | 0 | 1-10 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 0 | 4 | 2 | 0 | 2 | 18 |
| | | | | 11-27 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 1 | 5 | 2 | 0 | 3 | 24 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**SALAMIYIE —MARCH 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 27 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| 0300 | 27 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 4 |
| 0600 | 19 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 1 | 0 | 0 | 1 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 1 | 0 | 0 | 1 | 0 | 12 |
| 0900 | 7 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 2 | 2 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 7 | 1 | 0 | 1 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 12 | 3 | 2 | 1 | 0 | 0 | 24 |
| 1200 | 7 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 2 | 3 | 2 | 0 | 0 | 14 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 12 | 4 | 3 | 2 | 0 | 0 | 24 |
| 1500 | 17 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 1 | 0 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 2 | 0 | 1 | 0 | 0 | 14 |
| 1800 | 27 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| 2100 | 27 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MESELMIYIE — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases occurrences of wind blowing from the ranges of direction indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 14 | 0 | 11 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 1 | 6 |
| 0300 | 16 | 0 | 10 | 1–10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 |
| | | | | 1–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 5 |
| 0600 | 12 | 0 | 9 | 1–10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 4 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 2 | 10 |
| 0900 | 7 | 0 | 8 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 11–47 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 2 | 0 | 1 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 2 | 0 | 1 | 16 |
| 1200 | 2 | 0 | 12 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 4 |
| | | | | 11–27 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 3 | 1 | 0 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 1 | 5 | 1 | 1 | 1 | 17 |
| 1500 | 7 | 0 | 8 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 0 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 3 | 4 | 3 | 0 | 0 | 16 |
| 1800 | 11 | 0 | 10 | 1–10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 5 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 6 | 0 | 0 | 0 | 10 |
| 2100 | 13 | 0 | 12 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 2 | 6 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## FIQ — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 9 | 0 | 0 | 1–10 | 0 | 3 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 16 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 1 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 3 | 5 | 1 | 0 | 0 | 0 | 22 |
| 0300 | 3 | 0 | 0 | 1–10 | 0 | 0 | 0 | 5 | 6 | 0 | 0 | 1 | 0 | 3 | 1 | 4 | 1 | 1 | 0 | 0 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 5 | 10 | 0 | 0 | 1 | 0 | 3 | 2 | 4 | 2 | 1 | 0 | 0 | 28 |
| 0600 | 3 | 0 | 0 | 1–10 | 0 | 0 | 0 | 5 | 4 | 1 | 0 | 0 | 0 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 6 | 8 | 2 | 0 | 0 | 0 | 2 | 6 | 1 | 3 | 0 | 0 | 0 | 28 |
| 0900 | 1 | 0 | 0 | 1–10 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 5 | 3 | 0 | 2 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 4 | 0 | 0 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 4 | 1 | 0 | 0 | 1 | 2 | 3 | 3 | 9 | 3 | 0 | 2 | 30 |
| 1200 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 6 | 5 | 1 | 1 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 0 | 1 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 6 | 10 | 6 | 1 | 2 | 30 |
| 1500 | 5 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 6 | 2 | 0 | 2 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 3 | 0 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 14 | 5 | 0 | 2 | 26 |
| 1800 | 8 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 3 | 0 | 3 | 17 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 9 | 3 | 0 | 4 | 23 |
| 2100 | 4 | 0 | 0 | 1–10 | 0 | 1 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 1 | 0 | 2 | 21 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 2 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 6 | 1 | 0 | 2 | 27 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## PALMYRA (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 9 | 7 | 0 | 20 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 10 | 13 | 0 | 28 |
| 0300 | 8 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 7 | 7 | 0 | 17 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 7 | 9 | 0 | 23 |
| 0600 | 7 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 7 | 4 | 1 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 8 | 4 | 1 | 24 |
| 0900 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 6 | 5 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 1 | 1 | 2 | 1 | 6 | 8 | 1 | 0 | 26 |
| 1200 | 3 | 0 | 0 | 1-10 | 1 | 1 | 0 | 2 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 6 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 2 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 7 | 4 | 0 | 28 |
| 1500 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 2 | 3 | 19 |
| | | | | 11-27 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 4 | 4 | 27 |
| 1800 | [illegible] | 0 | 0 | 1-10 | 4 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 8 | 3 | 23 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 10 | 3 | 27 |
| 2100 | 7 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 8 | 1 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 3 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 7 | 11 | 1 | 24 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DEIR EZZOR (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 20 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 1 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 5 | 1 | 0 | 0 | 11 |
| 0300 | 20 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 2 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 2 | 0 | 0 | 11 |
| 0600 | 15 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 1 | 0 | 12 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 | 0 | 1 | 0 | 16 |
| 0900 | 9 | 0 | 0 | 1-10 | 2 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 8 | 1 | 1 | 0 | 17 |
| | | | | 11-27 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 9 | 1 | 2 | 0 | 22 |
| 1200 | 5 | 0 | 0 | 1-10 | 2 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 10 | 0 | 1 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 2 | 0 | 3 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 12 | 0 | 1 | 0 | 26 |
| 1500 | 7 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 2 | 2 | 8 | 3 | 0 | 1 | 21 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 48-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 2 | 2 | 1 | 0 | 1 | 0 | 2 | 2 | 8 | 3 | 0 | 1 | 24 |
| 1800 | 17 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 0 | 0 | 2 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 0 | 0 | 2 | 14 |
| 2100 | 20 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 3 | 1 | 0 | 1 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 1 | 0 | 1 | 11 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

## RAQQA — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 1 | 2 | 0 | 2 | 20 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 4 | 0 | 1 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 8 | 4 | 2 | 2 | 0 | 2 | 28 |
| 0300 | 4 | 0 | 0 | 1-10 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 7 | 2 | 0 | 2 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 1 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 7 | 3 | 0 | 2 | 0 | 27 |
| 0600 | 4 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 4 | 0 | 1 | 2 | 16 |
| | | | | 11-27 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 1 | 0 | 0 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 4 | 5 | 0 | 1 | 2 | 27 |
| 0900 | 3 | 0 | 0 | 1-10 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 0 | 3 | 1 | 2 | 14 |
| | | | | 11-27 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 2 | 0 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 1 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 8 | 4 | 2 | 2 | 1 | 2 | 28 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 2 | 1 | 2 | 2 | 15 |
| | | | | 11-27 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 5 | 1 | 1 | 1 | 0 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 2 | 4 | 8 | 3 | 2 | 3 | 0 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 15 |
| | | | | 11-27 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 1 | 2 | 1 | 0 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 3 | 0 | 0 | 1 | 1 | 0 | 1 | 5 | 6 | 3 | 4 | 2 | 2 | 31 |
| 1800 | 3 | 0 | 0 | 1-10 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 6 | 2 | 1 | 1 | 2 | 3 | 24 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 2 | 2 | 1 | 2 | 3 | 28 |
| 2100 | 2 | 0 | 0 | 1-10 | 2 | 3 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 3 | 1 | 2 | 0 | 1 | 22 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 4 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 9 | 3 | 2 | 2 | 0 | 1 | 29 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## QAMISHLIE (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 5 | 0 | 0 | 1-10 | 3 | 1 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 5 | 20 |
| | | | | 11-27 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 9 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 5 | 26 |
| 0300 | 5 | 0 | 0 | 1-10 | 11 | 1 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 21 |
| | | | | 11-27 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 2 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 26 |
| 0600 | 5 | 0 | 0 | 1-10 | 3 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 15 |
| | | | | 11-27 | 1 | 1 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 26 |
| 0900 | 1 | 0 | 0 | 1-10 | 2 | 0 | 2 | 2 | 3 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 16 |
| | | | | 11-27 | 2 | 1 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 6 | 7 | 4 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 30 |
| 1200 | 1 | 0 | 0 | 1-10 | 2 | 3 | 2 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 4 | 20 |
| | | | | 11-27 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 5 | 4 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 4 | 31 |
| 1500 | 1 | 0 | 0 | 1-10 | 3 | 3 | 1 | 2 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 18 |
| | | | | 11-27 | 2 | 1 | 6 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 7 | 2 | 2 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 4 | 0 | 1 | 1 | 30 |
| 1800 | 2 | 0 | 0 | 1-10 | 4 | 3 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 17 |
| | | | | 11-27 | 2 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 5 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 29 |
| 2100 | 3 | 0 | 0 | 1-10 | 8 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 20 |
| | | | | 11-27 | 1 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 4 | 9 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 28 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SALLUM — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 13 | 0 | 0 | 1-10 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 2 | 4 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 5 | 3 | 4 | 18 |
| 0300 | 11 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 2 | 2 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 1 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 8 | 3 | 2 | 20 |
| 0600 | 9 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 7 | 1 | 1 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 10 | 2 | 1 | 22 |
| 0900 | 8 | 0 | 0 | 1-10 | 0 | 3 | 2 | 4 | 0 | 0 | 0 | 3 | 0 | 1 | 3 | 1 | 17 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 2 | 4 | 1 | 0 | 0 | 4 | 0 | 3 | 4 | 1 | 23 |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 7 | 6 | 7 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 3 | 29 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 7 | 7 | 7 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 4 | 31 |
| 1500 | 3 | 0 | 0 | 1-10 | 6 | 4 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 28 |
| 1800 | 19 | 0 | 0 | 1-10 | 4 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 12 |
| 2100 | 20 | 0 | 0 | 1-10 | 1 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 11 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MERSA MATRUH (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 4 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 4 | 0 | 0 | 2 | 5 | 6 | 0 | 0 | 19 |
| | | | | 11-27 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 2 | 4 | 0 | 0 | 6 | 7 | 6 | 0 | 0 | 27 |
| 0300 | 4 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 3 | 1 | 3 | 0 | 6 | 0 | 1 | 1 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 2 | 2 | 1 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 4 | 1 | 3 | 4 | 8 | 2 | 2 | 1 | 27 |
| 0600 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 5 | 4 | 1 | 0 | 3 | 17 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 2 | 0 | 2 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 3 | 2 | 0 | 5 | 8 | 3 | 0 | 5 | 27 |
| 0900 | 1 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 4 | 4 | 14 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 7 | 4 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 1 | 11 | 8 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 4 | 10 |
| | | | | 11-27 | 7 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 8 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 1 | 5 | 12 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 6 |
| | | | | 11-27 | 2 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 7 | 31 |
| 1800 | 4 | 0 | 0 | 1-10 | 2 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 3 | 20 |
| | | | | 11-27 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 1 | 3 | 6 | 5 | 27 |
| 2100 | 7 | 0 | 0 | 1-10 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 4 | 4 | 4 | 1 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 4 | 2 | 0 | 0 | 1 | 5 | 4 | 4 | 2 | 24 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEXANDRIA (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 2 | 2 | 2 | 5 | 0 | 3 | 0 | 0 | 0 | 3 | 1 | 5 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 2 | 5 | 0 | 3 | 0 | 0 | 0 | 3 | 2 | 10 | 29 |
| 0300 | 4 | 0 | 0 | 1-10 | 2 | 0 | 3 | 4 | 1 | 2 | 0 | 0 | 0 | 1 | 2 | 4 | 19 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 3 | 4 | 1 | 2 | 0 | 0 | 0 | 2 | 3 | 8 | 27 |
| 0600 | 0 | 0 | 0 | 1-10 | 2 | 0 | 3 | 2 | 1 | 0 | 3 | 3 | 1 | 0 | 1 | 3 | 19 |
| | | | | 11 27 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 6 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 4 | 3 | 1 | 0 | 3 | 3 | 1 | 3 | 1 | 9 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 5 | 3 | 0 | 0 | 1 | 0 | 0 | 2 | 5 | 1 | 17 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 1 | 7 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 5 | 3 | 1 | 0 | 1 | 0 | 1 | 5 | 6 | 8 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 16 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 9 | 10 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 11 |
| | | | | 11-27 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 12 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 6 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 22 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 6 | 31 |
| 2100 | 3 | 0 | 0 | 1-10 | 4 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 5 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 9 | 28 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DEKHEILA (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 314 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1—10 | 6 | 1 | 0 | 3 | 5 | 0 | 1 | 0 | 0 | 0 | 5 | 8 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 0 | 3 | 5 | 1 | 1 | 0 | 0 | 0 | 5 | 8 | 30 |
| 0300 | 2 | 0 | 0 | 1—10 | 7 | 0 | 0 | 2 | 4 | 3 | 1 | 1 | 0 | 0 | 3 | 8 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 0 | 2 | 4 | 3 | 1 | 1 | 0 | 0 | 3 | 8 | 29 |
| 0600 | 0 | 0 | 0 | 1—10 | 8 | 1 | 0 | 0 | 7 | 0 | 0 | 1 | 5 | 0 | 3 | 5 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 1 | 0 | 0 | 7 | 1 | 0 | 1 | 5 | 0 | 3 | 5 | 31 |
| 0900 | 0 | 0 | 0 | 1 10 | 5 | 0 | 0 | 1 | 4 | 3 | 1 | 0 | 0 | 3 | 6 | 8 | 31 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 1 | 4 | 3 | 1 | 0 | 0 | 3 | 6 | 8 | 31 |
| 1200 | 0 | 0 | 0 | 1—10 | 6 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 10 | 31 |
| 1500 | 0 | 0 | 0 | 1—10 | 9 | 3 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 31 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 3 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 31 |
| 1800 | 0 | 0 | 0 | 1—10 | 5 | 3 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 31 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 31 |
| 2100 | 1 | 0 | 0 | 1—10 | 7 | 0 | 0 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 29 |
| | | | | 11—27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 1 | 0 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 30 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## PORT SAID (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 2 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 2 | 3 | 2 | 2 | 19 |
| | | | | 11–27 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 2 | 4 | 2 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 4 | 4 | 2 | 0 | 0 | 0 | 4 | 7 | 4 | 2 | 31 |
| 0300 | 0 | 0 | 0 | 1–10 | 1 | 0 | 3 | 2 | 1 | 4 | 0 | 0 | 4 | 2 | 1 | 2 | 20 |
| | | | | 11–27 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 5 | 2 | 0 | 1 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 4 | 3 | 2 | 4 | 0 | 0 | 9 | 4 | 1 | 3 | 31 |
| 0600 | 0 | 0 | 0 | 1–10 | 0 | 0 | 1 | 3 | 1 | 0 | 2 | 2 | 4 | 4 | 0 | 1 | 18 |
| | | | | 11–27 | 1 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 5 | 2 | 0 | 1 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 2 | 5 | 1 | 0 | 3 | 2 | 9 | 6 | 0 | 2 | 31 |
| 0900 | 0 | 0 | 0 | 1–10 | 3 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 3 | 4 | 4 | 4 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 2 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 5 | 1 | 0 | 1 | 0 | 0 | 6 | 5 | 4 | 6 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 5 | 3 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 20 |
| | | | | 11–27 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 2 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 1 | 6 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 3 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 |
| | | | | 11–27 | 4 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 19 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 7 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 31 |
| 1800 | 0 | 0 | 0 | 1–10 | 2 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 16 |
| | | | | 11–27 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 9 | 31 |
| 2100 | 0 | 0 | 0 | 1–10 | 4 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 2 | 20 |
| | | | | 11–27 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 6 | 3 | 0 | 0 | 0 | 0 | 1 | 4 | 6 | 3 | 31 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## EL ARISH — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 314 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 12 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 4 | 3 | 1 | 6 | 3 | 0 | 1 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 4 | 3 | 1 | 6 | 3 | 0 | 1 | 19 |
| 0300 | 10 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 2 | 9 | 2 | 1 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 2 | 9 | 2 | 1 | 0 | 21 |
| 0600 | 10 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 5 | 7 | 2 | 2 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 5 | 7 | 2 | 2 | 0 | 21 |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 5 | 1 | 1 | 0 | 2 | 3 | 0 | 0 | 4 | 6 | 4 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 5 | 1 | 1 | 0 | 2 | 3 | 0 | 3 | 4 | 6 | 4 | 31 |
| 1200 | 1 | 0 | 0 | 1-10 | 3 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 8 | 5 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 8 | 5 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 9 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 6 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 6 | 31 |
| 1800 | 9 | 0 | 0 | 1-10 | 3 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 3 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 3 | 22 |
| 2100 | 16 | 0 | 0 | 1-10 | 2 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 2 | 4 | 1 | 1 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 2 | 4 | 1 | 1 | 15 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABU SUEIR (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 12 | 0 | 0 | 1-10 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 6 | 2 | 2 | 1 | 16 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 1 | 7 | 3 | 2 | 1 | 19 |
| 0300 | 13 | 0 | 0 | 1-10 | 0 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 9 | 0 | 2 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 9 | 2 | 2 | 0 | 18 |
| 0600 | 10 | 0 | 0 | 1-10 | 0 | 1 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 4 | 2 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 1 | 9 |
| | | | | 28-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 1 | 0 | 0 | 4 | 0 | 5 | 5 | 2 | 1 | 21 |
| 0900 | 2 | 0 | 0 | 1-10 | 1 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 2 | 1 | 15 |
| | | | | 11-27 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 5 | 3 | 1 | 0 | 2 | 0 | 0 | 2 | 7 | 6 | 2 | 29 |
| 1200 | 1 | 0 | 0 | 1-10 | 3 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 15 |
| | | | | 11-27 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 5 | 1 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 2 | 5 | 7 | 4 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| | | | | 11-27 | 11 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 2 | 27 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 2 | 31 |
| 1800 | 2 | 0 | 0 | 1-10 | 3 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 16 |
| | | | | 11-27 | 2 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 1 | 29 |
| 2100 | 9 | 0 | 0 | 1-10 | 3 | 3 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 18 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 3 | 4 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 1 | 22 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## CAIRO (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 7 | 0 | 0 | 1-10 | 2 | 0 | 3 | 7 | 0 | 1 | 5 | 3 | 0 | 0 | 1 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 4 | 7 | 1 | 1 | 5 | 3 | 0 | 0 | 1 | 0 | 24 |
| 0300 | 9 | 0 | 0 | 1-10 | 1 | 0 | 1 | 5 | 2 | 0 | 7 | 4 | 0 | 0 | 0 | 1 | 21 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 2 | 5 | 2 | 0 | 7 | 4 | 0 | 0 | 0 | 1 | 22 |
| 0600 | 11 | 0 | 0 | 1-10 | 2 | 2 | 4 | 0 | 2 | 0 | 1 | 3 | 1 | 2 | 1 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 4 | 0 | 2 | 0 | 1 | 4 | 2 | 2 | 1 | 0 | 20 |
| 0900 | 0 | 0 | 0 | 1-10 | 9 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 2 | 3 | 6 | 1 | 25 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 4 | 4 | 7 | 1 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 7 | 4 | 20 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 5 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 12 | 4 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 5 | 21 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 2 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 11 | 7 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 3 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 6 | 27 |
| | | | | 11-27 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 6 | 31 |
| 2100 | 4 | 0 | 0 | 1-10 | 3 | 1 | 9 | 3 | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 1 | 25 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 11 | 3 | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 1 | 27 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALMAZA (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 2 | 0 | 2 | 1-10 | 2 | 4 | 2 | 3 | 4 | 4 | 0 | 3 | 0 | 1 | 1 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 3 | 4 | 4 | 4 | 1 | 3 | 0 | 1 | 1 | 0 | 27 |
| 0300 | 3 | 0 | 0 | 1-10 | 3 | 4 | 0 | 0 | 4 | 3 | 3 | 3 | 0 | 0 | 1 | 1 | 22 |
| | | | | 11-27 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 1 | 2 | 4 | 3 | 4 | 3 | 0 | 2 | 1 | 1 | 28 |
| 0600 | 5 | 0 | 0 | 1-10 | 3 | 4 | 0 | 0 | 5 | 0 | 2 | 1 | 2 | 3 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 7 | 0 | 0 | 5 | 0 | 3 | 2 | 2 | 4 | 0 | 0 | 26 |
| 0900 | 0 | 0 | 2 | 1-10 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 2 | 16 |
| | | | | 11-27 | 1 | 4 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 7 | 2 | 4 | 0 | 0 | 0 | 2 | 2 | 4 | 3 | 3 | 29 |
| 1200 | 0 | 1 | 0 | 1-10 | 3 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 14 |
| | | | | 11-27 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 2 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 4 | 8 | 4 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 18 |
| | | | | 11-27 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 7 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 3 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 23 |
| | | | | 11-27 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 12 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 31 |
| 2100 | 0 | 0 | 0 | 1-10 | 4 | 8 | 4 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 2 | 5 | 27 |
| | | | | 11-27 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 9 | 5 | 3 | 0 | 1 | 0 | 1 | 0 | 1 | 2 | 5 | 31 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABBASIYA (H.Q.) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 11 | 0 | 0 | 1-10 | 7 | 1 | 3 | 5 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 1 | 3 | 5 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 20 |
| 0300 | 15 | 0 | 0 | 1-10 | 4 | 2 | 1 | 4 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 1 | 4 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | 16 |
| 0600 | 1 | 0 | 0 | 1-10 | 6 | 0 | 4 | 2 | 5 | 0 | 0 | 3 | 1 | 1 | 3 | 3 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 4 | 2 | 5 | 0 | 0 | 4 | 1 | 2 | 3 | 3 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 6 | 2 | 2 | 2 | 0 | 0 | 0 | 4 | 0 | 7 | 0 | 4 | 27 |
| | | | | 11-27 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 3 | 2 | 0 | 2 | 0 | 4 | 1 | 7 | 0 | 4 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 5 | 6 | 26 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 7 | 6 | 31 |
| 1500 | 1 | 0 | 0 | 1-10 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 10 | 25 |
| | | | | 11-27 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 11 | 30 |
| 1800 | 3 | 0 | 0 | 1-10 | 10 | 6 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 6 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 28 |
| 2100 | 4 | 0 | 0 | 1-10 | 5 | 9 | 5 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 4 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 9 | 5 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 4 | 27 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MOSTAFA HELMI (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 3 | 2 | 4 | 2 | 2 | 0 | 0 | 1 | 4 | 3 | 0 | 1 | 22 |
| | | | | 11-27 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 6 | 4 | 2 | 0 | 0 | 1 | 4 | 3 | 1 | 2 | 29 |
| 0300 | 2 | 0 | 0 | 1-10 | 1 | 2 | 2 | 2 | 2 | 0 | 1 | 1 | 5 | 2 | 2 | 2 | 22 |
| | | | | 11-27 | 1 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 5 | 2 | 2 | 0 | 2 | 1 | 7 | 2 | 2 | 2 | 29 |
| 0600 | 0 | 0 | 0 | 1-10 | 0 | 1 | 0 | 4 | 2 | 0 | 4 | 1 | 5 | 1 | 0 | 2 | 20 |
| | | | | 11-27 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 2 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 2 | 5 | 2 | 0 | 4 | 2 | 7 | 2 | 0 | 4 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 1 | 16 |
| | | | | 11-27 | 1 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 2 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 4 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 11 |
| | | | | 11-27 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 7 | 4 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 9 | 8 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 11 |
| | | | | 11-27 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 6 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 9 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 |
| | | | | 11-27 | 6 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 14 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 31 |
| 2100 | 0 | 0 | 0 | 1-10 | 5 | 3 | 3 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 4 | 20 |
| | | | | 11-27 | 1 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 10 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 6 | 31 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**GIZA — MARCH 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 315 / 314 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 15 | 0 | 0 | 1-10 | 2 | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 6 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 6 | 16 |
| 0300 | 18 | 0 | 0 | 1-10 | 4 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 2 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 2 | 13 |
| 0600 | 10 | 0 | 0 | 1-10 | 2 | 3 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 1 | 4 | 4 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 1 | 4 | 4 | 21 |
| 0900 | 0 | 0 | 0 | 1-10 | 3 | 3 | 4 | 0 | 0 | 2 | 0 | 0 | 1 | 5 | 9 | 4 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 4 | 0 | 0 | 2 | 0 | 0 | 1 | 5 | 9 | 4 | 31 |
| 1200 | 0 | 0 | 1 | 1-10 | 6 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 6 | 7 | 6 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 6 | 7 | 6 | 30 |
| 1500 | 0 | 0 | 1 | 1-10 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 10 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 10 | 30 |
| 1800 | 1 | 0 | 0 | 1-10 | 7 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 30 |
| 2100 | 10 | 0 | 0 | 1-10 | 5 | 5 | 5 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 5 | 5 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 21 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MINYA (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 16 | 22 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 18 | 26 |
| 0300 | 8 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 14 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 15 | 23 |
| 0600 | 7 | 0 | 0 | 1-10 | 2 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 21 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 24 |
| 0900 | 1 | 0 | 0 | 1-10 | 4 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 8 | 2 | 21 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 8 | 7 | 30 |
| 1200 | 1 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 11 | 17 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 7 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 18 | 30 |
| 1500 | 2 | 0 | 0 | 1-10 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 11 | 21 |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 13 | 29 |
| 1800 | 3 | 0 | 0 | 1-10 | 12 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 9 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 9 | 28 |
| 2100 | 8 | 0 | 0 | 1-10 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 10 | 20 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 12 | 23 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ASYOUT (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 11 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 3 | 3 | 4 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 3 | 3 | 4 | 20 |
| 0300 | 10 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 8 | 6 | 4 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 8 | 6 | 4 | 0 | 21 |
| 0600 | 10 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 12 | 1 | 4 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 12 | 1 | 4 | 21 |
| 0900 | 11 | 0 | 0 | 1-10 | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 6 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 2 | 6 | 20 |
| 1200 | 4 | 0 | 0 | 1-10 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 15 | 24 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 16 | 27 |
| 1500 | 3 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 18 | 26 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 18 | 28 |
| 1800 | 8 | 0 | 0 | 1-10 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 9 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 9 | 23 |
| 2100 | 10 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 14 | 2 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 14 | 2 | 0 | 21 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## LUXOR (A) — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 15 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 3 | 7 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 3 | 7 | 1 | 0 | 0 | 16 |
| 0300 | 13 | 0 | 0 | 1-10 | 0 | 1 | 0 | 1 | 0 | 3 | 7 | 0 | 0 | 0 | 4 | 2 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 1 | 0 | 3 | 7 | 0 | 0 | 0 | 4 | 2 | 18 |
| 0600 | 18 | 0 | 0 | 1-10 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 2 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 2 | 13 |
| 0900 | 1 | 0 | 0 | 1-10 | 3 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 2 | 1 | 8 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 4 | 1 | 16 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 4 | 14 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 6 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 5 | 20 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 4 | 13 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 5 | 16 | 31 |
| 1800 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 5 | 6 | 7 | 23 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 5 | 7 | 7 | 25 |
| 2100 | 6 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 4 | 5 | 3 | 2 | 1 | 1 | 8 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 4 | 5 | 3 | 2 | 1 | 1 | 8 | 25 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ASWAN — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 18 | 0 | 0 | 1-10 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 |
| 0300 | 18 | 0 | 0 | 1-10 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 13 |
| 0600 | 16 | 0 | 0 | 1-10 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 0900 | 4 | 0 | 0 | 1-10 | 14 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 26 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 27 |
| 1200 | 5 | 0 | 0 | 1-10 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 22 |
| | | | | 11-27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 5 | 26 |
| 1500 | 5 | 0 | 0 | 1-10 | 22 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 22 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 1800 | 12 | 0 | 0 | 1-10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 16 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 19 |
| 2100 | 14 | 0 | 0 | 1-10 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 16 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speed | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 17 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**SIWA — MARCH 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 10 | 0 | 0 | 1-10 | 2 | 2 | 2 | 6 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 2 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 2 | 6 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 4 | 21 |
| 0300 | 16 | 0 | 0 | 1-10 | 0 | 5 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 12 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 5 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 15 |
| 0600 | 15 | 0 | 0 | 1-10 | 1 | 3 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 2 | 0 | 3 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 2 | 0 | 5 | 16 |
| 0900 | 2 | 0 | 0 | 1-10 | 2 | 1 | 0 | 3 | 0 | 7 | 1 | 2 | 0 | 0 | 3 | 3 | 22 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 0 | 3 | 0 | 8 | 2 | 2 | 0 | 0 | 3 | 6 | 29 |
| 1200 | 0 | 0 | 0 | 1-10 | 4 | 1 | 3 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 3 | 3 | 19 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 3 | 2 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 1 | 3 | 0 | 3 | 2 | 1 | 3 | 0 | 0 | 6 | 5 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 6 | 2 | 3 | 0 | 0 | 1 | 1 | 2 | 0 | 7 | 0 | 0 | 22 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 2 | 3 | 0 | 0 | 1 | 1 | 3 | 0 | 7 | 0 | 5 | 31 |
| 1800 | 1 | 0 | 0 | 1-10 | 2 | 1 | 2 | 1 | 3 | 4 | 0 | 0 | 0 | 5 | 5 | 5 | 28 |
| | | | | 11-27 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 3 | 1 | 3 | 4 | 0 | 0 | 0 | 5 | 5 | 5 | 30 |
| 2100 | 8 | 0 | 0 | 1-10 | 2 | 1 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 17 |
| | | | | 11-27 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 2 | 6 | 2 | 0 | 0 | 0 | 0 | 3 | 1 | 3 | 23 |

**TABLE A 8.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## BAHARIYA — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 23 | 0 | 0 | 1-10 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 8 |
| 0300 | 29 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| 0600 | 27 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 |
| 0900 | 13 | 0 | 0 | 1-10 | 2 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 14 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 18 |
| 1200 | 11 | 0 | 0 | 1-10 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 7 | 20 |
| 1500 | 10 | 0 | 0 | 1-10 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 14 |
| | | | | 11-27 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 11 | 21 |
| 1800 | 15 | 0 | 0 | 1-10 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 12 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 16 |
| 2100 | 20 | 0 | 0 | 1-10 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 11 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DAKHLA—MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 314 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 10 | 0 | 0 | 1-10 | 2 | 1 | 0 | 2 | 0 | 0 | 1 | 2 | 2 | 4 | 4 | 3 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 2 | 0 | 0 | 1 | 2 | 2 | 4 | 4 | 3 | 21 |
| 0300 | 11 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 2 | 3 | 2 | 1 | 7 | 2 | 2 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 2 | 3 | 2 | 1 | 7 | 2 | 2 | 20 |
| 0600 | 5 | 0 | 0 | 1-10 | 1 | 1 | 3 | 0 | 2 | 0 | 1 | 1 | 3 | 8 | 5 | 1 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 3 | 0 | 2 | 0 | 1 | 1 | 3 | 8 | 5 | 1 | 26 |
| 0900 | 0 | 0 | 0 | 1-10 | 8 | 4 | 3 | 1 | 2 | 0 | 1 | 1 | 0 | 3 | 2 | 5 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 4 | 3 | 1 | 2 | 0 | 1 | 1 | 1 | 3 | 2 | 5 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 4 | 2 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 6 | 2 | 12 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 6 | 2 | 12 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 8 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 13 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 13 | 31 |
| 1800 | 6 | 0 | 0 | 1-10 | 8 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 8 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 8 | 25 |
| 2100 | 8 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 1 | 6 | 7 | 3 | 2 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 1 | 6 | 7 | 3 | 2 | 23 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## HURGHADA — MARCH 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 8 | 3 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 4 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 16 | 8 | 30 |
| 0300 | 1 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 5 | 1 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9 | 4 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 14 | 7 | 39 |
| 0600 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 15 | 29 |
| 0900 | 0 | 0 | 0 | 1-10 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| | | | | 11-27 | 13 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 22 |
| | | | | 28-47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 17 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 |
| | | | | 11-27 | 12 | 4 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| | | | | 28-47 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 7 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 31 |
| 1500 | 1 | 0 | 0 | 1-10 | 6 | 0 | 2 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 13 |
| | | | | 11-27 | 7 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 1 | 2 | 2 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 8 | 30 |
| 1800 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 5 | 0 | 2 | 10 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 10 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 5 | 5 | 12 | 26 |
| 2100 | 2 | 0 | 0 | 1-10 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 3 | 4 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 4 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 9 | 9 | 8 | 29 |

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A)—0000 U.T.—MARCH 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N. | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 25 | 970mb. | 980mb. | 964mb. | 25 | 5.6 | 12.3 | — 1.4 | 25 | 0.9 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 25 | 1466 | 1547 | 1407 | 25 | 3.0 | 14.1 | — 4.8 | 25 | — 4.7 |
| 700 ... ... ... ... | 25 | 3011 | 3192 | 2910 | 25 | — 6.8 | 2.0 | —16.9 | 25 | —14.7 |
| 600 ... ... ... ... | 25 | 4197 | 4394 | 4058 | 25 | —14.0 | — 6.2 | —22.9 | 25 | —23.9 |
| 500 ... ... ... ... | 25 | 5555 | 5762 | 5365 | 25 | —22.9 | —14.8 | —31.5 | 25 | —33.0 |
| 400 ... ... ... ... | 25 | 7154 | 7364 | 6922 | 25 | —34.0 | —28.3 | —42.1 | 25 | —43.7 |
| 300 ... ... ... ... | 25 | 9105 | 9340 | 8830 | 25 | —47.6 | —42.4 | —53.5 | 23 | —56.4 |
| 200 ... ... ... ... | 24 | 11724 | 11980 | 11420 | 24 | —54.4 | —47.3 | —66.3 | 16 | —62.7 |
| 150 ... ... ... ... | 18 | 13585 | 13850 | 13100 | 18 | —54.2 | —48.2 | —63.0 | 3 | —59.4 |
| 100 ... ... ... ... | 16 | 16141 | 16390 | 15860 | 16 | —59.0 | —53.0 | —67.6 | — | — |
| 60 ... ... ... ... | 12 | 19315 | 19416 | 18909 | 12 | —59.4 | —54.1 | —69.0 | — | — |
| 40 ... ... ... ... | 8 | 21813 | 21963 | 21298 | 8 | —62.7 | —56.3 | —75.3 | — | — |
| 30 ... ... ... ... | 5 | 23647 | 23739 | 23580 | 5 | —61.9 | —59.5 | —63.7 | — | — |
| 20 ... ... ... ... | 3 | 25678 | 26094 | 24865 | 3 | —62.7 | —60.7 | —63.8 | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A)—1200 U.T —MARCH 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N. | Mean | Highest | Lowest | N. | Mean | Highest | Lowest | N. | Mean |
| Surface ... ... ... | 30 | 970mb. | 979mb. | 962mb. | 30 | 15.2 | 22.5 | 6.9 | 30 | 3.3 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 30 | 1481 | 1561 | 1403 | 30 | 5.6 | 12.7 | — 3.5 | 30 | — 1.9 |
| 700 ... ... ... ... | 30 | 3038 | 3133 | 2910 | 30 | — 3.8 | 5.7 | —14.5 | 30 | —12.6 |
| 600 ... ... ... ... | 30 | 4237 | 4369 | 4069 | 30 | —10.7 | — 3.2 | —23.3 | 30 | —20.9 |
| 500 ... ... ... ... | 30 | 5613 | 5772 | 5395 | 30 | —20.0 | —12.0 | —32.9 | 30 | —30.9 |
| 400 ... ... ... ... | 30 | 7229 | 7419 | 6950 | 30 | —31.3 | —25.5 | —39.0 | 30 | —41.4 |
| 300 ... ... ... ... | 30 | 9205 | 9440 | 8900 | 30 | —45.1 | —40.5 | —51.3 | 21 | —55.7 |
| 200 ... ... ... ... | 24 | 11828 | 12070 | 11540 | 24 | —53.9 | —46.5 | —62.8 | 9 | —61.3 |
| 150 ... ... ... ... | 20 | 13674 | 13880 | 13360 | 20 | —54.0 | —50.1 | —62.2 | — | — |
| 100 ... ... ... ... | 15 | 16262 | 16440 | 15950 | 15 | —57.9 | —54.1 | —64.6 | — | — |
| 60 ... ... ... ... | 7 | 19329 | 19655 | 18096 | 7 | —60.8 | —55.9 | —68.3 | — | — |
| 40 ... ... ... ... | 4 | 22017 | 22167 | 21709 | 4 | —63.7 | —60.0 | —71.1 | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.— UPPER AIR CLIMATOLOGICAL DATA

### MERSA MATRUH (A) — 0000 U.T. — MARCH 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 25 | 1012mb | 1017mb | 1002mb | 25 | 12.3 | 15·5 | 9·8 | 25 | 8.3 |
| 1000 ... ... ... ... | 25 | 141 | 185 | 59 | 25 | 12.2 | 15·6 | 9·8 | 22 | 8·2 |
| 850 ... ... ... ... | 25 | 1487 | 1534 | 1430 | 25 | 5.5 | 14·7 | — 0·9 | 18 | — 1·5 |
| 700 ... ... ... ... | 25 | 3054 | 3106 | 2982 | 25 | — 1·8 | 4·0 | — 7·0 | 9 | —10.7 |
| 600 ... ... ... ... | 25 | 4264 | 4329 | 4175 | 25 | — 9·2 | — 2·8 | —13·0 | 4 | —16.9 |
| 500 ... ... ... ... | 25 | 5648 | 5749 | 5559 | 25 | —19·1 | —13·2 | —23·4 | 3 | —26.1 |
| 400 ... ... ... ... | 23 | 7280 | 7411 | 7183 | 23 | —31·1 | —25·8 | —38·3 | — | — |
| 300 ... ... ... ... | 15 | 9231 | 9425 | 9114 | 15 | —46·3 | —42·2 | —51·3 | — | — |
| 200 ... ... ... ... | 5 | 11774 | 11826 | 11719 | 5 | —55.0 | —49.9 | —59.1 | — | — |
| 150 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

### MERSA MATRUH (A) — 1200 U.T. — MARCH 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1012mb | 1017mb | 1004mb | 29 | 18·6 | 27·1 | 15·5 | 29 | 9·5 |
| 1000 ... ... ... ... | 28 | 141 | 186 | 76 | 28 | 17·5 | 26·7 | 14·6 | 28 | 8·9 |
| 850 ... ... ... ... | 28 | 1501 | 1564 | 1450 | 28 | 7.0 | 14.1 | 0.9 | 28 | — 2·5 |
| 700 ... ... ... ... | 28 | 3078 | 3166 | 3015 | 28 | 0·2 | 7·2 | — 5·4 | 9 | — 9·6 |
| 600 ... ... ... ... | 28 | 4298 | 4412 | 4214 | 28 | — 7·2 | 0·1 | —12·2 | 9 | —17.8 |
| 500 ... ... ... ... | 28 | 5693 | 5820 | 5581 | 28 | —16·9 | —10·8 | —23·6 | — | — |
| 400 ... ... ... ... | 24 | 7328 | 7570 | 7177 | 24 | —29·4 | —23·9 | —35·0 | — | — |
| 300 ... ... ... ... | 16 | 9345 | 9598 | 9170 | 16 | —44·3 | —40.4 | —49·3 | — | — |
| 200 ... ... ... ... | 6 | 11954 | 12228 | 11777 | 6 | —56.2 | —49.0 | —62.0 | — | — |
| 150 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 0000 U.T. — MARCH 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 28 | 1010mb | 1016mb | 1002mb | 28 | 13·1 | 19·0 | 9·0 | 28 | 8·1 |
| 1000 ... ... ... ... | 28 | 156 | 204 | 87 | 27 | 12·6 | 19·2 | 8·0 | 27 | 7·4 |
| 850 ... ... ... ... | 28 | 1511 | 1570 | 1480 | 28 | 6·3 | 17·3 | — 2·7 | 24 | — 2·8 |
| 700 ... ... ... ... | 28 | 3084 | 3171 | 3026 | 28 | — 0·1 | 6·1 | — 7·2 | 9 | —10·4 |
| 600 ... ... ... ... | 28 | 4301 | 4392 | 4209 | 28 | — 7.5 | — 2·0 | —14·8 | 7 | —16.6 |
| 500 ... ... ... .. | 28 | 5698 | 5807 | 5560 | 28 | —16·9 | —10·9 | —24·0 | 5 | —25.8 |
| 400 ... ... ... ... | 28 | 7332 | 7463 | 7154 | 28 | —29.6 | —25·0 | —37·5 | 5 | —39.2 |
| 300 ... ... ... ... | 26 | 9313 | 9491 | 9128 | 26 | —44·7 | —39·4 | —51·0 | — | — |
| 200 ... ... ... ... | 18 | 11955 | 12137 | 11776 | 18 | —55·9 | —50·0 | —63·8 | — | — |
| 150 ... ... ... ... | 10 | 13784 | 13935 | 13675 | 10 | —59.1 | —51.0 | —63.2 | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 1200 U.T. — MARCH 1959

| Pressure Surface (Millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 27 | 1010mb. | 1015mb. | 1004mb. | 27 | 21·4 | 28·0 | 13·0 | 27 | 7·2 |
| 1000 ... ... ... ... | 27 | 155 | 198 | 105 | 27 | 20·5 | 27·6 | 15·7 | 27 | 6·8 |
| 850 ... ... ... ... | 27 | 1526 | 1570 | 1490 | 27 | 7·7 | 16·5 | 0.0 | 23 | 0·2 |
| 700 ... ... ... ... | 27 | 3102 | 3172 | 3046 | 27 | 0·3 | 6·5 | — 8·3 | 8 | —13·0 |
| 600 ... ... ... ... | 27 | 4324 | 4414 | 4259 | 27 | — 6.6 | — 1·5 | —13·0 | 5 | —19·5 |
| 500 ... ... ... ... | 27 | 5724 | 5876 | 5595 | 27 | —15.8 | —11.2 | —22·6 | 3 | —26.7 |
| 400 ... ... ... ... | 27 | 7365 | 7486 | 7189 | 27 | —27·9 | —22·2 | —36·8 | 2 | —37.8 |
| 300 ... ... ... ... | 22 | 9354 | 9568 | 9142 | 22 | —43·4 | —35·5 | —49·6 | — | — |
| 200 ... ... ... ... | 13 | 11975 | 12245 | 11804 | 13 | —54·8 | —44·8 | —59·6 | — | — |
| 150 ... ... ... ... | 9 | 13753 | 13985 | 13627 | 9 | —56.5 | —52·8 | —61·4 | — | — |
| 100 ... ... ... ... | 8 | 16296 | 16489 | 16189 | 8 | —64.1 | —61·6 | —68.8 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 0000 U.T. — MARCH 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 27 | 1003mb | 1009mb | 997mb | 27 | 16.3 | 21.9 | 9.2 | 27 | 1.6 |
| 1000 ... ... ... ... | 23 | 135 | 181 | 106 | 23 | 15.7 | 21.9 | 10.2 | 23 | 0 9 |
| 850 ... ... ... ... | 27 | 1503 | 1538 | 1466 | 27 | 10.5 | 18.0 | 2.2 | 17 | — 4.7 |
| 700 ... ... ... ... | 27 | 3104 | 3154 | 3052 | 27 | 3.8 | 9.3 | — 2.5 | 6 | —12.2 |
| 600 ... ... ... ... | 27 | 4340 | 4407 | 4271 | 27 | — 3.3 | 2.0 | —11.5 | 3 | —16.6 |
| 500 ... ... ... ... | 27 | 5756 | 5899 | 5635 | 27 | —12.6 | — 8.1 | —20.4 | 4 | —20.0 |
| 400 ... ... ... ... | 27 | 7420 | 7538 | 7268 | 27 | —25.1 | —21.3 | —32.8 | 6 | —32.9 |
| 300 ... ... ... ... | 27 | 9452 | 9594 | 9253 | 27 | —40.8 | —35.3 | —43.7 | 4 | —45.4 |
| 200 ... ... ... ... | 27 | 12192 | 12260 | 11934 | 27 | —55.2 | —50.6 | —60.5 | — | — |
| 150 ... ... ... ... | 26 | 13933 | 14054 | 13718 | 26 | —64.9 | —60.2 | —69.8 | — | — |
| 100 ... ... ... ... | 18 | 16346 | 16501 | 16233 | 18 | —74.3 | —69.8 | —78.0 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 1200 U.T. — MARCH 1959

| Pressure surface (millibar) | Heights of pressurs surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 25 | 1002mb | 1007mb | 998mb | 25 | 28.0 | 35.5 | 21.0 | 25 | 1.5 |
| 1000 ... ... ... ... | 21 | 145 | 167 | 106 | 21 | 26.9 | 34.5 | 20.2 | 18 | 0.9 |
| 850 ... ... ... ... | 25 | 1525 | 1563 | 1488 | 25 | 15.0 | 24.8 | 8.6 | 14 | — 5.3 |
| 700 ... ... ... ... | 25 | 3141 | 3201 | 3100 | 25 | 7.1 | 13.2 | 0.1 | 10 | —10.2 |
| 600 ... ... ... ... | 25 | 4390 | 4473 | 4321 | 25 | — 0.4 | 6.2 | — 7.8 | 4 | —11.7 |
| 500 ... ... ... ... | 25 | 5822 | 5931 | 5729 | 25 | —10.5 | — 5.0 | —16.8 | 4 | —22.1 |
| 400 ... ... ... ... | 24 | 7504 | 7637 | 7392 | 24 | —22.4 | —16.7 | — 27.2 | 4 | —34.7 |
| 300 ... ... ... ... | 24 | 9555 | 9709 | 9416 | 24 | —37.9 | —33.1 | —42.5 | 3 | —46 2 |
| 200 ... ... ... ... | 23 | 12251 | 12422 | 12092 | 23 | —53 6 | —48.5 | —60.0 | — | — |
| 150 ... ... ... ... | 23 | 14060 | 14203 | 13832 | 23 | — 62.4 | —57.0 | —67.4 | — | — |
| 100 ... ... ... ... | 21 | 16507 | 16636 | 16327 | 21 | —71.8 | —67.5 | —76.4 | — | — |
| 60 ... ... ... ... | 17 | 19553 | 19750 | 19396 | 17 | —68.2 | —63.3 | —75.3 | — | — |
| 40 ... ... ... ... | 15 | 22045 | 22256 | 21904 | 15 | —58.8 | —54.2 | —68.0 | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

**TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR**

**0000 U.T. — MARCH 1959**

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... ... | 2028 (23) | 797 (23) | —7.4 (23) | 3410 | — | — | 600 | — | — | 10392 (23) | (23) | —55.4 (23) | 12400 | — | — | 7 80 | — | — | — | — | — | — |
| Mersa Matruh (A) ... ... ... ... ... ... ... | 2590 (25) | 731 (25) | —6.7 (14) | 3970 | 627 | — | 1230 | 804 | — 0.6 | 11150 (3) | 29 (3) | —57.9 (3) | 11320 | 214 | —54.8 | 10830 | 230 | —59.9 | 11600 | — | 270 | 94 |
| Cairo (A) ... ... ... ... ... ... ... | 2857 (28) | 724 (28) | —7.1 (14) | 4090 | 620 | — | 1160 | 886 | — 2.0 | 10927 (6) | 234 (6) | —55.9 (6) | 12080 | 194 | —59.5 | 10200 | 260 | —54.5 | 13000 | 169 | 270 | 146 |
| Aswan ... ... ... ... ... ... ... ... ... | 3627 (27) | 646 (27) | —11.6 (5) | 4620 | 582 | — | 2540 | ~~160~~ 770 | — | 13871 (11) | 154 (11) | —65.2 (11) | 15400 | 116 | —71·5 | 12600 | 188 | —61.1 | 11800 | 214 | 280 | 143 |

N — Total number of observations.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 1200 U.T. — MARCH 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... ... | 2462 (30) | 756 (30) | — 9.2 (30) | 3910 | — | — | 1000 | — | — | 11214 (20) | 226 (20) | —54.7 (20) | 16695 | — | — | 9100 | — | — | — | — | — | — |
| Mersa Matruh (A) ... ... ... ... ... ... ... | 3080 (28) | 705 (28) | — 8.8 (13) | 4410 | 600 | — | 1660 | 836 | —3.0 | — | — | — | — | — | — | — | — | — | 12500 | — | 240 | [illegible] |
| Cairo (A) ... ... ... ... ... ... ... | 2983 (27) | 715 (27) | — 3.8 (11) | 4200 | 614 | — | 1530 | 850 | —5.4 | 11285 (6) | 217 (6) | —56.8 (6) | 13530 | 157 | —51.6 | 10630 | 245 | —57.1 | 10400 | — | 260 | 16[illegible] |
| Aswan ... ... ... ... ... ... ... ... ... | 4434 (25) | 606 (25) | —13.5 (4) | 5170 | 552 | — | 3150 | 696 | — | 14713 (20) | 129 (20) | —67.5 (20) | 21400 | 044 | —70.3 | 12150 | 170 | —56.9 | 12000 | 210 | 260 | 130 |

N = Total number of observations.

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## ALEPPO (A) — 0000 U.T. — MARCH 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 5 | 07 | 1 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 12 | 2 | 06 | 3 | 13 | 4 | 08 | 2 | 08 | 1 | 14 | 6 | 25 | 07 |
| 1000 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... | 1 | 04 | 0 | — | 0 | — | 0 | — | 1 | 21 | 0 | — | 0 | — | 0 | — | 1 | 17 | 2 | 11 | 3 | 18 | 1 | 08 | 0 | 9 | 14 |
| 700 ... ... | 2 | 15 | 1 | 13 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 05 | 0 | — | 2 | 17 | 1 | 10 | 0 | 7 | 13 |
| 600 ... ... | 0 | — | 0 | — | 1 | 04 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 14 | 2 | 13 | 2 | 36 | 0 | 7 | 19 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 38 | 1 | 12 | 1 | 50 | 0 | 3 | 33 |
| 400 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 300 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 200 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 150 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

### ALEPPO (A) — 1200 U.T. — MARCH 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360) ° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 3 | 11 | 4 | 10 | 2 | 12 | 3 | 16 | 0 | — | 0 | — | 1 | 10 | 3 | 12 | 5 | 13 | 3 | 19 | 4 | 16 | 1 | 03 | 1 | 30 | 12 |
| 1000 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... | 2 | 07 | 1 | 13 | 0 | — | 0 | — | 2 | 07 | 2 | 13 | 0 | — | 2 | 10 | 1 | 08 | 7 | 10 | 2 | 15 | 1 | 08 | 0 | 20 | 10 |
| 700 ... ... | 1 | 12 | 0 | — | 1 | 17 | 1 | 06 | 0 | — | 1 | 09 | 0 | — | 1 | 18 | 6 | 24 | 2 | 08 | 3 | 21 | 2 | 11 | 0 | 18 | 17 |
| 600 ... ... | 0 | — | 1 | 38 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 21 | 4 | 36 | 3 | 19 | 3 | 12 | 4 | 17 | 0 | 17 | 23 |
| 500 ... ... | 1 | 41 | 0 | — | 2 | 25 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 48 | 4 | 27 | 3 | 15 | 2 | 37 | 0 | 16 | 32 |
| 400 ... ... | 2 | 14 | 0 | — | 2 | 41 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 63 | 2 | 71 | 4 | 39 | 2 | 38 | 2 | 63 | 0 | 15 | 44 |
| 300 ... ... | 1 | 14 | 0 | — | 1 | 36 | 2 | 46 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 44 | 2 | 31 | 2 | 68 | 0 | 11 | 4[illegible] |
| 200 ... ... | 0 | — | 1 | 12 | 0 | — | 2 | 60 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 66 | 1 | 80 | 0 | — | 0 | 7 | 59 |
| 150 ... ... | 0 | — | 0 | — | 1 | 60 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 26 | 1 | 66 | 0 | — | 0 | — | 0 | 4 | 44 |
| 100 ... ... | 0 | — | 0 | — | 1 | 55 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 42 | 2 | 63 | 0 | — | 0 | — | 0 | 4 | 56 |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

**MERSA MATRUH (A) — 0000 U.T. — MARCH 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000—360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind [redacted] (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345—014 | | 015—044 | | 045—074 | | 075—104 | | 105—134 | | 135—164 | | 165—194 | | 195—224 | | 225—254 | | 255—284 | | 285—314 | | 315—344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 1 | 12 | 0 | — | 0 | — | 1 | 10 | 1 | 2 | 1 | 7 | 0 | — | 6 | 8 | 5 | 9 | 3 | 4 | 1 | 8 | 2 | 10 | 4 | 25 | 6 |
| 1000 ... | 2 | 9 | 0 | — | 1 | 6 | 1 | 10 | 1 | 5 | 0 | — | 0 | — | 2 | 8 | 3 | 9 | 1 | 10 | 6 | 8 | 4 | 11 | 1 | 22 | 9 |
| 850 ... | 1 | 11 | 0 | — | 0 | — | 1 | 11 | 0 | — | 0 | — | 0 | — | 2 | 24 | 1 | 17 | 2 | 16 | 9 | 15 | 6 | 16 | 0 | 22 | 16 |
| 700 ... | 1 | 13 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 36 | 3 | 26 | 5 | 24 | 6 | 24 | 6 | 22 | 0 | 23 | 24 |
| 600 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 43 | 5 | 30 | 8 | 27 | 5 | 26 | 0 | 23 | 31 |
| 500 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 48 | 4 | 34 | 9 | 35 | 5 | 33 | 0 | 22 | 37 |
| 400 ... | 1 | 40 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 62 | 3 | 55 | 10 | 39 | 4 | 36 | 0 | 20 | 43 |
| 300 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 62 | 9 | 41 | 2 | 50 | 0 | 13 | 46 |
| 200 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 52 | 1 | 23 | 0 | 5 | 46 |
| 150 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

### MERSA MATRUH (A)—1200 U.T.—MARCH 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 4 | 12 | 0 | — | 3 | 12 | 2 | 12 | 0 | — | 0 | — | 2 | 13 | 0 | — | 0 | — | 1 | 23 | 4 | 15 | 12 | 13 | 0 | 28 | 13 |
| 1000 ... ... | 2 | 12 | 2 | 7 | 2 | 12 | 2 | 13 | 1 | 9 | 0 | — | 1 | 12 | 0 | — | 0 | — | 1 | 17 | 7 | 14 | 10 | 12 | 0 | 28 | 12 |
| 850 ... ... | 1 | 8 | 1 | 13 | 0 | — | 0 | — | 0 | — | 1 | 12 | 0 | — | 4 | 14 | 2 | 14 | 7 | 15 | 6 | 16 | 6 | 17 | 0 | 28 | 15 |
| 700 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 26 | 7 | 23 | 7 | 25 | 8 | 20 | 0 | 28 | 22 |
| 600 ... ... | 1 | 33 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 27 | 3 | 44 | 9 | 32 | 13 | 27 | 1 | 30 | 0 | 28 | 31 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 55 | 5 | 47 | 11 | 40 | 6 | 41 | 5 | 41 | 0 | 28 | [illegible] |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 59 | 8 | 52 | 7 | 52 | 3 | 41 | 0 | 24 | [illegible] |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 66 | 5 | 60 | 5 | 60 | 2 | 43 | 0 | 14 | [illegible] |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 47 | 2 | 66 | 0 | — | 0 | 5 | [illegible] |
| 150 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### CAIRO (A). — 0000 U.T. — MARCH 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 1 | 2 | 0 | — | 5 | 8 | 8 | 6 | 0 | — | 1 | 5 | 3 | 3 | 1 | 9 | 2 | 6 | 0 | — | 1 | 3 | 1 | 3 | 5 | 28 | 5 |
| 1000... ... | 5 | 9 | 3 | 7 | 10 | 10 | 2 | 14 | 0 | — | 0 | — | 0 | — | 2 | 8 | 1 | 6 | 1 | 3 | 2 | 14 | 1 | 5 | 0 | 27 | 9 |
| 850... ... | 4 | 14 | 1 | 7 | 1 | 3 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 4 | 3 | 20 | 5 | 17 | 7 | 15 | 6 | 16 | 0 | 28 | 15 |
| 700... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 43 | 4 | 23 | 7 | 31 | 12 | 22 | 4 | 22 | 0 | 28 | 25 |
| 600... ... | 0 | — | 1 | 17 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 49 | 3 | 41 | 12 | 34 | 7 | 31 | 4 | 37 | 0 | 28 | 34 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 54 | 13 | 41 | 6 | 39 | 3 | 50 | 0 | 28 | 44 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 72 | 14 | 52 | 5 | 48 | 3 | 49 | 0 | 27 | 55 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 66 | 13 | 65 | 2 | 74 | 1 | 50 | 0 | 18 | 65 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 82 | 2 | 98 | 1 | 81 | 0 | — | 0 | 4 | 90 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 103 | 1 | 74 | 0 | — | 0 | 2 | 88 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 80... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ⋮ | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### CAIRO (A) — 1200 U.T. — MARCH 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 6 | 6 | 0 | — | 3 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 13 | 3 | 12 | 10 | 10 | 2 | 10 | 1 | 27 | [illegible] |
| 1000 ... ... | 6 | 8 | 2 | 12 | 2 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 24 | 4 | 11 | 8 | 11 | 3 | 9 | [illegible] | 27 | [illegible] |
| 850 ... ... | 1 | 15 | 2 | 7 | 0 | — | 0 | — | 0 | — | 1 | 4 | 1 | 3 | 2 | 24 | 1 | 33 | 7 | 13 | 4 | 11 | 7 | 14 | 1 | 27 | [illegible] |
| 700 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 31 | 6 | 17 | 9 | 24 | 6 | 20 | 0 | 27 | [illegible] |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 30 | 5 | 41 | 5 | 32 | 14 | 28 | 1 | 29 | 0 | 27 | 31 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 47 | 9 | 44 | 10 | 36 | 2 | 58 | 0 | — | 0 | 26 | 43 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 58 | 10 | 58 | 8 | 44 | 3 | 50 | 0 | — | 0 | 25 | 52 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 78 | 7 | 70 | 4 | 49 | 0 | — | 0 | — | 0 | 13 | 65 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 64 | 2 | 82 | 0 | — | 0 | — | 0 | 5 | 71 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 60 | 1 | 96 | 0 | — | 0 | 3 | 72 |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 80 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### ASWAN— 0000 U.T. — MARCH 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 14 | 7 | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | | — | 0 | — | 2 | 8 | 10 | 27 | 4 |
| 1000... ... | 12 | 5 | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 8 | 8 | 23 | 4 |
| 850... ... | 4 | 10 | 0 | — | 3 | 10 | 0 | — | 1 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 13 | 6 | 9 | 11 | 10 | 0 | 27 | 10 |
| 700... ... | 2 | | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 5 | 0 | — | 1 | 14 | 7 | 21 | 10 | 23 | 6 | 12 | 0 | 27 | 18 |
| 600... ... | 1 | 16 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | | — | 0 | — | 1 | 8 | 14 | 30 | 6 | 31 | 5 | 14 | 0 | 27 | 26 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | | — | 0 | — | 0 | — | 18 | 43 | 7 | 34 | 2 | 18 | 0 | 27 | 39 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 28 | 17 | 59 | 7 | 47 | 1 | 31 | 0 | 27 | 53 |
| 300... ... | 1 | 32 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 75 | 13 | 64 | 6 | 61 | 1 | 35 | 0 | 25 | 63 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 97 | 10 | 73 | 2 | 64 | 1 | 58 | 0 | 14 | 72 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 69 | 2 | 68 | 0 | — | 0 | 9 | 69 |
| 100... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 40 | 0 | — | 0 | — | 0 | 3 | 40 |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### ASWAN. — 1200 U.T. — MARCH 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 14 | 7 | 2 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 10 | 0 | — | 0 | — | 1 | 10 | 1 | 9 | 6 | 25 | [illegible] |
| 1000... ... | 14 | 7 | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 3 | 1 | 9 | 4 | 21 | [illegible] |
| 850... ... | 2 | 17 | 0 | — | 2 | 10 | 1 | 13 | 1 | 13 | 1 | 4 | 0 | — | 0 | — | 0 | — | 1 | 10 | 5 | 16 | 12 | 8 | 0 | 25 | [illegible] |
| 700... ... | 1 | 12 | 0 | — | 1 | 3 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 11 | 6 | 23 | 8 | 29 | 5 | 21 | 0 | 25 | [illegible] |
| 600... ... | 2 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 21 | 12 | 33 | 6 | 32 | 3 | 31 | 0 | 25 | [illegible] |
| 500... ... | 1 | 23 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 28 | 14 | 47 | 6 | 34 | 3 | 26 | 0 | 25 | 39 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 73 | 15 | 55 | 5 | 43 | 3 | 34 | 0 | 24 | 50 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 92 | 14 | 64 | 2 | 58 | 3 | 35 | 0 | 22 | 63 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 9 | 65 | 3 | 74 | 1 | 55 | 0 | 13 | 66 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 45 | 4 | 64 | 5 | 64 | 0 | — | 0 | 10 | 62 |
| 100... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 76 | 3 | 76 | 2 | 58 | 0 | 9 | 66 |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

### MARCH 1959

This month was dry and rather mild in general as compared with the normal values for March at Giza. The mean air temperature at 2 metres above ground was slightly below normal (—0.6°C), the mean relative humidity was slightly above normal (+ 1%) and the total amount of rainfall (tr) was below normal (—4 mms). During this month the absolute values of maximum air temperature and minimum relative humidity at 2 metres above ground were 29.5°C and 23% respectively against 38.2°C and 12% respectively for the same month last year.

The minimum air temperature at 5 cms. above grass (Libia) fell below 0°C on three days only during the first week ; the duration of air temperatures below 0°C on these days are given in the following table in hours (to the nearest half), together with the actual values of the minimum air temperatures.

**AIR TEMPERATURES BELOW 0°C AT 5 Cms. ABOVE GRASS (LIBIA).**

| Date | Minimum air temperature °C | Duration in hours (to the nearest half) of air temperature below the following limits | | | |
|---|---|---|---|---|---|
| | | 0°C | —1°C | —2°C | —3°C |
| 1 | -2.4 | 4 | 3 | 1 | 0 |
| 3 | -1.0 | 1 | 0 | 0 | 0 |
| 4 | -0.5 | 0.5 | 0 | 0 | 0 |

The extreme soil temperatures at different depths during this month were generally lower than the corresponding values for last year (Lower by about 6°C at 0.3 cm. depth, and by about 1°c at 100 cms. depth).

For the month as a whole, the mean wind speed for the day at 2 metres above ground was low (1.9 m/sec.) as compared with the corresponding value (2.1 m/sec) for last March. The total duration of bright sunshine was 39 hours and the total (Solar+sky) radiation was 2260 gm. calories/cm$^2$ less than the corresponding values of last March.

## TABLE C 1.—AIR TEMPERATURE AT 2 METRES ABOVE GROUND; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5 cms. ABOVE GROUND ON DIFFERENT FIELDS

## GIZA — MARCH 1959.

| Date | Air temperature (°C) | | | | | Duration in hours of air temperature above the following values | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Mean of the day | Night time mean | Day time mean | —5 °C | 0°C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40 °C | 45°C |
| 1 | 19.8 | 3.1 | 11.0 | 7 | 14 | 24 | 24 | 21 | 15 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 18.9 | 10.4 | 13.6 | 13 | 15 | 24 | 24 | 24 | 23 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 17.1 | 4.0 | 9.7 | 10 | 13 | 24 | 24 | 23 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 18.5 | 5.1 | 11.1 | 9 | 14 | 24 | 24 | 24 | 16 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 18.5 | 7.5 | 12.1 | 11 | 14 | 24 | 24 | 24 | 19 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 19.2 | 5.6 | 12.7 | 9 | 15 | 24 | 24 | 24 | 16 | 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 21.5 | 7.4 | 14.1 | 12 | 17 | 24 | 24 | 24 | 18 | 13 | 1 | 0 | 0 | 0 | 0 | 0 |
| 8 | 22.0 | 7.9 | 14.0 | 14 | 17 | 24 | 24 | 24 | 22 | 12 | 5 | 0 | 0 | 0 | 0 | 0 |
| 9 | 25.7 | 6.8 | 15.1 | 13 | 19 | 24 | 24 | 24 | 19 | 14 | 8 | 0 | 0 | 0 | 0 | 0 |
| 10 | 27.0 | 8.7 | 16.2 | 14 | 20 | 24 | 24 | 24 | 22 | 16 | 8 | 3 | 0 | 0 | 0 | 0 |
| 11 | 28.8 | 11.7 | 18.5 | 15 | 21 | 24 | 24 | 24 | 24 | 14 | 10 | 4 | 0 | 0 | 0 | 0 |
| 12 | 26.8 | 13.0 | 19·4 | 17 | 22 | 24 | 24 | 24 | 24 | 20 | 10 | 3 | 0 | 0 | 0 | 0 |
| 13 | 24.7 | 8.5 | 16.4 | 14 | 20 | 24 | 24 | 24 | 21 | 16 | 9 | 0 | 0 | 0 | 0 | 0 |
| 14 | 27.8 | 8.8 | 17.7 | 16 | 22 | 24 | 24 | 24 | 22 | 18 | 12 | 6 | 0 | 0 | 0 | 0 |
| 15 | 29.5 | 9.9 | 18.5 | 16 | 23 | 24 | 24 | 24 | 24 | 16 | 10 | 6 | 0 | 0 | 0 | 0 |
| 16 | 24.1 | 11.1 | 16.3 | 16 | 19 | 24 | 24 | 24 | 24 | 15 | 6 | 0 | 0 | 0 | 0 | 0 |
| 17 | 23.3 | 7.8 | 15.6 | 13 | 18 | 24 | 24 | 24 | 19 | 16 | 6 | 0 | 0 | 0 | 0 | 0 |
| 18 | 21.4 | 9.6 | 14.4 | 15 | 16 | 24 | 24 | 24 | 24 | 11 | 1 | 0 | 0 | 0 | 0 | 0 |
| 19 | 21.4 | 9.8 | 14.7 | 13 | 17 | 24 | 24 | 24 | 24 | 11 | 2 | 0 | 0 | 0 | 0 | 0 |
| 20 | 20.7 | 9·5 | 14.3 | 12 | 16 | 24 | 24 | 24 | 24 | 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 19.5 | 9·3 | 13.6 | 12 | 16 | 24 | 24 | 24 | 23 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 19.9 | 7.9 | 12.7 | 11 | 15 | 24 | 24 | 24 | 16 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 21.3 | 7.0 | 13.4 | 10 | 16 | 24 | 24 | 24 | 16 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 21.0 | 6.6 | 13.5 | 12 | 16 | 24 | 24 | 24 | 18 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 19.8 | 6.6 | 13.2 | 12 | 16 | 24 | 24 | 24 | 18 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 22.2 | 6.2 | 14.3 | 11 | 17 | 24 | 24 | 24 | 18 | 12 | 2 | 0 | 0 | 0 | 0 | 0 |
| 27 | 23.8 | 7.2 | 15.1 | 14 | 18 | 24 | 24 | 24 | 19 | 15 | 6 | 0 | 0 | 0 | 0 | 0 |
| 28 | 25.1 | 7.4 | 16.1 | 13 | 19 | 24 | 24 | 24 | 20 | 16 | 9 | 0 | 0 | 0 | 0 | 0 |
| 29 | 28.2 | 9.7 | 17.3 | 16 | 21 | 24 | 24 | 24 | 24 | 15 | 9 | 4 | 0 | 0 | 0 | 0 |
| 30 | 23.9 | 11.2 | 16.8 | 15 | 19 | 24 | 24 | 24 | 24 | 16 | 7 | 0 | 0 | 0 | 0 | 0 |
| 31 | 25·0 | 8.2 | 17.3 | 15 | 20 | 24 | 24 | 24 | 22 | 17 | 11 | 0 | 0 | 0 | 0 | 0 |
| Total ... | — | — | — | — | — | 744 | 744 | 740 | 630 | 383 | 132 | 26 | 0 | 0 | 0 | 0 |
| Mean ... | 22.8 | 8.2 | 14.8 | 12.9 | 17.6 | 24 | 24 | 23.9 | 203 | 12·3 | 4.3 | 0.8 | 0 | 0 | 0 | 0 |

Highest maximum at 2 metres 29.5 °C on 15 th. Highest minimum at 2 metres 13.0 °C on 12 th.
Lowest „ „ „ 17.1 °C on 3 rd. Lowest „ „ 2 „ 3.1 °C on 1 st.
Absolute minimum temperature at 5 cms. above dry soil —0.6 °C on 1 st
„ „ „ „ „ wet „ +0.6 °C „ 1 st
„ „ „ „ „ grass —2.4 °C „ 1 st

## TABLE C 2.—WIND SPEED, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, (SOLAR + SKY) RADIATION, SUNSHINE DURATION, EVAPORATION AND RAINFALL

### GIZA—MARCH 1959

| Date | Wind speed metres per second | | | Solar + sky radiation gm. cal./cm² | Duration of bright sunshine in hours | | | Relative humidity hours of duration | | Relative humidity % | | Vapour pressure in millimetres | | Evaporation in millimetres | | Amount of rainfall in millimetres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean of the day | Night time mean | Day time mean | | Total actual | Total possible | Percentage % | > 90% | > 80% | Mean of the day | at 1200 U.T. | Mean of the day | at 1200 U.T. | Piche | Pan class (A) | |
| 1 | 2.2 | 1.0 | 3.9 | 354 | 7.6 | 11.5 | 66 | 2 | 8 | 75 | 45 | 7.6 | 7.4 | 7·4 | 2.89 | 0 |
| 2 | 2.0 | 1.3 | 3.0 | 260 | 3.5 | 11.6 | 30 | 3 | 10 | 77 | 52 | 8.4 | 8.1 | 5.3 | 4.04 | 0 |
| 3 | 1.3 | 1.0 | 1.8 | 330 | 6.9 | 11.6 | 59 | 8 | 9 | 81 | 45 | 6.8 | 6.0 | 4.3 | 2.85 | 0 |
| 4 | 2.1 | 0.6 | 4.1 | 384 | 7.1 | 11.6 | 61 | 3 | 7 | 68 | 37 | 6.3 | 5.4 | 8.7 | 4.93 | 0 |
| 5 | 2.3 | 1.1 | 3.8 | 406 | 9.6 | 11.6 | 83 | 0 | 1 | 66 | 42 | 6.6 | 6.1 | 7.5 | 4.07 | 0 |
| 6 | 1.3 | 0.6 | 2.2 | 365 | 7.2 | 11.7 | 62 | 0 | 9 | 68 | 52 | 7.9 | 8.0 | 5.1 | 3.60 | 0 |
| 7 | 1.0 | 0.4 | 1.8 | 407 | 7.1 | 11.7 | 61 | 8 | 9 | 79 | 51 | 9.5 | 9.3 | 5.5 | 3.59 | 0 |
| 8 | 2·1 | 1.3 | 3.3 | 468 | 10.1 | 11.7 | 86 | 7 | 9 | 71 | 36 | 7.5 | 6.8 | 11.7 | 7.12 | 0 |
| 9 | 2.7 | 2.5 | 3.0 | 482 | 10.1 | 11.8 | 86 | 4 | 7 | 67 | 23 | 7.1 | 5.2 | 11.8 | 5.99 | 0 |
| 10 | 2.9 | 2.1 | 4.1 | 490 | 10.3 | 11.8 | 87 | 6 | 9 | 75 | 25 | 8.3 | 6.3 | 13.5 | 8.64 | 0 |
| 11 | 2.6 | 3.2 | 1.7 | 426 | 7.2 | 11.8 | 61 | 1 | 9 | 68 | 34 | 9.7 | 9.2 | 8.3 | 5.40 | 0 |
| 12 | 2.4 | 1.4 | 3.7 | 530 | 10.8 | 11.8 | 92 | 0 | 2 | 46 | 30 | 7.6 | 7.4 | 12.9 | 8.28 | 0 |
| 13 | 1.1 | 0.5 | 2.0 | 473 | 9.6 | 11.9 | 81 | 4 | 8 | 66 | 40 | 9.1 | 8.4 | 9.7 | 5.49 | 0 |
| 14 | 1.9 | 1.8 | 2.0 | 480 | 9.0 | 11.9 | 76 | 4 | 6 | 67 | 39 | 9.8 | 10.1 | 10.1 | 5.51 | 0 |
| 15 | 1.7 | 0.8 | 2.9 | 514 | 10.0 | 12.0 | 83 | 4 | 9 | 60 | 38 | 9.7 | 10.3 | 11.1 | 6.97 | 0 |
| 16 | 1.8 | 1.5 | 2.3 | 518 | 10.2 | 12.0 | 85 | 5 | 8 | 69 | 34 | 8.4 | 6.8 | 8.1 | 7.42 | 0 |
| 17 | 1.2 | 0.7 | 2.0 | 488 | 10.4 | 12.0 | 87 | 5 | 8 | 59 | 43 | 8.2 | 7.9 | 7.5 | 6.13 | 0 |
| 18 | 2.2 | 1.5 | 3.3 | 469 | 10.0 | 12.0 | 83 | 6 | 10 | 78 | 51 | 9.2 | 8.8 | 7.9 | 5.67 | 0 |
| 19 | 2.2 | 1.6 | 2.9 | 509 | 10.0 | 12.1 | 83 | 0 | 3 | 63 | 47 | 8.0 | 8.1 | 8.8 | 6.60 | 0 |
| 20 | 2.6 | 1.9 | 3.5 | 378 | 4.7 | 12.1 | 39 | 0 | 10 | 70 | 55 | 8.7 | 9.0 | 7.0 | 5.04 | 0 |
| 21 | 2.5 | 1.8 | 3.4 | 385 | 7.4 | 12.1 | 61 | 0 | 8 | 73 | 49 | 8.2 | 7.9 | 6.8 | 5.94 | 0 |
| 22 | 2.7 | 1.3 | 4.8 | 456 | 8.9 | 12.2 | 73 | 1 | 8 | 72 | 48 | 7.7 | 7.6 | 7.1 | 4.78 | tr |
| 23 | 1.1 | 0.4 | 2.1 | 433 | 8.4 | 12.2 | 69 | 7 | 7 | 70 | 44 | 7.9 | 7.0 | 7.5 | 4.51 | 0 |
| 24 | 1.5 | 1.1 | 2.1 | 449 | 8.9 | 12.2 | 73 | 5 | 7 | 71 | 43 | 8.1 | 7.4 | 6.6 | 4.73 | 0 |
| 25 | 1.9 | 0.9 | 3.4 | 397 | 8.0 | 12.3 | 65 | 3 | 7 | 70 | 45 | 7.9 | 7.2 | 7.2 | 5.17 | 0 |
| 26 | 1.2 | 0.8 | 1.7 | 491 | 8.5 | 12.3 | 69 | 6 | 7 | 59 | 38 | 7.4 | 6.8 | 7.6 | 5·40 | 0 |
| 27 | 1.3 | 1.1 | 1.7 | 544 | 10.9 | 12.3 | 89 | 5 | 7 | 67 | 37 | 8.3 | 7.2 | 7.8 | 6.98 | 0 |
| 28 | 1.3 | 1.1 | 1.4 | 510 | 9.8 | 12.3 | 80 | 8 | 8 | 64 | 29 | 7.7 | 6.4 | 9.1 | 5 44 | 0 |
| 29 | 2.3 | 1.1 | 3.9 | 409 | 6.9 | 12.4 | 56 | 0 | 7 | 66 | 23 | 8.1 | 6.3 | 13.2 | 7.90 | 0 |
| 30 | 1.8 | 1.4 | 2.4 | 517 | 10.0 | 12.4 | 81 | 7 | 8 | 70 | 45 | 9.7 | 9.1 | 8.1 | 6.26 | 0 |
| 31 | 1.5 | 1.3 | 1.9 | 542 | 10.5 | 12.4 | 85 | 4 | 6 | 58 | 41 | 9.2 | 9.0 | 11.2 | 7.94 | 0 |
| TOTAL ... | — | — | — | 13864 | 269.6 | 371.3 | 2252 | 116 | 231 | — | — | — | — | 264.4 | 175 28 | tr |
| Mean ... | 1.9 | 1.3 | 2.8 | 447.2 | 8.7 | 12.0 | 73 | 3.7 | 7.4 | 68 | 41 | 8.2 | 7.6 | 8.5 | 5.65 | tr |

Maximum amount of rainfall in one day..... tr. on 22nd.
Lowest value of relative humidity ..... 23% on 9th.
Highest value of vapour pressure ..... 11.3 mms. on 30th.
Lowest value of vapour pressure ..... 5·2mms. on 9th

## TABLE C 3.—EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

### GIZA—MARCH 1959

| Depth in cms. | Dry soil | | Wet soil | | Grass | |
|---|---|---|---|---|---|---|
| | Highest °C | Lowest °C | Highest °C | Lowest °C | Highest °C | Lowest °C |
| 0.2 | 48.9 | 3.2 | 28.8 | 5.0 | 27.7 | 7.2 |
| 1 | 45.8 | 4.0 | 27.9 | 5.1 | — | — |
| 2 | 40.8 | 6·0 | 26.7 | 5.3 | — | — |
| 5 | 32.7 | 9.5 | 23.8 | 6.5 | 22.0 | 7.9 |
| 10 | 26.4 | 13.2 | 21.8 | 9.1 | 20.0 | 8.7 |
| 20 | 21.2 | 13.1 | 19.0 | 11.2 | 18.8 | 10.9 |
| 50 | 21.7 | 17.2 | 17.5 | 13.3 | 17.5 | 13.9 |
| 100 | 21.1 | 19.2 | 17.0 | 14.9 | 17.3 | 15.5 |
| 200 | 21.9 | 21.5 | 17.8 | 17.3 | — | — |
| 300 | 23.7 | 23.0 | — | — | — | — |

## TABLE C 4.—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES REACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

### GIZA—MARCH 1959

| | | | |
|---|---|---|---|
| 10 Knots or more ... | 19 Days. | 30 Knots or more ... | 0 Days. |
| 15 " " ... | 6 " | 35 " " ... | 0 " |
| 20 " " ... | 0 " | 40 " " ... | 0 " |
| 25 " " ... | 0 " | The highest gust 26 knots on 4th. | |

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UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 4

## APRIL, 1959

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MINISTRY OF WAR—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 4

## APRIL, 1959

MINISTRY OF WAR—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

# CONTENTS

PAGE

General Summary of Weather Conditions ... .. ... .. ... ... . 199-201

**Surface Data**

TABLE A 1.—Monthly Mean Values of Atmospheric Pressure, Air Temperature and Relative Humidity at Fixed Hours. ... ... ... ... ... ... ... ... 202,203

" A 2.—Maximum and Minimum Air Temperatures (°C)... ... ... ... ... ... 204,205

" A 3.—Rainfall, Snow, Bright Sunshine, Cloudiness and Evaporation ... ... 206,207

" A 4.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... 208

" A 5.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... ... ... ... 209-211

" A 6.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed within Specified Ranges at the Synoptic Hours. ... ... ... 212-243

**Upper Air Data**

TABLE B 1.—Upper Air Climatological Data ... ... ... ... ... ... ... ... ... 244-247

" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air... ... ... ... ... ... ... 248,249

" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. 250-257

**Agro-Meteorological Data**

Review of Agro-Meteorological Station at Giza ... ... ... ... ... ... ... ... 258

TABLE C 1.—Air Temperature at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 cms. above Ground on Different Fields ... ... ... 259

" C 2.—Wind Speed, Relative Humidity and Vapour Pressure at 2 Metres above the Ground, (Solar + Sky) Radiation, Sunshine Duration, Evaporation and Rainfall. ... ... ... ... ... ... ... ... ... ... 260

" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields. 261

" C 4.—Number of Days of Surface Wind Speed at 10 Metres Reaching Specified Limits of Velocity for at Least 5 Minutes ... ... ... ... ... ... ... 261

Note : Refer to volume 2 number 1 for the list of stations appearing in the report and for explanatory notes on the tables.

# GENERAL SUMMARY OF WEATHER CONDITIONS

## APRIL 1959

**Subnormal in rainfall, changeable in temperature characterized by four variant heat waves.**

### THE MAIN FEATURES

— Four prevailing heat waves, mostly of long durations over far inland districts and of short durations over the Mediterranean coastal districts.

— Subnormal rainfall in general with the exception of the coastal and the northern parts of the Western Inland districts.

— Four coastal Khamsin transits over Lower Egypt.

— Thundery activity over the Northern Region round periods (3rd-6th),(10th-11th) and 18th.

### GENERAL DESCRIPTION OF WEATHER

The prevailing weather was changeable in general over both Regions of the Republic. Four consecutive variant heat waves prevailed round periods (2nd - 3rd), (8th-11th), (18th-23rd) and the 27th, and were of short durations over the Mediterranean coastal districts and of long durations over interior districts.

The monthly district station ground barometric pressure was slightly below normal over districts of the Southern Region and slightly above normal over districts of the Northern Region.

The monthly district relative humidity was below normal in the Northern Region districts and in the Southern Region districts excluding Upper Egypt and Western Desert districts where it slightly exceeded its normal value. Departures generally ranged between 1% and 10%.

The monthly district maximum temperature was slightly above normal over districts of both Regions. The monthly district minimum temperature slightly exceeded its normal over districts of both Regions excluding the Western Desert district of the Southern Region where it was slightly below normal. Departures from normal values did not exceed 2.5°C. in general.

The monthly district rainfall exceeded slightly its normal in the Coastal and the Desert districts of the Northern Region and Cairo Area district of the Southern Region. Elsewhere it was below normal, though remarkably deficient in the Northern Region where its deviation from normal was —17.1 mms, —15.6 mms. and —51.4 mms. in the Western Inland, El-Gezeira and North Eastern districts respectively.

The mean daily relative humidity for this month in the Northern Region was 69% at Jableh, 54% at Aleppo, 40% at Damascus, 62% at Homs, 42% at Deir Ezzor and 48% at Qamishlie. In the Southern Region it was 62% at Mersa Matrub, 66% at Alexandria, 72% at Port Said, 53% at Tanta, 53% at Cairo, 47% at Almaza, 42% at Minya, 25% at Asyout, 29% at Luxor, 35% at Siwa and 48% at Suez.

### PRESSURE DISTRIBUTION

This month started with two low pressure systems, one over Central Mediterranean and the other north the Caspian Sea. Both systems were reflected vertically through the Upper levels and the 500 mb. pattern showed a planetary wave north Russia (north latitude 50°N) and stretched southwestwards over Central Mediterranean. High pressure established in the rear of these low pressure systems. The Mediterranean mean deep low traversed East Mediterranean on the 3rd and Iraq on the 4th.

On the 5th a deep Atlantic low pressure system crossed west Europe. Its southern trough extended as far as NW Africa and was also reflected aloft up to the 500 mb. level. The whole system proceeded rapidly NEwards and on the 9th the North Africa secondary developed appreciably and formed the second deep Central Mediterranean trough during this month.

On the 10th the whole system was shifted pronouncedly NEwards, its southern limit skirted East Mediterranean and the Sudan low showed a practicable elongation over NW Arabia and Sinia. Up till the 15th, the atmospheric pressure over East Mediterranean experienced two perturbations round the periods (1st - 4th) and (9th - 10th) during which it was generally below normal. Otherwise it was above normal.

On the 15th, a second Atlantic low pressure system of appreciable vertical structure traversed west Europe. It proceeded eastwards and during its course cyclonic disturbances developed over the Mediterranean and North Africa regions. On the 19th its southern trough traversed the northern parts of East Mediterranean while the Sudan low extended for the 2nd time northwards up to the Delta of Egypt. On the 21st the third northward oscillation of the Sudan trough occurred when a vast thermal low appeared over the Western Desert of Egypt. This thermal low crossed East Mediterranean on the 22nd.

On the 23rd a third Atlantic low pressure system of large vertical structure traversed west Europe. Its secondary over Algiers proceeded eastwards, reached Gulf of Sirte by 26th and overrun the Western Desert of Egypt on the 27th. Meanwhile it traversed East Mediterranean Region on the 29th.

During the second half of this month, the barometric pressure over the U.A.R. in particular and East Mediterranean in general was below its normal apart from the short periods: (15th-16th), (25th-26th) and (29th-30th) intervened between the Khamsin transits over Egypt during which a local anticyclone established over the Western Desert.

Large scale high pressure Systems over SW Russia persisted east of the Black Sea most of the month, while the Atlantic anticyclone persisted mostly on the left handside of the western European and African coasts.

## SURFACE WIND

### NORTHERN REGION

The prevailing winds were mostly NEly over the NE district, Wly over the Desert district and SWly elsewhere. The wind speeds ranged between light and moderate limits in general the whole month with the exception of the periods (23rd - 24th) and (27th - 30th).

Gales were reported at Damascus on the 6th & the 24th ; Aleppo on the 4th, 11th & 24th; Hama on the 28th; and Meselmiyie on the 3rd, 4th, 5th & 24th.

### SOUTHERN REGION

The prevailing winds were generally N/NE light/moderate. Winds in the north veered to E/SE then to S/SW and were fresh/strong in advance of the Khamsin transits. Light variable winds or calms were frequent during the night and early morning intervals over Upper Egypt.

Gales were reported at Hurghada on the 5th, 6th, 13th, 14th, & 24th and at Quseir on the 6th.

## TEMPERATURE

This month was characterized by four prevailing heat waves of rather long durations over the far inland districts and of rather short durations over the coastal districts. The prevailing waves were round the periods (2nd - 3rd), (8th - 12th), (18th - 24th) and (26th-28th). The third wave was the most excessive all over the Republic during the month. It was intervened by a secondary cold spell over the Mediterranean districts round the period (20th-21 st.). Over the far inland districts, the intervening mild periods were short and the whole month was excessively hot with respect to maximum temperatures.

The absolute maximum temperature for the Northern Region was 41.9°C. at Abo Kamal on the 23rd, while the corresponding value for the Southern Region was 45.7°C at Aswan on the 23rd.

Minimum temperature was affected simultaneously by the prevailing heat waves as maximum temperature, though it was mostly above normal over the Western Inland, El Gezeira and the North Eastern districts of the Northern Region and below normal over the Mediterranean and Upper Egypt districts of the Southern Region.

The absolute minimum temperature for the Northern Region was—1.0°C at Zabadani (mounatin station near Damascus) on the 7th, while the corresponding value for the Southern Region was 5.0°C at Dakhla on the 15th.

## PRECIPITATION

### NORTHERN REGION

The monthly rainfall ranged round (10-30 mms.) over the North Eastern district and the Western Inland district, round (0-30 mms.) over the Desert district, and round (40-100 mms.) over the Coastal district.

Rain fell on the 4th all over the Region apart from the Western Inland district, on the 5th all over the Region, on the 6th over the central part of the Western Inland district, on the 11th all over the Region apart from the Coastal district and the southern parts of the Western Inland district, on the 14th and 15th over scattered parts of the Region.

The monthly rainfall was subnormal in general with the exception of the Coastal and the Western Inland districts where it was slightly above normal.

The maximum rainfall in 24 hours was 58.3 mms. at Afrine on the 11th.

### SOUTHERN REGION

Light rainfall fell over the northern part of the Region during the period (2nd-5th). The monthly rainfall was generally subnormal. Its maximum amount attained 5.6mms. at Shebin El Kom, while the maximum fall in one day was also 5.6 mms. at Shebin El Kom on the 3rd.

## MISCELLANEOUS WEATHER PHENOMENA

### NORTHERN REGION

**Thunderstorms** occurred at Jalleh on the 5th, 14th, 15th & 27th; Damascus & Aleppo ou the 11th; Hama on the 15th; Homs ou the 11th; Tell Shihab on the 10th; Palmyra on the 5th & 14th; and at Raqqa on the 11th & 14th.

**Fog patches** developed at Damascus on the 11th; Homs on the 8th; Meselmiyie on the 6th; and at Qamishlie on the 14th & 15th.

**Mist patches** developed at Aleppo on the 1st & 6th and at Fiq on the 4th.

**Sand or duststorms** blew over Palmyra on the 23rd; Deir Ezzor on the 14th, 23rd & 28th; and over Raqqa on the 23rd & 28th.

**Local rising sand or dust** was reported at Damascus on the 24th; Palmyra on the 6th, 10th, 14th & 28th; Deir Ezzor on the 3rd, 21st & 24th; Raqqa on the 3rd, 14th & 22nd; and at Qamishlie on the 28th.

### SOUTHERN REGION

**Thunderstorms** occurred at Sallum on the 27th; Mersa Matruh on the 27th; and at Abu Sueir on the 5th.

**Early morning fog patches** developed at Alexandria on the 11th; El Arish on the 21st & 24th; Abu Sueir on the 5th & 11th; Cairo on the 24th; and at Mostafa Helmi on the 5th.

**Mist patches** developed at Alexandria on the 10th; El Arish on the 3rd & 9th; Abu Sueir on the 2nd, 5th, 11th, 12th, 17th & 24th; Cairo on the 10th, 20th & 23rd; and at Mostafa Helmi on the 10th, 20th & 30th.

**Sand or duststorms** blew over Sidi Barrani on the 18th; Abu Sueir on the 22nd; Cairo, Mostafa Helmi & Minya on the 27th; and over Hurghada on the 5th, 6th & 24th.

**Local rising sand or dust** was reported at Sallum on the 2nd; Mersa Matruh on the 2nd & 18th; Alexandria on the 19th; El Arish on the 27th; Abu Sueir on the 3rd, 9th, 21st & 27th; Cairo on the 2nd, 18th, 19th, 21st & 22nd; Almaza on the 19th & 27th; Abbasiya (H.Q.) on the 27th; Mostafa Helmi on the 2nd, 3rd, 19th, 21st & 22nd; Aswan on the 28th; Siwa on the 27th; Hurghada on the 14th; and at Quseir on the 6th.

*Cairo; Octorber 1930.*

**M. F. Taha**
*Director General*
*Meteorological Department*

## TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

## APRIL 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| Goalfal | Jableh ... (A) ... | 12 | 1010.9 | — | 1011.5 | — | 1011.4 | — | 1011.3 | — | 15.6 | +0.6 | 17.8 | +0.7 | 20.0 | —0.2 | 18.0 | +0.8 | 71 | — 4 | 69 | — 3 | 68 | + 1 | 69 | — 6 |
| | Bouka ... ... ... | 50 | — | — | — | — | — | — | — | — | 15.0 | — | 18.8 | — | 21.6 | — | 16.9 | — | 74 | — | 68 | — | 61 | — | 75 | — |
| | Tartous ... ... ... | 15 | — | — | — | — | — | — | — | — | 15.0 | — | 19.4 | — | 21.7 | — | 17.4 | — | 75 | — | 63 | — | 57 | — | 68 | — |
| Western Inland | Damascus ... (A) ... | 724 | 931.0 | +1.7 | 931.9 | +1.7 | 930.6 | +1.7 | 930.7 | +1.6 | 12.3 | +0.4 | 16.3 | +1.8 | 23.6 | +1.6 | 17.6 | +1.4 | 51 | — 5 | 47 | — 5 | 27 | — 6 | 34 | —10 |
| | Aleppo ... (A) ... | 391 | 967.0 | +2.1 | 967.9 | +1.9 | 966.5 | +1.4 | 967.0 | +2.0 | 11.4 | +0.4 | 15.7 | +1.9 | 22.9 | +1.3 | 16.2 | +0.5 | 69 | — 5 | 59 | — 6 | 33 | —12 | 53 | — 8 |
| | Hama ... (A) ... | 313 | 975.6 | — | 976.3 | — | 974.9 | — | 975.3 | — | 12.6 | — | 18.4 | — | 23.7 | — | 16.9 | — | 71 | — | 64 | — | 32 | — | 51 | — |
| | Homs ... ... ... ... | 487 | — | — | — | — | — | — | — | — | 11.0 | —0.2 | 16.1 | +1.6 | 21.9 | +1.6 | 13.8 | —0.4 | 77 | + 5 | 61 | — 6 | 41 | —10 | 70 | + 2 |
| | Kharabo ... ... ... | 620 | — | — | — | — | — | — | — | — | 9.7 | — | 16.5 | — | 24.7 | — | 16.5 | — | 71 | — | 51 | — | 27 | — | 46 | — |
| | Salamiyie ... ... ... | 500 | — | — | — | — | — | — | — | — | 10.3 | — | 16.8 | — | 23.4 | — | 14.6 | — | 64 | — | 58 | — | 33 | — | 62 | — |
| | Meselmiyie ... | 425 | — | — | — | — | — | — | — | — | 9.4 | — | 17.1 | — | 22.7 | — | 17.0 | — | 68 | — | 53 | — | 34 | — | 57 | — |
| | Fiq ... ... ... ... | 337 | 973.6 | — | 974.5 | — | 973.4 | — | 973.6 | — | 14.1 | — | 16.0 | — | 23.1 | — | 17.5 | — | 66 | — | 63 | — | 40 | — | 59 | — |
| | Tell Shihab ... ... | 250 | — | — | — | — | — | — | — | — | 9.4 | — | 17.1 | — | 24.2 | — | 15.4 | — | 81 | — | 70 | — | 51 | — | 72 | — |
| Desert | Palmyra ... (A) ... | 404 | 967.2 | — | 968.3 | — | 966.6 | — | 966.5 | — | 14.1 | — | 15.0 | — | 25.3 | — | 19.2 | — | 60 | — | 59 | — | 28 | — | 40 | — |
| El Gezira | Deir Ezzor (A) ... | 204 | 990.2 | — | 991.1 | — | 989.4 | — | 989.4 | — | 15.2 | +0.9 | 18.2 | +1.9 | 26.5 | +1.6 | 20.6 | +1.3 | 56 | — 6 | 49 | — 9 | 24 | —12 | 38 | —12 |
| | Raqqa ... ... ... | 251 | 982.6 | — | 983.6 | — | 981.5 | — | 981.5 | — | 13.9 | — | 15.7 | — | 25.4 | — | 20.1 | — | 67 | — | 63 | — | 31 | — | 45 | — |
| North Eastern | Qamishlie ... (A) ... | 466 | 960.5 | +1.1 | 961.6 | +1.4 | 960.0 | +0.7 | 960.2 | +1.1 | 13.6 | +0.5 | 18.0 | +1.5 | 24.1 | +2.1 | 17.1 | +0.9 | 59 | — 7 | 53 | — 9 | 31 | —15 | 50 | —11 |
| | Tell Tamer... ... ... | 335 | — | — | — | — | — | — | — | — | 12.4 | — | 16.7 | — | 24.6 | — | 18.5 | — | 62 | — | 56 | — | 26 | — | 46 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum... ... ... ... | 04 | 1013.3 | — | 1013.5 | —1.1 | 1013.2 | —1.0 | 1013.9 | —0.5 | 15.8 | — | 17.5 | —0.2 | 22.6 | +1.2 | 18.4 | +0.5 | 65 | — | 58 | — 5 | 42 | —11 | 60 | — 7 |
| | Sidi Barrani ... ... | 21 | 1010.9 | —0.2 | 1011.5 | —0.4 | 1011.1 | —0.6 | 1011.0 | —0.5 | 14.8 | —0.3 | 17.1 | —0.1 | 21.3 | +0.7 | 17.3 | 0.0 | 69 | + 2 | 58 | — 3 | 51 | — 3 | 66 | 0 |
| | Mersa Matruh (A) ... | 31 | 1010.1 | —1.2 | 1010.8 | —0.3 | 1010.4 | —0.5 | 1010.5 | —0.5 | 14.7 | +0.9 | 17.5 | +0.2 | 21.6 | +0.9 | 16.9 | +0.1 | 72 | — 2 | 61 | — 4 | 47 | — 7 | 68 | — 5 |
| | Dabaa ... ... ... | 17 | 1012.0 | — | 1012.2 | — | 1011.7 | — | 1011·7 | — | 13.8 | — | 17.5 | 0.0 | 20.7 | —0.6 | 16.6 | —0.4 | — | — | 66 | + 1 | 50 | + 1 | 67 | — 4 |
| | Alexandria ... (A) ... | —3 | 1014.9 | +0.3 | 1015.3 | +0.2 | 1015.0 | +0.3 | 1015.1 | +0.3 | 15.1 | 0.0 | 18.1 | 0.0 | 23.0 | +0.9 | 17.7 | +0.5 | 74 | — 8 | 69 | + 1 | 53 | + 1 | 67 | — 7 |
| | Dekheila ... (A) ... | 01 | 1014.4 | — | 1014·6 | +0.3 | 1014.4 | +0.4 | 1014.5 | — | 15.1 | — | 17.1 | —1·6 | 20.9 | +0.2 | 17.5 | — | 75 | — | 70 | — 3 | 57 | —13 | 68 | — |
| | Damietta ... ... ... | 03 | 1014·2 | — | 1014.7 | +0.3 | 1014.3 | +0.2 | 1014.5 | +0.3 | 15.9 | — | 18.4 | —0.8 | 21.3 | —0.5 | 17.8 | +0.5 | 77 | — | 73 | + 3 | 62 | 0 | 77 | — 3 |
| | Port Said ... (A) ... | 01 | 1013.8 | —0.1 | 1014.4 | —0.2 | 1013.8 | —0.1 | 1013.8 | —0.3 | 17.2 | —0.1 | 18.5 | —0.1 | 20.6 | —0.4 | 18.3 | —0.2 | 77 | + 1 | 71 | + 1 | 65 | + 2 | 74 | 0 |
| | E Arish ... ... ... | 10 | 1012 0 | +0.2 | 1012.7 | —0.4 | 1011.6 | —0.7 | 1012.3 | —0.4 | 15.4 | +0.3 | 18.6 | —1.0 | 21.4 | —0.1 | 17.9 | —0.3 | 81 | + 5 | 70 | + 5 | 64 | 0 | 78 | + 3 |
| | Ghazza ... ... ... | 10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE A 1 (*continued*).—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

APRIL 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Southern Region** *(Contd.)* | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... | 06 | 1013.7 | — | 1014.1 | —0.3 | 1013.3 | —0.7 | 1013.8 | —0.6 | 12.8 | — | 18.8 | +0.2 | 25.6 | +1.3 | 16.7 | —0.1 | 84 | — | 70 | + 3 | 40 | — 1 | 69 | — 1 |
| | Mansoura ... ... ... | 08 | 1013.2 | — | 1013.7 | —0.1 | 1012.5 | —0.6 | 1013.2 | —0.7 | 14.1 | — | 18.1 | —0.4 | 26.8 | +1.4 | 18.7 | +1.2 | 79 | — | 69 | + 1 | 32 | — 4 | 65 | — 3 |
| | Tanta ... ... ... ... | 14 | 1012.4 | — | 1013.0 | —0.1 | 1011.9 | +0.1 | 1012.6 | 0.0 | 12.7 | — | 18.2 | +0.1 | 27.3 | +0.5 | 17.1 | —0.8 | 82 | — | 65 | — 3 | 31 | — 5 | 63 | — 6 |
| | Shebin el Kom ... | 12 | 1012.3 | — | 1013.2 | —0.5 | 1011.5 | —0.8 | 1011.8 | —1.1 | 14.4 | — | 16.7 | —1.0 | 26.4 | +0.2 | 18.2 | —0.6 | 83 | — | 77 | + 9 | 34 | + 1 | 70 | +10 |
| | Zagazig ... ... ... | 12 | 1013.6 | — | 1013.6 | —0.2 | 1011.9 | —0.3 | 1012.9 | —0.3 | 13.9 | — | 16.8 | —1.9 | 27.0 | +0.1 | 19.1 | +0.7 | 83 | — | 73 | + 3 | 33 | — 4 | 63 | — 3 |
| | Zaher ... ... (A) ... | 30 | 1008.9 | — | 1009.6 | — | 1008·0 | — | 1008.9 | — | 15.0 | — | 18.7 | — | 27.5 | — | 20.4 | — | 68 | — | 58 | — | 25 | — | 45 | — |
| | Wadi el Natrun ... | — 1 | 1014.1 | — | 1014.7 | +0.2 | 1012.9 | +0.5 | 1014.0 | +0.3 | 14.4 | — | 18.0 | —0.1 | 28.0 | +0.8 | 20.3 | —0.4 | 76 | — | 61 | — 3 | 20 | — 9 | 47 | — 5 |
| | Abu Sueir ... (A) ... | 14 | 1012.0 | — | 1012·8 | — | 1011.1 | — | 1012.0 | — | 14.7 | — | 17.7 | — | 27.1 | — | 19.8 | — | 77 | — | 67 | — | 29 | — | 54 | — |
| Cairo Area | Cairo ... ... (A) ... | 95 | 1002.4 | —0.8 | 1003.2 | +0.2 | 1001·7 | —0.6 | 1002.5 | —0.4 | 15.7 | —0.3 | 18.2 | +0.1 | 27.5 | +0.7 | 21.1 | —0.1 | 72 | + 1 | 63 | — 1 | 27 | — 3 | 49 | — 1 |
| | Almaza ... (A) ... | 79 | 1003.9 | —0.8 | 1004.7 | —0.7 | 1003.2 | —0.7 | 1003.8 | —0.8 | 16.0 | —0.2 | 18.2 | +0.3 | 27.7 | +0.9 | 21.5 | 0.0 | 64 | — 4 | 58 | — 2 | 25 | — 2 | 42 | — 3 |
| | Abbasiya (H.Q.) ... | 33 | 1009.7 | — | 1010.4 | — | 1008.8 | — | 1009.5 | — | 16.2 | — | 18.7 | — | 27.7 | — | 21.6 | — | 68 | — | 61 | — | 25 | — | 44 | — |
| | Mostafa Helmi (A) ... | 163 | 994.5 | — | 995.2 | — | 994.0 | — | 994.6 | — | 14.5 | — | 17.3 | — | 26.5 | — | 20.2 | — | 71 | — | 57 | — | 21 | — | 43 | — |
| | Giza ... ... ... ... | 21 | 1011.5 | — | 1012.1 | +0.1 | 1010.5 | +0.1 | 1011.0 | —0.2 | 15.3 | — | 17.8 | —0.2 | 27.4 | —0.4 | 21.0 | +0.5 | 79 | — | 61 | — 6 | 23 | — 6 | 43 | — 8 |
| | Helwan ... ... ... | 112 | — | — | 1000.8 | —0.8 | 999.2 | —0.8 | 999.9 | —0.7 | — | — | 18.4 | 0.0 | 27.6 | +0.4 | 21.9 | —0.2 | — | — | 56 | + 2 | 22 | + 1 | 40 | + 5 |
| Upper Egypt | Fayoum ... ... ... | 30 | 1011.0 | — | 1012.0 | +0 3 | 1009.2 | —0.5 | 1009.2 | —0·9 | 15.6 | — | 19.7 | +0.9 | 29.8 | +1.8 | 22.7 | +1.5 | — | — | — | — | — | — | — | — |
| | Beni Suef ... ... ... | 28 | 1009.7 | — | 1010.8 | —0.2 | 1008.8 | —0.4 | 1009.0 | —0.3 | 14.0 | — | 18.2 | —1.8 | 29.5 | +0.1 | 21.2 | —0.5 | 79 | — | 63 | +11 | 25 | + 2 | 51 | + 9 |
| | Minya ... ... (A) ... | 39 | 1007.5 | —1.3 | 1008.5 | —1.4 | 1007.1 | —1.2 | 1006.9 | —1.3 | 15.6 | +0.9 | 18.9 | +0.6 | 30.9 | +1.5 | 22.1 | +1.4 | 59 | — 4 | 54 | — 2 | 18 | — 4 | 39 | — 5 |
| | Asyout ... (A) ... | 71 | 1003.2 | —0.8 | 1004.7 | —1.2 | 1002.7 | —0.9 | 1002.8 | —1.0 | 18.7 | +0.2 | 19.4 | —0.3 | 31.2 | +0.4 | 24.5 | +0.1 | 30 | — 6 | 34 | — 7 | 12 | — 2 | 23 | — 2 |
| | Nag Hammadi ... ... | 60 | 1003.4 | — | 1005.3 | —0.8 | 1003.0 | —0.6 | 1003.4 | —0.6 | 17.7 | — | 21.3 | +0.3 | 33.0 | +2.1 | 23.6 | +0.7 | 68 | — | 47 | + 3 | 23 | + 4 | 42 | + 4 |
| | Qena ... ... ... ... | 73 | 1001.6 | — | 1004.1 | —0.7 | 1001.8 | —0.3 | 1001.7 | —0.7 | 18.5 | — | 24.3 | +1.3 | 34.4 | +0.8 | 25.7 | 0.0 | 41 | — | 33 | — 3 | 18 | + 1 | 30 | + 2 |
| | Luxor ... ... (A) ... | 95 | 998.9 | —1.6 | 1000.9 | —1.4 | 998.6 | —1.3 | 998.4 | —1.7 | 20.3 | +0.9 | 23.5 | —0.3 | 34.3 | +1.4 | 26.8 | +0.4 | 35 | + 2 | 34 | + 3 | 19 | + 3 | 28 | + 4 |
| | Aswan ... ... ... | 104 | 996.7 | — | 998.6 | —1.3 | 995.9 | —1.9 | 996.0 | —1.6 | 21.6 | — | 24.9 | +1.2 | 36.3 | +1.9 | 28.5 | —0.5 | 29 | — | 27 | — 2 | 12 | — 3 | 18 | 0 |
| Western Desert | Siwa ... ... ... ... | —15 | 1014.8 | —1.1 | 1016.1 | —0.7 | 1015.0 | —0.4 | 1014.2 | —0.6 | 16.1 | —0.3 | 16.9 | —0.3 | 28.3 | —0.3 | 23.4 | —0.4 | 46 | — 2 | 52 | — 3 | 18 | — 4 | 25 | — 5 |
| | Bahariya ... ... ... | 128 | 998.2 | — | 999.1 | —1.7 | 997.7 | —1.6 | 997.5 | —2.2 | 16.7 | — | 18.3 | —0.4 | 29.4 | +0.6 | 23.8 | +1.7 | 47 | — | 48 | — 7 | 17 | —10 | 25 | —15 |
| | Farafra ... ... ... | 90 | 1004.6 | — | 1006.0 | +0.8 | 1004.2 | +0.8 | 1004.1 | +0.8 | 17.1 | — | 18.6 | 0.0 | 30.3 | +1.0 | 24.1 | +1.5 | 29 | — | 37 | — 6 | 14 | — 7 | 18 | —10 |
| | Dakhla ... ... ... | 110 | 999.6 | — | 1000.9 | +0.1 | 999.5 | +0.6 | 999.1 | —0.1 | 17.2 | — | 21.3 | +0.8 | 32.6 | +1.8 | 24.7 | —1.2 | 25 | — | 26 | — 8 | 9 | — 8 | 18 | — 2 |
| | Kharga ... ... ... | 72 | 1003.2 | — | 1004.2 | —2.1 | 1002.8 | —1.9 | 1002.7 | —1.2 | 19.8 | — | 23.1 | +0.9 | 33.0 | +1.0 | 24.7 | —0.6 | 27 | — | 31 | —10 | 13 | —13 | 20 | —11 |
| Red Sea | Suez ... ... ... ... | 05 | 1013.1 | — | 1014.0 | —0.5 | 1012.1 | —1.0 | 1012.9 | —1.7 | 17.8 | — | 19.1 | 0.0 | 27.2 | +0.6 | 21.8 | +0.5 | 63 | — | 64 | 0 | 31 | — 5 | 49 | — 4 |
| | Tor ... ... ... ... | 03 | 1010.0 | — | 1011.7 | —1.2 | 1010.1 | —1·6 | 1009.9 | —1.4 | 19.4 | — | 20.9 | —0.9 | 24.9 | +0.1 | 23.0 | —0.5 | 61 | — | 63 | + 2 | 51 | — 4 | 51 | — 6 |
| | Hurghada ... ... ... | 01 | 1010.4 | 0.0 | 1012.1 | —0.2 | 1010.3 | —0·5 | 1010.2 | —0.3 | 19.1 | +0.5 | 22.7 | +0.8 | 26.5 | +1.7 | 22.8 | —0.2 | 42 | —10 | 39 | —14 | 41 | —17 | 45 | —10 |
| | Quseir ... ... ... | 08 | 1008.9 | — | 1010.6 | —1.2 | 1009.7 | —1.4 | 1009.4 | —1.3 | 21.7 | — | 24.8 | +0.5 | 25.7 | —0.1 | 23.1 | —0.4 | 38 | — | 35 | —12 | 47 | —12 | 47 | —11 |

# TABLE A 2.—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

## APRIL 1959

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A + B) /2 | Maximum temperature: Highest | Maximum temperature: Date | Maximum temperature: Lowest | Maximum temperature: Date | Number of days with maximum temperature: >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Minimum temperature: Date | Minimum temperature: Lowest | Minimum temperature: Date | Number of days with minimum temperature: <10° | <5° | <0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh ... ... (A) ... ... ... ... | 21.4 | +0.2 | 13.7 | +0.3 | 17.6 | 34.0 | 27 | 16.5 | 14 | 5 | 1 | 0 | 0 | 0 | 20.2 | 10 | 6.9 | 9 | 5 | 0 | 0 | 0 |
| | Bouka ... ... ... ... ... ... ... | 22.5 | — | 13.6 | — | 18.1 | 34.0 | 27 | 16.0 | 14 | 7 | 2 | 0 | 0 | 0 | 19.0 | 10·28 | 8.5 | 6 | 2 | 0 | 0 | 0 |
| | Tartous ... ... ... ... ... ... ... | 23.1 | — | 13.8 | — | 18.5 | 35.5 | 27 | 17.0 | 14 | 10 | 3 | 1 | 0 | 0 | 18.5 | 28 | 9.0 | 8·9 | 2 | 0 | 0 | 0 |
| WESTERN INLAND | Damascus ... ... (A) ... ... ... ... | 25.1 | +1.5 | 9.4 | +0.8 | 17.3 | 35.3 | 22 | 15.7 | 4 | 16 | 6 | 1 | 0 | 0 | 18.8 | 23 | 1.0 | 7 | 21 | 2 | 0 | 0 |
| | Aleppo ... ... (A) ... ... ... ... | 24.3 | +1.5 | 9.0 | +1.1 | 16.7 | 31.4 | 20 | 17.2 | 15 | 12 | 1 | 0 | 0 | 0 | 17.0 | 28 | 4.8 | 6 | 21 | 1 | 0 | 0 |
| | Hama ... ... ... (A) ... ... ... ... | 24.6 | — | 10.4 | — | 17.5 | 33.0 | 27 | 16.4 | 15 | 14 | 4 | 0 | 0 | 0 | 19.5 | 28 | 6.0 | 9 | 14 | 0 | 0 | 0 |
| | Homs ... ... ... ... ... ... ... ... | 23.3 | +1.3 | 8.8 | —0.3 | 16.1 | 32.8 | 27 | 14.5 | 6 | 11 | 2 | 0 | 0 | 0 | 15.5 | 28 | 3.5 | 8 | 18 | 2 | 0 | 0 |
| | Kharabo ... ... ... ... ... ... ... | 25.7 | — | 6.5 | — | 16.1 | 35.0 | 22 | 16.0 | [illegible] | 17 | 5 | 0 | 0 | 0 | 18.5 | 23 | 1.0 | 7·8 | 27 | 12 | 0 | 0 |
| | Salamiyie ... ... ... ... ... ... ... | 24.6 | — | 7.9 | — | 16.3 | 33.5 | 27 | 15.5 | [illegible] | 14 | 1 | 0 | 0 | 0 | 19.5 | 28 | 2.0 | 9 | 23 | 6 | 0 | 0 |
| | Meselmiyie ... ... ... ... ... ... | 23.7 | — | 8.5 | — | 16.1 | 31.3 | 20 | 16.2 | [illegible] | 10 | 2 | 0 | 0 | 0 | 13.0 | 3 | 2.5 | 9 | 22 | 2 | 0 | 0 |
| | Fiq ... ... ... ... ... ... ... ... | 24.5 | — | 12.3 | — | 18.4 | 35.4 | 27 | 15.4 | [illegible] | 13 | 4 | 2 | 0 | 0 | 19.0 | 23 | 6.9 | 1 | 9 | 0 | 0 | 0 |
| | Tell Shihab ... ... ... ... ... ... | 25.7 | — | 8.2 | — | 17.0 | 37.0 | 22 | 15.0 | 4 | 17 | 7 | 1 | 0 | 0 | 19.5 | 23 | 3.0 | 7 | 21 | 5 | 0 | 0 |
| DESERT | Palmyra ... ... (A) ... ... ... ... | 26.4 | +0·5 | 11.4 | +1.7 | 13.9 | 37.8 | 23 | 15.0 | 4 | 20 | 6 | 1 | 0 | 0 | 21.0 | 23 | 5.4 | 5 | 9 | 0 | 0 | 0 |
| EL GEZEIRA | Deir Ezzor ... (A) ... ... ... ... | 27.6 | +1.7 | 13.0 | +2.3 | 20.3 | 40.0 | 23 | 17.7 | 4 | 23 | 7 | 1 | 0 | 0 | 19.0 | 23 | 7.6 | 8 | 6 | 0 | 0 | 0 |
| | Raqqa ... ... ... ... ... ... ... | 26.4 | — | 11.3 | — | 18.9 | 35.8 | 23 | 19.7 | 14 | 19 | 6 | 1 | 0 | 0 | 25.3 | 23 | 6.7 | 7 | 11 | 0 | 0 | 0 |
| NORTH EASTERN | Qamishlie ... ... (A) ... ... ... ... | 24.9 | +2.3 | 11.9 | +0.9 | 18.4 | 31.0 | 21 | 15.7 | 6 | 14 | 5 | 0 | 0 | 0 | 21.0 | 23 | 5.0 | 7 | 8 | 0 | 0 | 0 |
| | Tell Tamer... ... ... ... ... ... ... | 25.4 | — | 10.1 | — | 17.8 | 34.0 | 23 | 17.0 | 6 | 16 | 5 | 0 | 0 | 0 | 24.5 | 23 | 5.0 | 7 | 16 | 0 | 0 | 0 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum... ... ... ... ... ... ... ... | 23.8 | 0.0 | 14.1 | +1.4 | 18.9 | 36.7 | 18 | 17.6 | 5 | 8 | 5 | 1 | 0 | 0 | 18.8 | 9 | 9.8 | 6 | 1 | 0 | 0 | 0 |
| | Sidi Barrani ... ... ... ... ... ... | 22.8 | +0.8 | 12.8 | +0.3 | 17.8 | 36.5 | 18 | 17.2 | 5 | 7 | 6 | 1 | 0 | 0 | 17.2 | 18 | 9.0 | 7 | 3 | 0 | 0 | 0 |
| | Mersa Matruh ... (A) ... ... ... ... | 23.0 | +1.1 | 11.9 | —0.3 | 17.4 | 35.8 | 18 | 18.3 | 5 | 6 | 3 | 1 | 0 | 0 | 15.8 | 19 | 6.8 | 4 | 4 | 0 | 0 | 0 |
| | Dabaa ... ... ... ... ... ... ... | 22.1 | —1.0 | 11.6 | —0.3 | 16.8 | 36.0 | 18 | 18.5 | 5·11 | 3 | 3 | 1 | 0 | 0 | 15.2 | 19 | 8.0 | 7 | 7 | 0 | 0 | 0 |
| | Alexandria ... (A) ... ... ... ... | 24.6 | +1.4 | 13.7 | +0.4 | 19.2 | 38.5 | 19 | 19.3 | 5 | 9 | 3 | 1 | 0 | 0 | 17.1 | 22 | 9.7 | 11 | 1 | 0 | 0 | 0 |
| | Dekheila ... ... (A) ... ... ... ... | 21.9 | —0.8 | 13.4 | —1.0 | 17.9 | 38.1 | 19 | 18.3 | 5 | 6 | 2 | 1 | 0 | 0 | 17.0 | 29 | 8.0 | 11 | 3 | 0 | 0 | 0 |
| | Damietta ... ... ... ... ... ... ... | 21.7 | —2.0 | 14.2 | +0.5 | 18.0 | 29.2 | 19 | 17.5 | 5 | 4 | 0 | 0 | 0 | 0 | 17.3 | 19 | 8.1 | 15 | 2 | 0 | 0 | 0 |
| | Port Said ... ... (A) ... ... ... ... | 22.6 | +0.3 | 16.2 | +0.1 | 19.4 | 26.3 | 19 | 20.5 | 1 | 2 | 0 | 0 | 0 | 0 | 18.0 | 22·23 | 13.7 | 15 | 0 | 0 | 0 | 0 |
| | El Arish ... ... ... ... ... ... ... | 23.5 | 0.0 | 13.1 | +0.2 | 18.3 | 35.2 | 19 | 20.2 | 1 | 6 | 2 | 1 | 0 | 0 | 17.0 | 3 | 10.0 | 18 | 0 | 0 | 0 | 0 |
| | Ghazza ... ... ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE A 2 (*continued*).—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

APRIL 1959

| District | Station | Maximum temperature | | Minimum temperature | | (A + B) /2 | Maximum temperature | | | | | | | | | Minimum temperature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean (A) | Deviation from normal | Mean (B) | Deviation from normal | | Highest | Date | Lowest | Date | Number of days with maximum temperature | | | | | Highest | Date | Lowest | Date | Number of days with minimum temperature | | | |
| | | | | | | | | | | | >25° | >30° | >35° | >40° | >45° | | | | | <10° | <5° | <0° | <-5° |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... ... ... ... | 26.7 | +0.4 | 11.5 | —0.8 | 19.1 | 39.2 | 19 | 20.1 | 5 | 18 | 5 | 1 | 0 | 0 | 14.6 | 22 | 8.6 | 15 | 8 | 0 | 0 | 0 |
| | Mansoura ... ... ... ... ... ... ... | 27.7 | +0.5 | 12.6 | +0.4 | 20.2 | 39.0 | 19 | 21.7 | 14 | 23 | 6 | 2 | 0 | 0 | 16.0 | 22·23 | 9.0 | 7·15 | 2 | 0 | 0 | 0 |
| | Tanta ... ... ... ... ... ... ... ... | 28.1 | +0.4 | 11.0 | +0.4 | 19.6 | 39.4 | 19 | 22.8 | 14 | 24 | 7 | 2 | 0 | 0 | 15.4 | 3 | 6.7 | 7 | 12 | 0 | 0 | 0 |
| | Shebin el Kom ... ... ... ... ... | 27.3 | —0.5 | 12.8 | +0.9 | 20.0 | 36.7 | 22 | 22.4 | 14 | 20 | 5 | 2 | 0 | 0 | 17.1 | 23 | 9.6 | 7 | 1 | 0 | 0 | 0 |
| | Zagazig ... ... ... ... ... ... ... | 27.8 | —0.1 | 12.7 | +1.2 | 20.2 | 38.3 | 19·22 | 22.7 | 14 | 23 | 6 | 2 | 0 | 0 | 16.3 | 23 | 9.3 | 7 | 2 | 0 | 0 | 0 |
| | Zaher ... ... ... (A) ... ... ... ... | 28.6 | — | 13.1 | — | 20.8 | 41.1 | 22 | 22.7 | 4 | 24 | 8 | 3 | 1 | 0 | 17.0 | 3 | 10.5 | 15 | 0 | 0 | 0 | 0 |
| | Wadi el Natrun ... ... ... ... ... | 29.3 | +0.5 | 12.6 | +0.2 | 21.0 | 39.6 | 19 | 22.6 | 14 | 26 | 12 | 3 | 0 | 0 | 16.8 | 23·26 | 8.4 | 15 | 2 | 0 | 0 | 0 |
| | Abu Sueir ... ... (A) ... ... ... ... | 28.5 | — | 12.7 | — | 20.6 | 40.9 | 22 | 21.4 | 4 | 24 | 8 | 3 | 1 | 0 | 17.6 | 3 | 9.7 | 5·6 | 5 | 0 | 0 | 0 |
| Cairo Area | Cairo ... ... ... (A) ... ... ... ... | 28.3 | +0.4 | 13.8 | +0.2 | 21.0 | 40.3 | 22 | 22.2 | 6 | 24 | 7 | 3 | 1 | 0 | 18.5 | 19 | 10.2 | 7 | 0 | 0 | 0 | 0 |
| | Almaza ... ... (A) ... ... ... ... | 28.8 | +0.9 | 14.1 | +0.6 | 21.4 | 39.8 | 22 | 23·2 | 5 | 25 | 8 | 4 | 0 | 0 | 19.0 | 19 | 10.5 | 15 | 0 | 0 | 0 | 0 |
| | Abbasiya (H.Q.) ... ... ... ... ... | 29.3 | — | 13.8 | — | 21.6 | 39.5 | 19 | 23.4 | 14 | 26 | 9 | 3 | 0 | 0 | 17.7 | 3 | 10.5 | 7 | 0 | 0 | 0 | 0 |
| | Mostafa Helmi ... (A) ... ... ... ... | 27.6 | — | 12.6 | — | 20.1 | 39.5 | 22 | 21.4 | 6 | 21 | 7 | 3 | 0 | 0 | 17.2 | 22 | 8.9 | 15 | 2 | 0 | 0 | 0 |
| | Giza ... ... ... ... ... ... ... ... | 28.8 | +0.3 | 12.4 | +1.5 | 20.6 | 39.6 | 19 | 23.0 | 6 | 24 | 8 | 3 | 0 | 0 | 17.8 | 3 | 7.4 | 7 | 6 | 0 | 0 | 0 |
| | Helwan ... ... ... ... ... ... ... | 28.6 | +0.2 | 14.1 | 0.0 | 21.4 | 39.4 | 22 | 21.6 | 6 | 23 | 8 | 4 | 0 | 0 | 23.6 | 19 | 8.0 | 5 | 2 | 0 | 0 | 0 |
| Upper Egypt | Fayoum ... ... ... ... ... ... ... | 30.4 | +1.0 | 12.9 | 0.0 | 21.6 | 41.2 | 22 | 24.6 | 6·14 | 28 | 14 | 4 | 1 | 0 | 18.0 | 3 | 9.7 | 15 | 1 | 0 | 0 | 0 |
| | Beni Suef ... ... ... ... ... ... ... | 30.6 | +0.9 | 12.0 | +0.2 | 21.3 | 42.2 | 22 | 24.6 | 6 | 28 | 14 | 4 | 1 | 0 | 18.7 | 3 | 7.7 | 9 | 10 | 0 | 0 | 0 |
| | Minya ... ... (A) ... ... ... ... | 31.8 | +1.6 | 12.6 | +0.9 | 22.2 | 43.6 | 22 | 24.2 | 6 | 29 | 18 | 4 | 2 | 0 | 19.5 | 3 | 7.1 | 7 | 6 | 0 | 0 | 0 |
| | Asyout ... ... (A) ... ... ... ... | 32.3 | +0.8 | 15.3 | +0.8 | 23.8 | 43.8 | 22 | 23.6 | 6 | 28 | 21 | 8 | 2 | 0 | 23.3 | 23 | 10.5 | 6 | 0 | 0 | 0 | 0 |
| | Nag Hammadi ... ... ... ... ... ... | 34.3 | +2.3 | 14.3 | +1.2 | 24.3 | 42.6 | 22 | 25.2 | 6 | 30 | 28 | 10 | 4 | 0 | 21.0 | 24 | 9.4 | 15 | 1 | 0 | 0 | 0 |
| | Qena ... ... ... ... ... ... ... ... | 36.0 | +0.8 | 16.1 | 0.0 | 26.0 | 43.3 | 22 | 28.3 | 14 | 30 | 28 | 18 | 5 | 0 | 23.2 | 24 | 10.3 | 15 | 0 | 0 | 0 | 0 |
| | Luxor ... ... ... (A) ... ... ... ... | 35.3 | +1.0 | 15.8 | +0.3 | 25.6 | 44.0 | 23 | 27.5 | 6 | 30 | 28 | 15 | 4 | 0 | 24.5 | 24 | 10.0 | 10 | 0 | 0 | 0 | 0 |
| | Aswan ... ... ... ... ... ... ... ... | 37.9 | +2.4 | 18.0 | —1.0 | 28.0 | 45.7 | 23 | 30.7 | 14 | 30 | 30 | 26 | 9 | 2 | 26.4 | 24 | 13.3 | 8 | 0 | 0 | 0 | 0 |
| Western Desert | Siwa ... ... ... ... ... ... ... ... | 29.5 | —0.5 | 12.5 | —0.6 | 21.0 | 37.9 | 18 | 22.3 | 5 | 26 | 13 | 1 | 0 | 0 | 20.1 | 22 | 6.7 | 7 | 7 | 0 | 0 | 0 |
| | Bahariya ... ... ... ... ... ... ... | 30.8 | +0.5 | 13.1 | +0.5 | 22.0 | 39.5 | 19 | 23.2 | 6 | 28 | 15 | 6 | 0 | 0 | 20.8 | 22 | 7.5 | 15 | 3 | 0 | 0 | 0 |
| | Farafra ... ... ... ... ... ... ... | 31.4 | +0.6 | 13.2 | +1.1 | 22.3 | 41.0 | 19 | 23.5 | 6 | 28 | 16 | 6 | 2 | 0 | 21.5 | 22 | 5.8 | 15 | 6 | 0 | 0 | 0 |
| | Dakhla ... ... ... ... ... ... ... | 33.8 | +1.7 | 13.0 | —1.7 | 23.4 | 42.7 | 21·22 | 24.2 | 6 | 29 | 23 | 11 | 2 | 0 | 24.7 | 23 | 5.0 | 15 | 6 | 0 | 0 | 0 |
| | Kharga ... ... ... ... ... ... ... | 34.0 | +0.9 | 15.2 | —0.6 | 24.6 | 43.1 | 22 | 24.2 | 6 | 29 | 26 | 9 | 2 | 0 | 25.6 | 23 | 8.6 | 15 | 2 | 0 | 0 | 0 |
| Red Sea | Suez ... ... ... ... ... ... ... ... | 28.3 | 0.0 | 14.2 | —0.6 | 21.2 | 36.0 | 19 | 23.1 | 13 | 26 | 6 | 2 | 0 | 0 | 20.9 | 3 | 9.9 | 7 | 1 | 0 | 0 | 0 |
| | Tor ... ... ... ... ... ... ... ... | 26.6 | —1.2 | 16.4 | +0.3 | 21.5 | 36.0 | 3 | 21.3 | 6 | 19 | 5 | 1 | 0 | 0 | 21.1 | 28 | 10.7 | 8 | 0 | 0 | 0 | 0 |
| | Hurghada .. ... ... ... ... .. ... | 27.9 | +2.1 | 16.3 | +0.4 | 22.1 | 35.2 | 22 | 23.5 | 6 | 26 | 7 | 1 | 0 | 0 | 21.7 | 24 | 11.4 | 8 | 0 | 0 | 0 | 0 |
| | Quseir ... ... ... ... ... ... ... | 27.3 | 0.0 | 19.4 | 0.0 | 23.4 | 34.0 | 23 | 22.8 | 6 | 26 | 5 | 0 | 0 | 0 | 23.1 | 24 | 16.4 | 15 | 0 | 0 | 0 | 0 |

# TABLE A 3.— RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

## APRIL 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0600 U.T. | 0900 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh ... ... (A) ... | 39.0 | + 2.3 | 15.0 | 5 | 5 | 4 | 2 | 0 | 0 | 0.0 | — | 286.0 | 352.2 | 81 | 2.4 | 3.6 | 3.7 | 3.3 | 4.2 |
| | Bouka ... ... ... ... | 55.9 | — | 19.0 | 4 | 4 | 4 | 3 | 0 | 0 | 0.0 | — | — | — | — | — | 4.1 | 3.8 | 3.7 | 2.8 |
| | Tartous ... ... ... | tr. | — | tr, | 5·6 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.7 | 3.0 | 1.9 | 2.9 |
| WESTERN INLAND | Damascus ... (A) ... | 2.0 | —16.0 | 1.9 | 4 | 2 | 1 | 0 | 0 | 0 | 0.0 | — | 306.8 | 360.2 | 85 | 1.4 | 2.8 | 3.3 | 2.0 | 5.7 |
| | Aleppo ... ... (A) ... | 26.5 | —13.5 | 18.8 | 14 | 4 | 3 | 1 | 0 | 0 | 0.0 | — | 292.7 | 361.2 | 81 | 1.8 | 2.9 | 4.1 | 2.9 | 5.6 |
| | Hama ... ... (A) ... | 15.6 | —11.7 | 7.3 | 5 | 5 | 4 | 0 | 0 | 0 | 0.0 | — | 301.5 | 369.3 | 82 | 2.0 | 2.6 | 3.3 | 2.4 | 5.3 |
| | Homs ... ... ... ... | 8.5 | —27.3 | 3.0 | 11 | 5 | 4 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 3.3 | 3.3 | 3.2 | 3.5 |
| | Kharabo ... ... ... | 1.5 | — | 1.5 | 3 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.0 | 2.0 | 0.9 | — |
| | Salamiyie ... ... ... | 11.5 | — | 4.8 | 11 | 4 | 3 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.3 | 2.6 | 1.9 | 4.0 |
| | Meselmiyie ... ... ... | 16.6 | — | 9.5 | 14 | 5 | 3 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.8 | 2.5 | 1.7 | 5.7 |
| | Fiq ... ... ... ... ... | 18.3 | — | 12.4 | 4 | 3 | 3 | 1 | 0 | 0 | 0.0 | — | 294.9 | 368.6 | 80 | 1.9 | 3.1 | 3.5 | 2.4 | 5.6 |
| | Tell Shihab ... ... ... | 13.3 | — | 5.6 | 5 | 4 | 4 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.6 | 2.3 | 1.1 | 4.6 |
| DESERT | Palmyra ... (A) ... | 16.8 | + 3.8 | 12.9 | 11 | 4 | 3 | 1 | 0 | 0 | 0.0 | — | 295.9 | 364.7 | 81 | — | 2.4 | 2.8 | 2.2 | 7.6 |
| EL GEZEIRA | Deir Ezzor ... (A) ... | 5.2 | —15.6 | 3.1 | 14 | 4 | 2 | 0 | 0 | 0 | 0.0 | — | 300.0 | 368.7 | 71 | 1.7 | 2.8 | 3.1 | 1.7 | 7.4 |
| | Raqqa ... ... ... ... | 28.8 | — | 23.8 | 11 | 4 | 3 | 1 | 0 | 0 | 0.0 | — | 280.4 | 355.2 | 79 | 1.7 | 2.3 | 3.8 | 2.3 | 7.8 |
| NORTH EASTERN | Qamishlie ... (A) ... | 8.5 | —51.4 | 2.8 | 5 | 5 | 4 | 0 | 0 | 0 | 0.0 | — | 274.3 | 355.6 | 77 | 2.5 | 3.2 | 4.4 | 3.0 | 4.6 |
| | Tell Tamer ... ... ... | 12.5 | — | 8.3 | 14 | 7 | 3 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.5 | 2.9 | 2.2 | 6.1 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum ... ... ... ... | 0.2 | — 0.4 | 0.2 | 16 | 1 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.1 | 1.8 | 2.9 | 2.3 | 8.6 |
| | Sidi Barrani ... ... ... | 5.2 | + 3·5 | 4.0 | 5 | 2 | 2 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.7 | 2.0 | 1.6 | 7.1 |
| | Mersa Matruh (A) ... | 0.1 | — 2.5 | 0.1 | 27 | 1 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.4 | 3.2 | 2.5 | 2.4 | 8.3 |
| | Dabaa ... ... ... ... | 0.0 | — 0.7 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.9 | 2.0 | 1.8 | 8.7 |
| | Alexandria ... (A) ... | tr. | — 3.0 | tr. | 2·5 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 313.8 | 387.3 | 81.0 | 1.6 | 2.7 | 2.5 | 1.7 | 5.0 |
| | Dekheila ... (A) ... | 0.0 | — 4.8 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.2 | 2.1 | 2.0 | 1.3 | 6.3 |
| | Damietta ... ... ... | 0.0 | — 3.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.9 | 1.4 | 0.6 | 4.1 |
| | Port Said ... (A) ... | 5.1 | + 3.4 | 5.1 | 3 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | 301.9 | 387.3 | 77.9 | 0.9 | 2.7 | 1.6 | 0.9 | 5.4 |
| | El Arish ... ... ... | 1.6 | — 4.6 | 1.4 | 4 | 3 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | 2.8 | 4.0 | 2.9 | 2.4 | 4.5 |
| | Ghazza ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE A 3 (*continued*).—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

APRIL 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | |
| LOWER EGYPT | Damanhour ... ... ... | tr. | — 2.1 | tr. | 5 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.9 | 2.1 | 1.2 | 4.7 |
| | Mansoura ... ... ... | tr. | — 2.1 | tr. | 3·5 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.3 | 1.9 | 0.2 | 4.6 |
| | Tanta ... ... ... ... | 1.0 | — 1.1 | 0.8 | 3 | 2 | 0 | 0 | 0 | 0 | 0·0 | — | 317.0 | 387.3 | 81.8 | — | 2.2 | 2.0 | 0.8 | 6.8 |
| | Shebin el Kom ... ... | 5.6 | + 4.4 | 5.6 | 3 | 1 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.9 | 1.0 | 0.7 | 4.8 |
| | Zagazig ... ... ... ... | 1.7 | — 0.7 | 1.7 | 3 | 1 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 3.0 | 2.9 | 0.8 | 4.8 |
| | Zaher ... ... (A) ... | 3.4 | — | 1.8 | 4 | 2 | 2 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.5 | 2.3 | 1.0 | 11.9 |
| | Wadi el Natrun ... ... | 0.9 | + 0.9 | 0.9 | 4 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.7 | 1.5 | 0.5 | 8.2 |
| | Abu Sueir ... (A) ... | 2.3 | — | 1.5 | 4 | 2 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.5 | 2.9 | 2.3 | 1.0 | 11.4 |
| CAIRO AREA | Cairo ... ... (A) ... | 1.5 | + 0.7 | 0.9 | 3 | 2 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.6 | 2.2 | 2.3 | 1.3 | 11.9 |
| | Almaza ... ... (A) ... | 1.3 | + 0.7 | 0.7 | 3 | 2 | 0 | 0 | 0 | 0 | 0·0 | — | 301.5 | 386.3 | 78.0 | 0.7 | 2.7 | 2.3 | 0.6 | 9.3 |
| | Abbasiya (H.Q.) ... | 1.8 | — | 1·2 | 3 | 2 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.1 | 2.0 | 1.9 | 1.2 | 8.3 |
| | Mostafa Helmi (A) ... | 0.7 | — | 0.7 | 3 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.4 | 2.3 | 2.1 | 1.2 | 13.5 |
| | Giza ... ... ... ... | 1.5 | + 0.5 | 1.0 | 3 | 2 | 1 | 0 | 0 | 0 | 0·0 | — | 309.0 | 386.3 | 80.0 | — | 2.5 | 2.1 | 1.0 | 8.0 |
| | Helwan ... ... ... ... | 0.4 | — 0.6 | 0.4 | 4 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | 302.1 | 386.7 | 78.1 | — | 2.0 | 1.7 | 0.8 | 12.8 |
| UPPER EGYPT | Fayoum ... ... ... ... | tr. | — 1.0 | tr. | 4·5 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.6 | 1.3 | 1.0 | 7.1 |
| | Beni Suef ... ... ... | tr. | — 1.3 | tr. | 4·5·6 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.7 | 1.7 | 1.6 | 7.1 |
| | Minya ... ... (A) ... | tr. | — 0.7 | tr. | 2·3·4 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.9 | 1.4 | 1.2 | 1.5 | 9.3 |
| | Asyout ... ... (A) ... | tr. | 0.0 | tr. | 4 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.4 | 1.8 | 1.6 | 1.1 | 17.2 |
| | Nag Hammadi ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.4 | 3.1 | 1.2 | 11.2 |
| | Qena ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.3 | 2.0 | 0.9 | 12.2 |
| | Luxor ... ... (A) ... | 0.0 | — tr. | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.3 | 1.6 | 1.9 | 1.8 | 10.6 |
| | Aswan ... ... ... ... | 0.0 | — 0.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.5 | 2.5 | 3.0 | 1.3 | 12.9 |
| WESTERN DESERT | Siwa ... ... ... ... | tr. | — 0.9 | tr. | 5·20 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.1 | 1.5 | 1.6 | 1.6 | 13.8 |
| | Bahariya ... ... ... | 0.2 | — 0.4 | 0.2 | 5 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.3 | 1.4 | 1.5 | 1.3 | 9.2 |
| | Farafra ... ... ... ... | 0.0 | — tr. | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.9 | 1.5 | 2.0 | 0.7 | 18.0 |
| | Dakhla ... ... ... ... | tr. | + tr. | tr. | 4 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.8 | 2.2 | 2.5 | 2.1 | 18.6 |
| | Kharga ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0·2 | 2.7 | 3.1 | 1.5 | 12.6 |
| RED SEA | Suez... ... ... ... ... | tr. | — 1.2 | tr. | 3 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.2 | 1.7 | 0.3 | 9.3 |
| | Tor ... ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.8 | 2.4 | 2.1 | 1.6 | 8.9 |
| | Hurghada ... ... ... | tr. | tr. | tr. | 4 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.6 | 2.3 | 2.2 | 1.8 | 19.3 |
| | Quseir ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.7 | 2.6 | 2.5 | 2.2 | 14 4 |

## TABLE A 4.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

### APRIL 1959

| Station | Number of days of occurrence of | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rain | Snow | Hail | Thunderstorm | Fog | Mist | Haze | Sandstorm Duststorm | Sandrising Dustrising | Gales | Cloudy sky | Clear sky |
| **NORTHERN REGION** | | | | | | | | | | | | |
| Jableh ... ... ... (A) ... ... | 6 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 |
| Bouka ... ... ... ... ... ... | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Tartous ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Damascus ... ... (A) ... ... | 2 | 0 | 0 | 1 | 1 | 0 | 5 | 0 | 1 | 2 | 0 | 15 |
| Aleppo ... ... ... (A) ... ... | 4 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 3 | 3 | 10 |
| Hama ... ... ... (A) ... ... | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 15 |
| Homs ... ... ... ... ... ... | 5 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | — | — |
| Kharabo ... ... ... ... ... | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Salamiyie ... ... ... ... ... | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Meselmiyie ... ... ... ... ... | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | — | — |
| Fiq ... ... ... ... ... ... ... | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 12 |
| Tell Shihab ... ... ... ... ... | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Palmyra ... ... ... (A) ... ... | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 4 | 0 | 1 | 15 |
| Deir Ezzor ... ... (A) ... ... | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 2 | 15 |
| Raqqa ... ... ... ... ... ... | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 3 | 0 | 3 | 11 |
| Qamishlie ... ... (A) ... ... | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 5 | 10 |
| Tell Tamer ... ... ... ... ... | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| **SOUTHERN REGION** | | | | | | | | | | | | |
| Sallum ... ... ... ... ... ... | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 17 |
| Sidi Barrani ... ... ... ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | — | — |
| Mersa Matruh ... (A) ... ... | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 12 |
| Alexandria ... ... (A) ... ... | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 14 |
| Port Said ... ... (A) ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| El Arish ... ... ... ... ... | 3 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 0 | 1 | 9 |
| Abu Sueir ... ... (A) ... ... | 2 | 0 | 0 | 1 | 2 | 6 | 2 | 1 | 4 | 0 | 1 | 17 |
| Cairo ... ... ... (A) ... ... | 2 | 0 | 0 | 0 | 1 | 3 | 1 | 1 | 5 | 0 | 1 | 17 |
| Almaza ... ... ... (A) ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 2 | 0 | 1 | 21 |
| Abbasiya (H.Q.) ... ... ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 21 |
| Mostafa Helmi ... (A) ... ... | 1 | 0 | 0 | 0 | 1 | 3 | 2 | 1 | 5 | 0 | 1 | 20 |
| Minya ... ... ... (A) ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 23 |
| Asyout ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 22 |
| Luxor ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 20 |
| Aswan ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 17 |
| Siwa ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 22 |
| Hurghada ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 5 | 1 | 17 |
| Quseir ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 3 | 16 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## NORTHERN REGION—APRIL 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| COASTAL | Jableh (A) | 278 | 0 | 0 | 1–10 | 6 | 1 | 0 | 2 | 28 | 17 | 4 | 15 | 20 | 49 | 41 | 4 | 7 | 12 | 8 | 4 | 218 |
| | | | | | 11–27 | 0 | 0 | 0 | 3 | 9 | 2 | 2 | 2 | 22 | 67 | 78 | 7 | 8 | 18 | 5 | 1 | 224 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **6** | **1** | **0** | **5** | **37** | **19** | **6** | **17** | **42** | **116** | **119** | **11** | **15** | **30** | **13** | **5** | **442** |
| | Bouka ... | 402 | 0 | 0 | 1–10 | 8 | 4 | 7 | 0 | 0 | 1 | 12 | 10 | 10 | 9 | 107 | 49 | 19 | 13 | 11 | 8 | 268 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 8 | 7 | 19 | 12 | 0 | 0 | 0 | 0 | 50 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **8** | **4** | **7** | **0** | **1** | **4** | **12** | **10** | **18** | **16** | **126** | **61** | **19** | **13** | **11** | **8** | **318** |
| WESTERN INLAND | Damascus (A) | 125 | 0 | 0 | 1–10 | 15 | 21 | 20 | 32 | 42 | 23 | 14 | 13 | 20 | 32 | 29 | 35 | 52 | 28 | 9 | 6 | 391 |
| | | | | | 11–27 | 1 | 2 | 6 | 5 | 5 | 6 | 3 | 0 | 2 | 7 | 28 | 24 | 19 | 41 | 42 | 11 | 202 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **16** | **23** | **26** | **37** | **47** | **29** | **17** | **13** | **22** | **39** | **57** | **59** | **71** | **69** | **53** | **17** | **595** |
| | Aleppo (A) | 97 | 0 | 0 | 1–10 | 16 | 12 | 8 | 42 | 21 | 5 | 15 | 1 | 5 | 12 | 28 | 34 | 64 | 31 | 21 | 18 | 333 |
| | | | | | 11–27 | 10 | 1 | 11 | 22 | 17 | 3 | 5 | 0 | 2 | 4 | 19 | 56 | 97 | 17 | 5 | 4 | 273 |
| | | | | | 28–47 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 6 | 7 | 0 | 0 | 0 | 17 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **27** | **13** | **19** | **64** | **38** | **9** | **20** | **1** | **7** | **16** | **49** | **96** | **168** | **48** | **26** | **22** | **623** |
| | Hama (A) | 121 | 0 | 0 | 1–10 | 10 | 13 | 32 | 43 | 21 | 0 | 4 | 18 | 41 | 52 | 41 | 18 | 39 | 27 | 7 | 11 | 377 |
| | | | | | 11–27 | 1 | 1 | 6 | 6 | 2 | 0 | 2 | 8 | 21 | 54 | 88 | 17 | 10 | 1 | 0 | 4 | 221 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **11** | **14** | **38** | **49** | **23** | **0** | **6** | **26** | **62** | **106** | **130** | **35** | **49** | **28** | **7** | **15** | **599** |
| | Kharabo ... | 362 | 0 | 16 | 1–10 | 19 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 2 | 53 | 130 | 32 | 20 | 11 | 270 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 40 | 19 | 4 | 0 | 0 | 71 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **19** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **2** | **0** | **10** | **94** | **149** | **36** | **20** | **11** | **342** |
| | Salamiyie ... | 309 | 0 | 0 | 1–10 | 1 | 0 | 0 | 1 | 9 | 1 | 1 | 5 | 18 | 60 | 115 | 24 | 4 | 5 | 7 | 2 | 253 |
| | | | | | 11–27 | 4 | 0 | 0 | 0 | 1 | 4 | 4 | 17 | 3 | 21 | 85 | 19 | 0 | 0 | 0 | 0 | 158 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **5** | **0** | **0** | **1** | **10** | **5** | **5** | **22** | **21** | **81** | **200** | **43** | **4** | **5** | **7** | **2** | **411** |
| | Fiq ... ... | 39 | 0 | 240 | 1–10 | 10 | 3 | 5 | 16 | 22 | 7 | 0 | 4 | 5 | 11 | 21 | 30 | 106 | 49 | 2 | 9 | 300 |
| | | | | | 11–27 | 5 | 1 | 9 | 3 | 33 | 4 | 1 | 4 | 0 | 2 | 1 | 13 | 48 | 15 | 1 | 1 | 141 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **15** | **4** | **14** | **19** | **55** | **11** | **1** | **8** | **5** | **13** | **22** | **43** | **154** | **64** | **3** | **10** | **441** |
| DESERT | Palmyra (A) | 128 | 0 | 0 | 1–10 | 22 | 17 | 24 | 19 | 33 | 12 | 1 | 2 | 6 | 5 | 6 | 7 | 40 | 89 | 76 | 24 | 383 |
| | | | | | 11–27 | 5 | 1 | 7 | 7 | 6 | 8 | 3 | 0 | 1 | 1 | 2 | 3 | 36 | 40 | 75 | 12 | 207 |
| | | | | | 28–47 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **27** | **18** | **31** | **27** | **39** | **20** | **4** | **2** | **7** | **6** | **8** | **10** | **76** | **129** | **152** | **36** | **592** |
| EL GEZEIRA | DeirEzzor (A) | 376 | 0 | 0 | 1–10 | 4 | 2 | 1 | 5 | 33 | 5 | 3 | 7 | 23 | 15 | 28 | 16 | 97 | 37 | 4 | 0 | 280 |
| | | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 7 | 9 | 4 | 21 | 5 | 2 | 0 | 64 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **6** | **2** | **1** | **5** | **33** | **5** | **3** | **12** | **32** | **22** | **37** | **20** | **118** | **42** | **6** | **0** | **344** |
| | Raqqa... ... | 72 | 0 | 0 | 1–10 | 21 | 42 | 32 | 12 | 0 | 0 | 8 | 14 | 12 | 31 | 70 | 71 | 17 | 18 | 7 | 6 | 361 |
| | | | | | 11–27 | 6 | 27 | 14 | 2 | 0 | 0 | 4 | 6 | 6 | 12 | 118 | 56 | 23 | 9 | 3 | 1 | 287 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **27** | **69** | **46** | **14** | **0** | **0** | **12** | **20** | **18** | **43** | **188** | **127** | **40** | **27** | **10** | **7** | **648** |
| EASTERN | Qamishlie (A) | 85 | 0 | 0 | 1–10 | 84 | 18 | 44 | 25 | 23 | 0 | 14 | 14 | 28 | 19 | 18 | 33 | 63 | 31 | 16 | 65 | 495 |
| | | | | | 11–27 | 10 | 11 | 46 | 20 | 17 | 0 | 1 | 1 | 3 | 4 | 5 | 5 | 13 | 2 | 0 | 2 | 140 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **94** | **29** | **90** | **45** | **40** | **0** | **15** | **15** | **31** | **23** | **23** | **38** | **76** | **33** | **16** | **67** | **635** |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## SOUTHERN REGION—APRIL 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| MEDITERRANEAN | Sidi Barrani ... | 13 | 11 | 13 | 1–10 | 53 | 20 | 31 | 17 | 41 | 23 | 8 | 19 | 9 | 6 | 26 | 35 | 288 |
| | | | | | 11–27 | 36 | 5 | 29 | 75 | 12 | 29 | 30 | 10 | 2 | 0 | 30 | 134 | 392 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **89** | **25** | **60** | **92** | **53** | **52** | **41** | **29** | **11** | **6** | **56** | **169** | **683** |
| | Mersa Matruh (A) | 11 | 0 | 3 | 1–10 | 30 | 17 | 33 | 40 | 54 | 4 | 16 | 11 | 31 | 22 | 31 | 63 | 352 |
| | | | | | 11–27 | 17 | 11 | 45 | 74 | 17 | 6 | 11 | 2 | 3 | 15 | 87 | 63 | 351 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **47** | **28** | **78** | **114** | **71** | **11** | **28** | **13** | **34** | **38** | **118** | **126** | **706** |
| | Alexandria (A) | 3 | 0 | 0 | 1–10 | 58 | 49 | 49 | 61 | 29 | 3 | 9 | 15 | 3 | 10 | 36 | 93 | 415 |
| | | | | | 11–27 | 37 | 47 | 15 | 19 | 2 | 2 | 1 | 0 | 2 | 18 | 76 | 83 | 302 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **95** | **96** | **64** | **80** | **31** | **5** | **10** | **15** | **5** | **28** | **112** | **176** | **717** |
| | Dekheila (A) | 3 | 0 | 1 | 1–10 | 83 | 76 | 29 | 62 | 42 | 23 | 7 | 18 | 3 | 7 | 26 | 70 | 446 |
| | | | | | 11–27 | 31 | 18 | 38 | 27 | 40 | 4 | 1 | 0 | 1 | 3 | 22 | 85 | 270 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **114** | **94** | **67** | **89** | **82** | **27** | **8** | **18** | **4** | **10** | **48** | **155** | **716** |
| | Port Said (A) | 0 | 0 | 4 | 1–10 | 58 | 48 | 56 | 40 | 19 | 6 | 1 | 13 | 7 | 7 | 21 | 46 | 322 |
| | | | | | 11–27 | 74 | 31 | 85 | 60 | 14 | 0 | 1 | 1 | 2 | 25 | 32 | 69 | 394 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **132** | **79** | **141** | **100** | **33** | **6** | **2** | **14** | **9** | **32** | **53** | **115** | **716** |
| | El-Arish ... ... | 145 | 46 | 0 | 1–10 | 55 | 136 | 20 | 8 | 13 | 50 | 7 | 30 | 25 | 39 | 56 | 56 | 495 |
| | | | | | 11–27 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 11 | 15 | 1 | 34 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **55** | **138** | **21** | **8** | **13** | **50** | **8** | **30** | **28** | **50** | **71** | **57** | **529** |
| LOWER EGYPT | Zaher (A) | 5 | 21 | 4 | 1–10 | 66 | 71 | 53 | 57 | 12 | 11 | 8 | 10 | 56 | 41 | 53 | 46 | 484 |
| | | | | | 11–27 | 20 | 68 | 43 | 3 | 4 | 6 | 0 | 1 | 10 | 13 | 12 | 25 | 205 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **86** | **139** | **96** | **60** | **17** | **17** | **8** | **11** | **66** | **54** | **65** | **71** | **699** |
| CAIRO AREA | Cairo (A) | 13 | 3 | 13 | 1–10 | 47 | 110 | 100 | 32 | 9 | 4 | 4 | 10 | 44 | 58 | 83 | 37 | 538 |
| | | | | | 11–27 | 14 | 35 | 44 | 13 | 7 | 4 | 1 | 5 | 6 | 15 | 8 | 1 | 153 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **61** | **145** | **144** | **45** | **16** | **8** | **5** | **15** | **50** | **73** | **91** | **38** | **691** |
| | Almaza (A) | 2 | 2 | 0 | 1–10 | 68 | 118 | 63 | 26 | 14 | 7 | 4 | 9 | 13 | 38 | 60 | 63 | 483 |
| | | | | | 11–27 | 15 | 61 | 75 | 43 | 8 | 1 | 0 | 3 | 8 | 5 | 8 | 6 | 233 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **83** | **179** | **138** | **69** | **22** | **8** | **4** | **12** | **21** | **43** | **68** | **69** | **716** |
| | Abbasiya (H.Q.) | 36 | 6 | 0 | 1–10 | 148 | 165 | 55 | 16 | 0 | 7 | 7 | 17 | 24 | 35 | 76 | 73 | 623 |
| | | | | | 11–27 | 3 | 35 | 7 | 0 | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 3 | 55 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **151** | **200** | **62** | **16** | **0** | **7** | **9** | **20** | **26** | **35** | **76** | **76** | **678** |
| | Mostafa Helmi (A) | 2 | 2 | 8 | 1–10 | 80 | 59 | 29 | 25 | 22 | 18 | 16 | 11 | 9 | 21 | 17 | 51 | 358 |
| | | | | | 11–27 | 66 | 89 | 78 | 17 | 2 | 0 | 6 | 4 | 6 | 6 | 27 | 48 | 349 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **146** | **148** | **107** | **42** | **24** | **18** | **22** | **15** | **16** | **27** | **44** | **99** | **708** |
| | Giza ... ... .. | 30 | 1 | 7 | 1–10 | 175 | 132 | 75 | 11 | 14 | 1 | 26 | 18 | 17 | 24 | 70 | 117 | 680 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **175** | **132** | **75** | **11** | **14** | **1** | **26** | **18** | **17** | **24** | **70** | **119** | **682** |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

### SOUTHERN REGION (*contd.*) — APRIL 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| UPPER EGYPT | Minya (A) | 20 | 36 | 1 | 1-10 | 59 | 9 | 4 | 7 | 13 | 26 | 10 | 2 | 8 | 13 | 49 | 221 | 421 |
| | | | | | 11-27 | 49 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 5 | 1 | 182 | 242 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 108 | 9 | 5 | 7 | 13 | 26 | 12 | 3 | 9 | 18 | 50 | 403 | 663 |
| | Luxor (A) | 12 | 7 | 2 | 1-10 | 35 | 63 | 31 | 22 | 20 | 44 | 50 | 52 | 17 | 35 | 86 | 154 | 609 |
| | | | | | 11-27 | 1 | 3 | 1 | 0 | 0 | 1 | 2 | 2 | 1 | 1 | 27 | 51 | 90 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 36 | 66 | 32 | 22 | 20 | 45 | 52 | 54 | 18 | 36 | 113 | 205 | 699 |
| WESTERN DESERT | Siwa ... ... ... | 41 | 4 | 0 | 1-10 | 38 | 38 | 57 | 76 | 55 | 37 | 19 | 18 | 13 | 10 | 28 | 35 | 424 |
| | | | | | 11-27 | 44 | 26 | 16 | 14 | 50 | 27 | 10 | 6 | 6 | 2 | 20 | 30 | 251 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 82 | 64 | 73 | 90 | 105 | 64 | 29 | 24 | 19 | 12 | 48 | 65 | 675 |
| | Dakhla ... ... | 1 | 1 | 666 | 1-10 | 5 | 3 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 10 | 7 | 33 |
| | | | | | 11-27 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 19 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 16 | 3 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 10 | 15 | 52 |
| RED SEA | Hurghada ... ... | 7 | 18 | 2 | 1-10 | 33 | 24 | 17 | 1 | 12 | 19 | 2 | 0 | 0 | 6 | 30 | 88 | 232 |
| | | | | | 11-27 | 165 | 32 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 44 | 178 | 425 |
| | | | | | 28-47 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 36 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 215 | 56 | 19 | 1 | 12 | 23 | 2 | 0 | 0 | 6 | 74 | 285 | 693 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## JABLEH (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 14 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 3 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 16 |
| 0300 | 18 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 12 |
| 0600 | 16 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 7 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 4 | 3 | 0 | 0 | 0 | 1 | 0 | 14 |
| 0900 | 7 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 1 | 1 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 6 | 0 | 2 | 1 | 0 | 0 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 6 | 9 | 0 | 3 | 2 | 0 | 0 | 23 |
| 1200 | 3 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 5 | 0 | 1 | 1 | 0 | 0 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 6 | 1 | 0 | 4 | 0 | 0 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 3 | 4 | 11 | 1 | 1 | 5 | 0 | 0 | 27 |
| 1500 | 7 | 0 | 0 | 1–10 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 1 | 0 | 1 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 0 | 2 | 2 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 5 | 8 | 0 | 1 | 2 | 3 | 0 | 23 |
| 1800 | 16 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 1 | 14 |
| 2100 | 16 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 14 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## BOUKA — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 19 | 0 | 0 | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 | 3 | 0 | 0 | 0 | 1 | 11 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 | 3 | 0 | 0 | 0 | 1 | 11 |
| 0300 | 23 | 0 | 0 | 1—10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 6 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 7 |
| 0600 | 16 | 0 | 0 | 1—10 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 8 | 0 | 1 | 1 | 0 | 0 | 13 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 9 | 0 | 1 | 1 | 0 | 0 | 14 |
| 0900 | 11 | 0 | 0 | 1—10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 3 | 2 | 0 | 0 | 15 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 6 | 3 | 2 | 0 | 0 | 19 |
| 1200 | 10 | 0 | 0 | 1—10 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 4 | 4 | 4 | 2 | 0 | 0 | 17 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | Al speeds | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 6 | 4 | 4 | 2 | 0 | 0 | 20 |
| 1500 | 17 | 0 | 0 | 1—10 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 2 | 1 | 0 | 1 | 1 | 11 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 4 | 2 | 1 | 0 | 1 | 1 | 13 |
| 1800 | 17 | 0 | 0 | 1—10 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 12 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 6 | 1 | 1 | 0 | 0 | 1 | 13 |
| 2100 | 17 | 0 | 0 | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 5 | 2 | 1 | 0 | 0 | 1 | 11 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | Al speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 6 | 2 | 1 | 0 | 0 | 1 | 13 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DAMASCUS (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 7 | 0 | 0 | 1-10 | 0 | 2 | 3 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 3 | 4 | 2 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 4 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 4 | 4 | 3 | 1 | 0 | 22 |
| 0300 | 11 | 0 | 0 | 1-10 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 2 | 1 | 1 | 3 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 2 | 1 | 0 | 2 | 3 | 3 | 3 | 1 | 0 | 19 |
| 0600 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 3 | 2 | 3 | 1 | 0 | 0 | 3 | 3 | 1 | 0 | 1 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 4 | 3 | 4 | 2 | 0 | 0 | 3 | 4 | 1 | 0 | 3 | 0 | 0 | 24 |
| 0900 | 2 | 0 | 0 | 1-10 | 0 | 0 | 1 | 3 | 3 | 1 | 3 | 0 | 0 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 2 | 0 | 3 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 3 | 4 | 1 | 4 | 0 | 0 | 1 | 4 | 3 | 3 | 3 | 1 | 0 | 28 |
| 1200 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 3 | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 0 | 1 | 2 | 0 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 2 | 3 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 3 | 2 | 1 | 1 | 1 | 3 | 2 | 3 | 4 | 2 | 4 | 3 | 0 | 29 |
| 1500 | 0 | 0 | 0 | 1-10 | 1 | 1 | 1 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 1 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 1 | 1 | 5 | 0 | 0 | 0 | 1 | 2 | 3 | 4 | 3 | 3 | 4 | 1 | 30 |
| 1800 | 4 | 0 | 0 | 1-10 | 2 | 1 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 4 | 1 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 2 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 2 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 5 | 5 | 2 | 26 |
| 2100 | 8 | 0 | 0 | 1-10 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 5 | 3 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 5 | 5 | 2 | 1 | 22 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEPPO (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 4 | 0 | 0 | 1–10 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 4 | 1 | 2 | 3 | 18 |
| | | | | 11–27 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 3 | 6 | 1 | 2 | 3 | 26 |
| 0300 | 5 | 0 | 0 | 1–10 | 1 | 1 | 0 | 3 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 4 | 3 | 4 | 1 | 1 | 23 |
| | | | | 11–27 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 1 | 4 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 4 | 3 | 4 | 1 | 1 | 25 |
| 0600 | 3 | 0 | 0 | 1–10 | 1 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 1 | 1 | 0 | 0 | 14 |
| | | | | 11–27 | 1 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 2 | 0 | 0 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 3 | 4 | 0 | 1 | 0 | 0 | 3 | 3 | 6 | 3 | 1 | 0 | 0 | 27 |
| 0900 | 5 | 0 | 0 | 1–10 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 1 | 0 | 9 |
| | | | | 11–27 | 1 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 5 | 0 | 0 | 0 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 3 | 3 | 0 | 1 | 0 | 0 | 3 | 2 | 5 | 5 | 0 | 1 | 0 | 25 |
| 1200 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 1 | 0 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 2 | 0 | 0 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 4 | 11 | 3 | 0 | 0 | 29 |
| 1500 | 1 | 0 | 0 | 1–10 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 1 | 1 | 11 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 10 | 1 | 0 | 0 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 1 | 2 | 0 | 1 | 0 | 0 | 1 | 3 | 1 | 15 | 1 | 1 | 1 | 29 |
| 1800 | 4 | 0 | 0 | 1–10 | 1 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 2 | 3 | 1 | 0 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 2 | 2 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 7 | 5 | 3 | 0 | 26 |
| 2100 | 5 | 0 | 0 | 1–10 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 1 | 3 | 14 |
| | | | | 11–27 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 1 | 0 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 5 | 7 | 1 | 1 | 3 | 25 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## HAMA (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 3 | 0 | 0 | 1–10 | 0 | 0 | 3 | 6 | 2 | 0 | 0 | 3 | 3 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 2[illegible] |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 4 | 6 | 2 | 0 | 0 | 4 | 4 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 27 |
| 0300 | 8 | 0 | 0 | 1–10 | 0 | 1 | 3 | 2 | 2 | 0 | 0 | 1 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 3 | 2 | 2 | 0 | 0 | 2 | 5 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 22 |
| 0600 | 11 | 0 | 0 | 1–10 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 1 | 3 | 4 | 4 | 1 | 1 | 0 | 0 | 0 | 19 |
| 0900 | 4 | 0 | 0 | 1–10 | 1 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 1 | 2 | 0 | 0 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 8 | 2 | 3 | 1 | 1 | 1 | 26 |
| 1200 | 1 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 5 | 1 | 2 | 0 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 7 | 1 | 2 | 0 | 0 | 1 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 5 | 9 | 1 | 7 | 1 | 2 | 1 | 29 |
| 1500 | 2 | 0 | 0 | 1–10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 3 | 1 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 7 | 1 | 2 | 0 | 0 | 0 | 18 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 8 | 7 | 3 | 4 | 3 | 1 | 0 | 28 |
| 1800 | 6 | 0 | 0 | 1–10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 1 | 0 | 3 | 3 | 0 | 0 | 1[illegible] |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 3 | 7 | 5 | 0 | 3 | 3 | 0 | 0 | 24 |
| 2100 | 6 | 0 | 0 | 1–10 | 1 | 1 | 3 | 1 | 1 | 0 | 0 | 2 | 2 | 4 | 0 | 1 | 0 | 1 | 0 | 0 | 1[illegible] |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 4 | 1 | 1 | 0 | 0 | 3 | 4 | 5 | 2 | 1 | 0 | 1 | 0 | 0 | 24 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### KHARABO — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 19 | 0 | 1 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 10 |
| 0300 | 20 | 0 | 1 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 2 | 0 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 2 | 0 | 9 |
| 0600 | 19 | 0 | 1 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 2 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 2 | 2 | 10 |
| 0900 | 15 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 1 | 1 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 2 | 1 | 1 | 15 |
| 1200 | 5 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 4 | 1 | 1 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 16 | 4 | 1 | 1 | 25 |
| 1500 | 9 | 0 | 1 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 7 | 1 | 0 | 0 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 8 | 8 | 1 | 0 | 0 | 20 |
| 1800 | 16 | 0 | 1 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 1 | 0 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 5 | 1 | 0 | 0 | 13 |
| 2100 | 18 | 0 | 1 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 1 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 | 1 | 0 | 11 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**SALAMIYIE — APRIL 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 22 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | ● | ● | ● | ● | ● | ● | ● | 1 | ● | 4 | 2 | 1 | ● | ● | ● | ● | |
| 0300 | 22 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | ● | ● | ● | ● | ● | ● | ● | ● | ● | 3 | 5 | ● | ● | ● | ● | ● | |
| 0600 | 14 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | ● | ● | ● | ● | ● | ● | 1 | ● | 3 | 2 | 10 | ● | ● | ● | ● | ● | 1 |
| 0900 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 3 | 0 | 1 | 0 | 1 | 1 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 | 4 | 3 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | ● | ● | ● | ● | ● | 0 | 1 | 2 | 1 | 4 | 10 | 6 | ● | 1 | ● | 1 | 1 |
| 1200 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 4 | 1 | 1 | 0 | 0 | |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 1 | ● | ● | ● | ● | 0 | ● | 1 | 2 | 3 | 9 | 8 | 1 | 1 | 0 | ● | |
| 1500 | 7 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 1 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 8 | 4 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | ● | ● | ● | ● | 1 | ● | 1 | ● | ● | 1 | 14 | 5 | ● | ● | 1 | ● | |
| 1800 | 14 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | ● | ● | ● | ● | 1 | 1 | ● | ● | ● | 1 | 13 | ● | ● | ● | ● | ● | |
| 2100 | 19 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | ● | ● | ● | ● | ● | ● | 0 | ● | 1 | 4 | 5 | 1 | ● | ● | ● | ● | |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**FIQ — APRIL 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 6 | 0 | 0 | 1–10 | 2 | 0 | 1 | 3 | 5 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 1 | 1 | 0 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 1 | 3 | 8 | 0 | 0 | 0 | 1 | 0 | 3 | 4 | 1 | 1 | 0 | 0 | 24 |
| 0300 | 4 | 0 | 0 | 1–10 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 5 | 1 | 0 | 1 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 4 | 9 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 5 | 1 | 0 | 1 | 26 |
| 0600 | 1 | 0 | 0 | 1–10 | 0 | 0 | 1 | 0 | 7 | 2 | 0 | 1 | 1 | 1 | 3 | 1 | 3 | 0 | 0 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 11 | 3 | 0 | 2 | 1 | 1 | 3 | 2 | 4 | 0 | 0 | 0 | 29 |
| 0900 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 3 | 2 | 6 | 4 | 0 | 0 | 19 |
| | | | | 11–27 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 1 | 4 | 2 | 0 | 1 | 0 | 0 | 3 | 4 | 8 | 5 | 0 | 0 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 7 | 0 | 1 | 19 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 6 | 2 | 0 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 14 | 9 | 0 | 1 | 30 |
| 1500 | 2 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 3 | 7 | 5 | 0 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 1 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 3 | 14 | 6 | 0 | 1 | 28 |
| 1800 | 9 | 0 | 0 | 1–10 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 4 | 3 | 1 | 0 | 18 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 6 | 3 | 1 | 0 | 21 |
| 2100 | 4 | 0 | 0 | 1–10 | 2 | 0 | 1 | 5 | 4 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 4 | 1 | 0 | 0 | 22 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 1 | 5 | 6 | 0 | 0 | 1 | 0 | 2 | 2 | 1 | 4 | 1 | 0 | 0 | 26 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## PALMYRA (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 7 | 0 | 0 | 1–10 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 11 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 6 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 10 | 0 | 23 |
| 0300 | 11 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 5 | 2 | 13 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 4 | 8 | 2 | 19 |
| 0600 | 8 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 10 | 4 | 1 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 10 | 5 | 1 | 22 |
| 0900 | 6 | 0 | 0 | 1–10 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 5 | 1 | 1 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 7 | 5 | 4 | 1 | 24 |
| 1200 | 6 | 0 | 0 | 1–10 | 1 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 3 | 3 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 3 | 5 | 1 | |
| 1500 | 3 | 0 | 0 | 1–10 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 1 | 1 | 4 | 3 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 3 | 6 | 1 | 0 | 1 | 1 | 0 | 2 | 0 | 1 | 2 | 6 | 4 | 27 |
| 1800 | 3 | 0 | 0 | 1–10 | 2 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 4 | 3 | 2 | 23 |
| | | | | 11–27 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 4 | 4 | 2 | 27 |
| 2100 | 3 | 0 | 0 | 1–10 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 7 | 4 | 1 | 20 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 10 | 5 | 3 | 27 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### DEIR EZZOR (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 21 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 9 |
| 0300 | 17 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 7 | 1 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 7 | 1 | 0 | 0 | 13 |
| 0600 | 16 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 1 | 2 | 1 | 3 | 1 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 1 | 2 | 1 | 3 | 3 | 0 | 0 | 14 |
| 0900 | 11 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 4 | 5 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 3 | 0 | 0 | 1 | 5 | 6 | 0 | 0 | 19 |
| 1200 | 8 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 5 | 3 | 1 | 0 | 17 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 1 | 2 | 2 | 0 | 2 | 5 | 3 | 2 | 0 | 22 |
| 1500 | 11 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 2 | 2 | 1 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 2 | 2 | 3 | 1 | 3 | 2 | 1 | 0 | 19 |
| 1800 | 20 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 4 | 0 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 5 | 0 | 0 | 0 | 10 |
| 2100 | 21 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 6 | 0 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 0 | 0 | 0 | 9 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## RAQQA — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 4 | 0 | 0 | 1-10 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 1 | 2 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 4 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 8 | 7 | 1 | 2 | 0 | 0 | 26 |
| 0300 | 4 | 0 | 0 | 1-10 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 9 | 6 | 0 | 1 | 0 | 0 | 21 |
| | | | | 11-27 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 10 | 6 | 0 | 1 | 0 | 0 | 26 |
| 0600 | 3 | 0 | 0 | 1-10 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 0 | 1 | 1 | 0 | 14 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 3 | 1 | 1 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 5 | 1 | 2 | 1 | 0 | 27 |
| 0900 | 0 | 0 | 0 | 1-10 | 1 | 2 | 4 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 6 | 3 | 1 | 0 | 0 | 1 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 2 | 0 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 4 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 9 | 6 | 3 | 0 | 0 | 1 | 30 |
| 1200 | 1 | 0 | 0 | 1-10 | 1 | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 4 | 2 | 0 | 1 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 2 | 2 | 0 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 5 | 10 | 4 | 2 | 1 | 0 | 0 | 29 |
| 1500 | 1 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 2 | 3 | 1 | 2 | 1 | 0 | 0 | 0 | 14 |
| | | | | 11-27 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 5 | 3 | 0 | 0 | 0 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 3 | 2 | 3 | 5 | 7 | 4 | 0 | 0 | 0 | 29 |
| 1800 | 3 | 0 | 0 | 1-10 | 1 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 4 | 1 | 2 | 2 | 1 | 0 | 19 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 6 | 4 | 3 | 2 | 1 | 0 | 27 |
| 2100 | 3 | 0 | 0 | 1-10 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 5 | 1 | 0 | 0 | 1 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 1 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 7 | 2 | 0 | 0 | 1 | 27 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## QAMISHLIE (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 7 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 2 | 0 | 0 | 10 | 27 |
| | | | | 11-27 | | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 2 | 0 | 0 | 10 | 29 |
| 0300 | 4 | 0 | 0 | 1-10 | 8 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 21 |
| | | | | 11-27 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 2 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 26 |
| 0600 | 7 | 0 | 0 | 1-10 | 3 | 0 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 1 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 9 | 4 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 23 |
| 0900 | 4 | 0 | 0 | 1-10 | 2 | 0 | 0 | 1 | 3 | 0 | 4 | 0 | 1 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 2 | 4 | 5 | 0 | 4 | 0 | 1 | 2 | 3 | 3 | 1 | 0 | 0 | 0 | 26 |
| 1200 | 5 | 0 | 0 | 1-10 | 0 | 1 | 0 | 1 | 3 | 0 | 0 | 2 | 2 | 1 | 2 | 2 | 3 | 0 | 0 | 1 | 18 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 1 | 5 | 0 | 0 | 2 | 2 | 1 | 2 | 2 | 6 | 1 | 0 | 1 | 25 |
| 1500 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 0 | 2 | 1 | 3 | 6 | 0 | 0 | 1 | 19 |
| | | | | 11-27 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 4 | 2 | 0 | 0 | 2 | 0 | 2 | 2 | 5 | 7 | 0 | 0 | 1 | 27 |
| 1800 | 4 | 0 | 0 | 1-10 | 1 | 1 | 3 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 4 | 6 | 2 | 2 | 24 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 4 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 4 | 6 | 2 | 3 | 26 |
| 2100 | 4 | 0 | 0 | 1-10 | 2 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 2 | 10 | 24 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 1 | 2 | 10 | 26 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## SALLUM — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 13 | 0 | 0 | 1–10 | 0 | 1 | 2 | 1 | 1 | 0 | 2 | 0 | 1 | 1 | 2 | 1 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 2 | 1 | 0 | 2 | 1 | 1 | 2 | 3 | 2 | 17 |
| 0300 | 13 | 0 | 0 | 1–10 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 10 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 1 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 0 | 3 | 0 | 0 | 0 | 2 | 1 | 3 | 2 | 2 | 17 |
| 0600 | 12 | 0 | 0 | 1–10 | 3 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 3 | 1 | 3 | 13 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 1 | 1 | 2 | 0 | 1 | 1 | 0 | 4 | 2 | 3 | 18 |
| 0900 | 3 | 0 | 0 | 1–10 | 2 | 6 | 2 | 5 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 19 |
| | | | | 11–27 | 0 | 2 | 0 | 2 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 8 | 2 | 7 | 0 | 1 | 4 | 0 | 0 | 3 | 0 | 0 | 27 |
| 1200 | 3 | 0 | 0 | 1–10 | 13 | 0 | 3 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 19 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 0 | 3 | 1 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 27 |
| 1500 | 4 | 0 | 0 | 1–10 | 4 | 7 | 5 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 21 |
| | | | | 11–27 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 7 | 6 | 1 | 0 | 1 | 2 | 0 | 0 | 2 | 1 | 1 | 26 |
| 1800 | 13 | 0 | 0 | 1–10 | 2 | 3 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 14 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 17 |
| 2100 | 16 | 0 | 0 | 1–10 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 |
| | | | | 11–27 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 14 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MERSA MATRUH (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 1 | 0 | 1 | 3 | 1 | 0 | 2 | 0 | 0 | 3 | 3 | 2 | 16 |
| | | | | 11-27 | 0 | 1 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 7 | 3 | 0 | 2 | 0 | 0 | 5 | 4 | 4 | 29 |
| 0300 | 2 | 0 | 0 | 1-10 | 1 | 0 | 1 | 4 | 2 | 0 | 1 | 1 | 4 | 2 | 3 | 0 | 19 |
| | | | | 11-27 | 1 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 2 | 6 | 4 | 0 | 1 | 1 | 5 | 3 | 4 | 0 | 28 |
| 0600 | 2 | 0 | 0 | 1-10 | 3 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 3 | 3 | 0 | 3 | 17 |
| | | | | 11-27 | 0 | 0 | 2 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 1 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 2 | 5 | 2 | 1 | 1 | 1 | 3 | 3 | 3 | 4 | 28 |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 11 |
| | | | | 11-27 | 5 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 2 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 7 | 7 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 4 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 8 |
| | | | | 11-27 | 0 | 1 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 6 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 5 | 8 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 9 |
| | | | | 11-27 | 1 | 1 | 5 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 5 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 6 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 8 | 5 | 30 |
| 1800 | 2 | 0 | 0 | 1-10 | 3 | 0 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 1 | 9 | 2 | 0 | 0 | 0 | 0 | 2 | 6 | 5 | 28 |
| 2100 | 3 | 0 | 0 | 1-10 | 0 | 0 | 4 | 2 | 2 | 0 | 2 | 0 | 0 | 2 | 1 | 7 | 20 |
| | | | | 11-27 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 5 | 4 | 3 | 0 | 2 | 0 | 0 | 3 | 3 | 7 | 27 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ALEXANDRIA (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1–10 | 3 | 4 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 19 |
| | | | | 11–27 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 5 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 4 | 5 | 28 |
| 0300 | 1 | 0 | 0 | 1–10 | 3 | 3 | 2 | 5 | 2 | 0 | 2 | 0 | 0 | 0 | 2 | 4 | 23 |
| | | | | 11–27 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 3 | 5 | 2 | 0 | 2 | 0 | 0 | 1 | 4 | 5 | 29 |
| 0600 | 0 | 0 | 0 | 1–10 | 4 | 0 | 5 | 4 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 3 | 24 |
| | | | | 11–27 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 6 | 4 | 4 | 0 | 0 | 4 | 0 | 0 | 3 | 3 | 30 |
| 0900 | 0 | 0 | 0 | 1–10 | 2 | 0 | 3 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 5 | 19 |
| | | | | 11–27 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 3 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 4 | 5 | 0 | 1 | 0 | 3 | 0 | 1 | 5 | 8 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 |
| | | | | 11–27 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 9 | 25 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 10 | 30 |
| 1500 | 0 | 0 | 0 | 1–10 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 |
| | | | | 11–27 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 22 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10 | 30 |
| 1800 | 0 | 0 | 0 | 1–10 | 8 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 19 |
| | | | | 11–27 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 5 | 6 | 30 |
| 2100 | 2 | 0 | 0 | 1–10 | 3 | 2 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 20 |
| | | | | 11–27 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 6 | 28 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DEKHEILA (A)—APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 324 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1—10 | 5 | 3 | 2 | 4 | 6 | 1 | 0 | 1 | 1 | 0 | 0 | 5 | 28 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 2 | 4 | 6 | 1 | 0 | 1 | 1 | 0 | 1 | 5 | 29 |
| 0300 | 1 | 0 | 0 | 1—10 | 4 | 2 | 0 | 7 | 5 | 2 | 0 | 2 | 0 | 0 | 0 | 6 | 28 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 0 | 7 | 5 | 2 | 0 | 2 | 0 | 0 | 1 | 6 | 29 |
| 0600 | 0 | 0 | 0 | 1—10 | 4 | 3 | 1 | 5 | 5 | 3 | 0 | 3 | 0 | 0 | 1 | 5 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 1 | 5 | 5 | 3 | 0 | 3 | 0 | 0 | 1 | 5 | 30 |
| 0900 | 0 | 0 | 0 | 1—10 | 2 | 8 | 0 | 0 | 4 | 4 | 1 | 0 | 0 | 1 | 5 | 4 | 29 |
| | | | | 11—27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 8 | 1 | 0 | 4 | 4 | 1 | 0 | 0 | 1 | 5 | 4 | 30 |
| 1200 | 0 | 0 | 0 | 1—10 | 8 | 4 | 6 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 7 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 4 | 6 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 7 | 30 |
| 1500 | 0 | 0 | 0 | 1—10 | 5 | 5 | 8 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 5 | 8 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 30 |
| 1800 | 0 | 0 | 0 | 1—10 | 8 | 2 | 5 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 5 | 28 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 2 | 5 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 6 | 30 |
| 2100 | 1 | 0 | 0 | 1—10 | 5 | 2 | 1 | 7 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 1 | 7 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 29 |

**TABLE A 6.– NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## PORT SAID (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 2 | 2 | 3 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 2 | 3 | 16 |
| | | | | 11–27 | 1 | 1 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 5 | 4 | 3 | 1 | 0 | 0 | 1 | 2 | 3 | 5 | 30 |
| 0300 | 0 | 0 | 0 | 1–10 | 4 | 1 | 0 | 3 | 2 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 14 |
| | | | | 11–27 | 2 | 0 | 4 | 3 | 0 | 1 | 0 | 0 | 1 | 2 | 2 | 1 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 4 | 6 | 2 | 1 | 0 | 0 | 2 | 3 | 3 | 2 | 30 |
| 0600 | 0 | 0 | 0 | 1–10 | 6 | 1 | 2 | 2 | 2 | 0 | 1 | 1 | 2 | 1 | 2 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 4 | 6 | 3 | 0 | 1 | 1 | 2 | 3 | 2 | 1 | 30 |
| 0900 | 0 | 0 | 0 | 1–10 | 5 | 0 | 4 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 4 | 16 |
| | | | | 11–27 | 2 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 12 | 0 | 0 | 0 | 3 | 0 | 1 | 2 | 0 | 5 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 6 | 4 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 15 |
| | | | | 11–27 | 4 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 7 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 30 |
| 1500 | 0 | 0 | 0 | 1–10 | 1 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 11–27 | 8 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 24 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 5 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 30 |
| 1800 | 0 | 0 | 0 | 1–10 | 1 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 |
| | | | | 11–27 | 8 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 22 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 1 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 30 |
| 2100 | 0 | 0 | 0 | 1–10 | 5 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 13 |
| | | | | 11–27 | 2 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 1 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 6 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 1 | 30 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## EL ARISH—APRIL 1959

| Hour | Calm | Variable | Not observed | Widd speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 17 | 0 | 0 | 1—10 | 2 | 1 | 0 | 0 | 0 | 3 | 0 | 3 | 2 | 2 | 0 | 0 | 13 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 0 | 0 | 3 | 0 | 3 | 2 | 2 | 0 | 0 | 13 |
| 0300 | 15 | 0 | 0 | 1—10 | 0 | 1 | 0 | 0 | 0 | 4 | 2 | 4 | 3 | 1 | 0 | 0 | 15 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 4 | 2 | 4 | 3 | 1 | 0 | 0 | 15 |
| 0600 | 8 | 0 | 0 | 1—10 | 1 | 0 | 0 | 3 | 3 | 1 | 2 | 5 | 1 | 2 | 4 | 0 | 22 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 3 | 3 | 1 | 2 | 5 | 1 | 2 | 4 | 0 | 22 |
| 0900 | 1 | 0 | 0 | 1—10 | 6 | 7 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 5 | 5 | 2 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 7 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 5 | 5 | 2 | 29 |
| 1200 | 0 | 0 | 0 | 1—10 | 10 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 30 |
| 1500 | 0 | 0 | 0 | 1—10 | 8 | 8 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 7 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 8 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 7 | 30 |
| 1800 | 8 | 0 | 0 | 1—10 | 5 | 5 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 22 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 5 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 22 |
| 2100 | 17 | 0 | 0 | 1—10 | 1 | 1 | 2 | 0 | 1 | 2 | 0 | 1 | 1 | 2 | 2 | 0 | 13 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 0 | 1 | 2 | 0 | 1 | 1 | 2 | 2 | 0 | 13 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ABU SUEIR (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 8 | 0 | 0 | 1–10 | 1 | 2 | 3 | 3 | 1 | 0 | 0 | 0 | 4 | 1 | 3 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 3 | 4 | 1 | 0 | 0 | 0 | 4 | 4 | 3 | 0 | 22 |
| 0300 | 13 | 0 | 0 | 1–10 | 0 | 1 | 2 | 0 | 2 | 0 | 0 | 0 | 2 | 4 | 3 | 0 | 14 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 3 | 0 | 2 | 0 | 0 | 0 | 2 | 6 | 3 | 0 | 17 |
| 0600 | 4 | 0 | 0 | 1–10 | 3 | 1 | 5 | 1 | 2 | 0 | 0 | 1 | 0 | 3 | 1 | 1 | 18 |
| | | | | 11–27 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 7 | 2 | 2 | 0 | 0 | 1 | 1 | 6 | 2 | 1 | 26 |
| 0900 | 3 | 0 | 0 | 1–10 | 4 | 1 | 5 | 1 | 2 | 2 | 0 | 0 | 0 | 1 | 2 | 1 | 19 |
| | | | | 11–27 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 7 | 2 | 2 | 2 | 0 | 0 | 0 | 2 | 3 | 2 | 27 |
| 1200 | 2 | 0 | 0 | 1–10 | 1 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 4 | 3 | 18 |
| | | | | 11–27 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 7 | 4 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 5 | 4 | 28 |
| 1500 | 1 | 0 | 0 | 1–10 | 3 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 8 |
| | | | | 11–27 | 6 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 1 | 29 |
| 1800 | 0 | 0 | 0 | 1–10 | 3 | 6 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 15 |
| | | | | 11–27 | 3 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 9 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 30 |
| 2100 | 10 | 0 | 0 | 1–10 | 1 | 8 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 8 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 20 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## CAIRO (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 0 | 1-10 | 1 | 2 | 7 | 3 | 0 | 0 | 1 | 2 | 0 | 2 | 2 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 10 | 3 | 2 | 0 | 1 | 2 | 0 | 2 | 2 | 0 | 25 |
| 0300 | 4 | 0 | 0 | 1-10 | 1 | 6 | 5 | 3 | 0 | 0 | 3 | 0 | 1 | 3 | 0 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 6 | 7 | 3 | 2 | 0 | 3 | 0 | 1 | 3 | 0 | 0 | 26 |
| 0600 | 3 | 0 | 0 | 1-10 | 1 | 10 | 0 | 1 | 0 | 2 | 0 | 1 | 3 | 2 | 2 | 1 | 23 |
| | | | | 11-27 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 10 | 4 | 1 | 0 | 2 | 0 | 1 | 3 | 2 | 2 | 1 | 27 |
| 0900 | 0 | 0 | 0 | 1-10 | 1 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 3 | 1 | 24 |
| | | | | 11-27 | 0 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 8 | 6 | 2 | 0 | 0 | 0 | 0 | 5 | 4 | 3 | 1 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 3 | 4 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 4 | 3 | 3 | 21 |
| | | | | 11-27 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 5 | 4 | 0 | 0 | 1 | 0 | 1 | 2 | 6 | 4 | 3 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 3 | 21 |
| | | | | 11-27 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 5 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 6 | 3 | 30 |
| 1800 | 1 | 0 | 0 | 1-10 | 3 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 3 | 18 |
| | | | | 11-27 | 1 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 8 | 4 | 3 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 4 | 29 |
| 2100 | 1 | 0 | 0 | 1-10 | 0 | 9 | 9 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 26 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 10 | 9 | 0 | 3 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 29 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ALMAZA (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1–10 | 2 | 5 | 3 | 2 | 1 | 0 | 1 | 0 | 1 | 1 | 2 | 1 | 19 |
| | | | | 11–27 | 0 | 2 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 7 | 4 | 7 | 2 | 0 | 1 | 0 | 1 | 1 | 2 | 2 | 29 |
| 0300 | 0 | 0 | 0 | 1–10 | 5 | 3 | 3 | 2 | 2 | 0 | 2 | 0 | 1 | 4 | 1 | 0 | 23 |
| | | | | 11–27 | 0 | 1 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 4 | 6 | 3 | 0 | 2 | 0 | 1 | 4 | 1 | 0 | 30 |
| 0600 | 0 | 0 | 0 | 1–10 | 3 | 5 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 4 | 3 | 0 | 20 |
| | | | | 11–27 | 0 | 2 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 7 | 5 | 6 | 1 | 0 | 0 | 0 | 1 | 4 | 3 | 0 | 30 |
| 0900 | 0 | 0 | 0 | 1–10 | 4 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 15 |
| | | | | 11–27 | 0 | 8 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 10 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 4 | 15 |
| | | | | 11–27 | 3 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 4 | 30 |
| 1500 | 0 | 0 | 0 | 1–10 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 5 | 13 |
| | | | | 11–27 | 4 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 11 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 6 | 30 |
| 1800 | 0 | 0 | 0 | 1–10 | 2 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 14 |
| | | | | 11–27 | 3 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 8 | 8 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 30 |
| 2100 | 0 | 0 | 0 | 1–10 | 1 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 18 |
| | | | | 11–27 | 0 | 5 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 11 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 30 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ABBASIYA (H.Q.) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 4 | 0 | 3 | 1–10 | 4 | 4 | 5 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 5 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 23 |
| 0300 | 6 | 0 | 0 | 1–10 | 11 | 1 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 2 | 23 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 2 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 2 | 24 |
| 0600 | 2 | 0 | 0 | 1–10 | 6 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 5 | 24 |
| | | | | 11–27 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 5 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 5 | 28 |
| 0900 | 0 | 0 | 0 | 1–10 | 6 | 3 | 4 | 1 | 0 | 0 | 0 | 2 | 5 | 0 | 1 | 2 | 24 |
| | | | | 11–27 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 6 | 5 | 1 | 0 | 0 | 0 | 3 | 5 | 0 | 1 | 3 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 4 | 6 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 3 | 6 | 24 |
| | | | | 11–27 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 10 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 1 | 3 | 6 | 30 |
| 1500 | 1 | 0 | 0 | 1–10 | 9 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 8 | 25 |
| | | | | 11–27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 9 | 29 |
| 1800 | 1 | 0 | 0 | 1–10 | 17 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 25 |
| | | | | 11–27 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 17 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 3 | 29 |
| 2100 | 1 | 0 | 0 | 1–10 | 8 | 6 | 4 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 28 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 7 | 4 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 29 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MOSTAFA HELMI (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 5 | 3 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 20 |
| | | | | 11–27 | 1 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 7 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 30 |
| 0300 | 0 | 0 | 0 | 1–10 | 10 | 0 | 1 | 3 | 1 | 2 | 0 | 0 | 2 | 3 | 0 | 0 | 22 |
| | | | | 11–27 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 1 | 5 | 4 | 1 | 2 | 0 | 0 | 2 | 3 | 2 | 0 | 30 |
| 0600 | 0 | 0 | 0 | 1–10 | 0 | 2 | 1 | 3 | 0 | 2 | 3 | 1 | 0 | 0 | 1 | 3 | 16 |
| | | | | 11–27 | 2 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 5 | 5 | 5 | 0 | 2 | 3 | 1 | 0 | 1 | 3 | 3 | 30 |
| 0900 | 0 | 0 | 0 | 1–10 | 4 | 1 | 2 | 1 | 4 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 16 |
| | | | | 11–27 | 2 | 3 | 4 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 1 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 6 | 1 | 4 | 0 | 1 | 2 | 0 | 1 | 2 | 3 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 3 | 2 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 12 |
| | | | | 11–27 | 2 | 6 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 4 | 18 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 8 | 4 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 5 | 5 | 30 |
| 1500 | 0 | 0 | 0 | 1–10 | 2 | 2 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 11 |
| | | | | 11–27 | 4 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 18 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 6 | 5 | 0 | 1 | 0 | 2 | 0 | 1 | 1 | 2 | 6 | 30 |
| 1800 | 0 | 0 | 0 | 1–10 | 0 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| | | | | 11–27 | 8 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 23 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 5 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 30 |
| 2100 | 0 | 0 | 0 | 1–10 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 12 |
| | | | | 11–27 | 3 | 5 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 18 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 7 | 5 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 4 | 30 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## GIZA—APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 0 | 1—10 | 2 | 7 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 2 | 6 | 25 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 7 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 2 | 6 | 25 |
| 0300 | 6 | 2 | 0 | 1—10 | 4 | 4 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 4 | 5 | 22 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 4 | 5 | 22 |
| 0600 | 1 | 0 | 0 | 1—10 | 7 | 1 | 5 | 0 | 0 | 1 | 0 | 1 | 0 | 5 | 1 | 8 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 1 | 5 | 0 | 0 | 1 | 0 | 1 | 0 | 5 | 1 | 8 | 29 |
| 0900 | 1 | 0 | 0 | 1—10 | 4 | 6 | 3 | 1 | 1 | 3 | 1 | 2 | 0 | 1 | 4 | 3 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 6 | 3 | 1 | 1 | 3 | 1 | 2 | 0 | 1 | 4 | 3 | 29 |
| 1200 | 0 | 0 | 0 | 1—10 | 9 | 6 | 2 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 3 | 5 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 6 | 2 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 3 | 5 | 30 |
| 1500 | 1 | 0 | 0 | 1—10 | 8 | 10 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 5 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 10 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 5 | 29 |
| 1800 | 1 | 0 | 0 | 1—10 | 7 | 6 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 7 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 6 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 7 | 29 |
| 2100 | 1 | 1 | 0 | 1—10 | 7 | 7 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 6 | 28 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 7 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 6 | 28 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MINYA (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 4 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 12 | 20 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 16 | 26 |
| 0300 | 5 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 5 | 7 | 16 |
| | | | | 11–27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 6 | 11 | 25 |
| 0600 | 4 | 0 | 0 | 1–10 | 5 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 6 | 16 |
| | | | | 11–27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 12 | 26 |
| 0900 | 0 | 0 | 0 | 1–10 | 6 | 2 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 20 |
| | | | | 11–27 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 2 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 9 | 30 |
| 1200 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 3 | 5 | 12 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 13 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 4 | 18 | 29 |
| 1500 | 3 | 0 | 0 | 1–10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 12 |
| | | | | 11–27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 14 | 27 |
| 1800 | 4 | 0 | 0 | 1–10 | 11 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 13 | 26 |
| 2100 | 3 | 0 | 0 | 1–10 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 3 | 6 | 15 |
| | | | | 11–27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 14 | 27 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ASYOUT (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 10 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 4 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 5 | 20 |
| 0300 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 15 | 4 | 2 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 15 | 4 | 2 | 24 |
| 0600 | 7 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 13 | 0 | 3 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 13 | 1 | 3 | 23 |
| 0900 | 8 | 0 | 0 | 1-10 | 2 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 20 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 22 |
| 1200 | 5 | 0 | 0 | 1-10 | 7 | 3 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 4 | 5 | 22 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 3 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 4 | 6 | 25 |
| 1500 | 4 | 0 | 0 | 1-10 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 22 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 13 | 26 |
| 1800 | 9 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 7 | 6 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 7 | 6 | 21 |
| 2100 | 10 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 8 | 0 | 2 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 8 | 0 | 2 | 20 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## LUXOR (A) — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 15 | 0 | 0 | 1–10 | 2 | 4 | 0 | 3 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 0 | 3 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 15 |
| 0300 | 11 | 0 | 0 | 1–10 | 3 | 3 | 1 | 4 | 0 | 3 | 0 | 0 | 2 | 1 | 0 | 2 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 1 | 4 | 0 | 3 | 0 | 0 | 2 | 1 | 0 | 2 | 19 |
| 0600 | 16 | 0 | 0 | 1–10 | 0 | 3 | 2 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 4 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 2 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 5 | 14 |
| 0900 | 1 | 0 | 0 | 1–10 | 4 | 2 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 6 | 20 |
| | | | | 11–27 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 2 | 2 | 1 | 0 | 1 | 2 | 0 | 0 | 1 | 2 | 11 | 29 |
| 1200 | 2 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 4 | 2 | 9 | 22 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 4 | 2 | 13 | 28 |
| 1500 | 2 | 0 | 0 | 1–10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 13 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 7 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 20 | 29 |
| 1800 | 11 | 0 | 0 | 1–10 | 0 | 1 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 6 | 0 | 7 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 6 | 0 | 7 | 19 |
| 2100 | [illegible] | 0 | 0 | 1–10 | 3 | 0 | 0 | 0 | 3 | 2 | 3 | 4 | 0 | 0 | 0 | 6 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 3 | 2 | 3 | 4 | 0 | 0 | 1 | 6 | 22 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ASWAN — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 14 | 0 | 0 | 1-10 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | • | • | • | • | • | • | • | • | • | • | • | 16 |
| 0300 | 21 | 0 | 0 | 1-10 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 1 | • | • | • | • | • | • | • | • | • | • | 9 |
| 0600 | 16 | 0 | 0 | 1-10 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 6 | • | • | • | • | • | • | • | • | • | • | 14 |
| 0900 | 8 | 0 | 0 | 1-10 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 6 | • | • | • | • | • | • | • | • | • | • | 22 |
| 1200 | 7 | 0 | 0 | 1-10 | 12 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 7 | • | • | • | • | • | • | • | • | • | • | 23 |
| 1500 | 4 | 0 | 0 | 1-10 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 23 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 3 | • | • | • | • | • | • | • | 1 | • | 6 | 26 |
| 1800 | 11 | 0 | 0 | 1-10 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 16 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 1 | • | • | • | • | • | • | • | 1 | 1 | 2 | 19 |
| 2100 | 17 | 0 | 0 | 1-10 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 2 | • | • | • | • | • | • | • | • | • | 1 | 13 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## SIWA — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 4 | 0 | 0 | 1-10 | 1 | 4 | 3 | 7 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 20 |
| | | | | 11-27 | 1 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 5 | 3 | 11 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 26 |
| 0300 | 7 | 0 | 0 | 1-10 | 3 | 2 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 17 |
| | | | | 11-27 | 1 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 4 | 7 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 23 |
| 0600 | 7 | 0 | 0 | 1-10 | 1 | 3 | 2 | 4 | 5 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 18 |
| | | | | 11-27 | 1 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 3 | 5 | 7 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 23 |
| 0900 | 0 | 0 | 0 | 1-10 | 3 | 2 | 2 | 2 | 3 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 18 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 3 | 3 | 1 | 0 | 0 | 1 | 1 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 2 | 2 | 6 | 6 | 2 | 1 | 1 | 1 | 1 | 1 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 3 | 5 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 1 | 0 | 1 | 16 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 3 | 3 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 5 | 0 | 0 | 3 | 2 | 3 | 2 | 1 | 1 | 3 | 4 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 5 | 1 | 2 | 0 | 1 | 1 | 4 | 0 | 1 | 0 | 0 | 2 | 17 |
| | | | | 11-27 | 4 | 1 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 3 | 0 | 1 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 2 | 2 | 0 | 3 | 3 | 4 | 0 | 1 | 3 | 0 | 3 | 30 |
| 1800 | 0 | 0 | 0 | 1-10 | 5 | 3 | 1 | 2 | 1 | 3 | 3 | 0 | 0 | 2 | 1 | 3 | 24 |
| | | | | 11-27 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 1 | 3 | 1 | 5 | 3 | 0 | 0 | 2 | 1 | 5 | 30 |
| 2100 | 8 | 0 | 0 | 1-10 | 1 | 1 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 13 |
| | | | | 11-27 | 1 | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 5 | 4 | 4 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 22 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## BAHARIYA — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 19 | 0 | 0 | 1–10 | 3 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 11 |
| 0300 | 29 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 0600 | 21 | 0 | 0 | 1–10 | 1 | 3 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 0900 | 10 | 0 | 0 | 1–10 | 3 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 11 |
| | | | | 11–27 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 20 |
| 1200 | 11 | 0 | 0 | 1–10 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 8 |
| | | | | 11–27 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 19 |
| 1500 | 9 | 0 | 0 | 1–10 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| | | | | 11–27 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 10 |
| | | | | 28–47 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 4 | 21 |
| 1800 | 18 | 0 | 0 | 1–10 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 12 |
| 2100 | 16 | 0 | 0 | 1–10 | 1 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 |
| | | | | 11–27 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 7 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 14 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DAKHLA—APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 9 | 0 | 0 | 1—10 | 0 | 2 | 0 | 1 | 4 | 1 | 1 | 2 | 2 | 4 | 2 | 2 | 21 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 1 | 4 | 1 | 1 | 2 | 2 | 4 | 2 | 2 | 21 |
| 0300 | 12 | 0 | 0 | 1—10 | 1 | 2 | 0 | 1 | 0 | 0 | 1 | 2 | 3 | 3 | 4 | 1 | 18 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 0 | 1 | 0 | 0 | 1 | 2 | 3 | 3 | 4 | 1 | 18 |
| 0600 | 7 | 0 | 0 | 1—10 | 2 | 0 | 1 | 2 | 1 | 1 | 0 | 1 | 2 | 3 | 6 | 4 | 23 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 1 | 2 | 1 | 1 | 0 | 1 | 2 | 3 | 6 | 4 | 23 |
| 0900 | 1 | 0 | 0 | 1—10 | 5 | 3 | 2 | 5 | 1 | 0 | 0 | 0 | 3 | 0 | 1 | 8 | 28 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 2 | 5 | 1 | 0 | 0 | 0 | 3 | 1 | 1 | 8 | 29 |
| 1200 | 1 | 0 | 0 | 1—10 | 6 | 1 | 2 | 2 | 2 | 1 | 1 | 0 | 2 | 2 | 3 | 7 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 2 | 2 | 2 | 1 | 1 | 0 | 2 | 2 | 3 | 7 | 29 |
| 1500 | 1 | 0 | 0 | 1—10 | 5 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 3 | 4 | 3 | 9 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 3 | 4 | 3 | 9 | 29 |
| 1800 | 8 | 0 | 0 | 1—10 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 4 | 7 | 21 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 4 | 7 | 22 |
| 2100 | 10 | 0 | 0 | 1—10 | 1 | 0 | 2 | 1 | 1 | 0 | 1 | 2 | 3 | 1 | 5 | 3 | 20 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speed | 1 | 0 | 2 | 1 | 1 | 0 | 1 | 2 | 3 | 1 | 5 | 3 | 20 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## HURGHADA — APRIL 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases o occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 5 | 10 |
| | | | | 11–27 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 8 | 17 |
| | | | | 28–47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 14 | 29 |
| 0300 | 1 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 12 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 13 |
| | | | | 28–47 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 17 | 29 |
| 0600 | 1 | 0 | 0 | 1–10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 |
| | | | | 11–27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 19 |
| | | | | 28–47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 29 |
| 0900 | 0 | 0 | 0 | 1–10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11–27 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 25 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 18 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 2 | 5 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11–27 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 10 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 3 | 30 |
| 1500 | 0 | 0 | 0 | 1–10 | 5 | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 13 |
| | | | | 11–27 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 2 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 6 | 30 |
| 1800 | 4 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 6 |
| | | | | 11–27 | 7 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 10 | 19 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 2 | 12 | 26 |
| 2100 | 2 | 0 | 0 | 1–10 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 5 | 14 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 14 | 28 |

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

### ALEPPO (A) — 0000 U.T.—APRIL 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 24 | 968mb | 975mb | 961mb | 24 | 12.1 | 16.6 | 7.1 | 24 | 5.2 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 24 | 1477 | 1543 | 1407 | 24 | 11.4 | 23.0 | 4.0 | 24 | — 3.0 |
| 700 ... ... ... ... | 24 | 3067 | 3139 | 2958 | 24 | 1.3 | 9.5 | — 5.3 | 24 | —12.9 |
| 600 ... ... ... ... | 24 | 4288 | 4361 | 4192 | 24 | — 6.4 | — 1.2 | —10.4 | 22 | —21.6 |
| 500 ... ... ... ... | 24 | 5685 | 5777 | 5518 | 24 | —16.2 | —11.0 | —22.6 | 22 | —30.4 |
| 400 ... ... ... ... | 24 | 7323 | 7439 | 7115 | 24 | —28.2 | —22.8 | —35.0 | 22 | —41.4 |
| 300 ... ... ... ... | 24 | 9321 | 9471 | 9056 | 24 | —42.7 | —37.7 | —46.3 | 19 | —53.4 |
| 200 ... ... ... ... | 19 | 11962 | 12127 | 11750 | 19 | —50.1 | —44.9 | —61.3 | 10 | —70.3 |
| 150 ... ... ... ... | 17 | 13784 | 13962 | 13613 | 17 | —56.0 | —47.2 | —61.9 | — | — |
| 100 ... ... ... ... | 15 | 16340 | 16504 | 16128 | 15 | —59.3 | —55.2 | —63.1 | — | — |
| 60 ... ... ... ... | 12 | 19532 | 19672 | 19344 | 12 | —60.1 | —56.9 | —64.9 | — | — |
| 40 ... ... ... ... | 6 | 22070 | 22150 | 21912 | 6 | —59.0 | —56.9 | —62.0 | — | — |
| 30 ... ... ... ... | 5 | 23875 | 23958 | 23733 | 5 | —58.6 | —57.0 | —59.7 | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

### ALEPPO (A) — 1200 U.T.—APRIL 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 30 | 968mb | 976mb | 960mb | 30 | 22.5 | 28.7 | 15.6 | 30 | 4.0 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 30 | 1491 | 1562 | 1424 | 30 | 12.7 | 19.4 | 4.6 | 30 | — 3.0 |
| 700 ... ... ... ... | 30 | 3084 | 3157 | 2985 | 30 | 1.7 | 8.9 | — 7.8 | 30 | —13.3 |
| 600 ... ... ... ... | 30 | 4308 | 4399 | 4168 | 30 | — 5.3 | 1.0 | —11.9 | 29 | —21.7 |
| 500 ... ... ... ... | 30 | 5713 | 5830 | 5527 | 30 | —15.3 | — 8.7 | —22.2 | 28 | —28.6 |
| 400 ... ... ... ... | 30 | 7351 | 7513 | 7132 | 30 | —27.3 | —22.0 | —33.7 | 24 | —40.3 |
| 300 ... ... ... ... | 28 | 9362 | 9570 | 9081 | 28 | —42.0 | —34.8 | —48.7 | 18 | —53.9 |
| 200 ... ... ... ... | 24 | 12009 | 12242 | 11739 | 24 | —56.2 | —48.1 | —62.4 | 5 | —68.4 |
| 150 ... ... ... ... | 20 | 13907 | 13968 | 13625 | 20 | —57.1 | —50.7 | —63.3 | — | — |
| 100 ... ... ... ... | 17 | 16361 | 16618 | 16139 | 17 | —59.0 | —55.4 | —65.0 | — | — |
| 60 ... ... ... ... | 7 | 19565 | 19650 | 19454 | 7 | —61.3 | —59.0 | —65.0 | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 0000 U.T. — APRIL 1959.

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew Point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 23 | 1008mb | 1014mb | 1003mb | 23 | 15.2 | 18.2 | 10.8 | 23 | 11.0 |
| 1000 ... ... ... ... | 23 | 110 | 160 | 67 | 23 | 15·0 | 18.3 | 11.9 | 19 | 10.5 |
| 850 ... ... ... ... | 23 | 1479 | 1518 | 1436 | 23 | 11.4 | 18.6 | 3.2 | 13 | — 0.8 |
| 700 ... ... ... ... | 23 | 3075 | 3120 | 3015 | 23 | 2.1 | 10.0 | — 7.1 | 9 | — 5.7 |
| 600 ... ... ... ... | 23 | 4300 | 4367 | 4199 | 23 | — 6.2 | — 0.2 | —14.6 | 7 | —11·6 |
| 500 ... ... ... ... | 23 | 5700 | 5786 | 5589 | 23 | —16.2 | —11.0 | —25.0 | 5 | —23.1 |
| 400 ... ... ... ... | 22 | 7345 | 7448 | 7129 | 22 | —28.5 | —25.2 | —36.0 | 3 | —37.5 |
| 300 ... ... ... ... | 15 | 9346 | 9448 | 9101 | 15 | —43.5 | —41.0 | —49.6 | — | — |
| 200 ... ... ... ... | 2 | 11873 | 11925 | 11821 | 2 | —53.1 | —52.4 | —53.9 | — | — |
| 150 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—URPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 1200 U.T. — APRIL 1959

| Pressure surface (millibar) | Hights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 26 | 1008mb | 1017mb | 1000mb | 26 | 20.8 | 27.6 | 18.0 | 26 | 11.6 |
| 1000 ... ... ... ... | 26 | 114 | 188 | 42 | 26 | 20.2 | 27.4 | 17.1 | 25 | 11.0 |
| 850 ... ... ... ... | 26 | 1492 | 1550 | 1433 | 26 | 11.8 | 18.6 | 6.0 | 17 | — 2·5 |
| 700 ... ... ... ... | 26 | 3092 | 3151 | 3037 | 26 | 3.3 | 9.0 | — 2.4 | 9 | — 7.3 |
| 600 ... ... ... ... | 26 | 4323 | 4404 | 4263 | 26 | — 4.6 | 2.8 | —10.0 | 5 | —11.2 |
| 500 ... ... ... ... | 25 | 5730 | 5824 | 5622 | 25 | —14.7 | — 9.3 | —20.0 | 4 | —22.8 |
| 400 ... ... ... ... | 21 | 7379 | 7516 | 7253 | 21 | —27.1 | —21.6 | —33.3 | 2 | —35.2 |
| 300 ... ... ... ... | 14 | 9388 | 9543 | 9222 | 14 | —43.8 | —37.0 | —59.2 | — | — |
| 200 ... ... ... ... | 5 | 11920 | 11988 | 11835 | 5 | —52.1 | —42.6 | —55.3 | — | — |
| 150 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A)—0000 U.T. — APRIL 1959.

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 27 | 1007mb | 1013mb | 1001mb | 27 | 16.4 | 25.4 | 12.3 | 27 | 9.9 |
| 1000 ... ... ... ... | 27 | 127 | 178 | 79 | 27 | 16.0 | 25.3 | 12.8 | 24 | 8.5 |
| 850 ... ... ... ... | 27 | 1503 | 1538 | 1461 | 27 | 12.8 | 23.4 | 2.5 | 14 | —10.8 |
| 700 ... ... ... ... | 27 | 3107 | 3155 | 3033 | 27 | 4.1 | 8.8 | — 4.3 | 8 | —11.9 |
| 600 ... ... ... ... | 27 | 4340 | 4404 | 4251 | 27 | — 4.0 | 5.7 | —12.8 | 10 | —14.6 |
| 500 ... ... ... ... | 27 | 5749 | 5815 | 5592 | 27 | —15.0 | — 9.8 | —21.7 | 12 | —23.0 |
| 400 ... ... ... ... | 27 | 7399 | 7486 | 7193 | 27 | —27.1 | —22.7 | —34.3 | 9 | —33.4 |
| 300 ... ... ... ... | 25 | 9426 | 9527 | 9187 | 25 | —42.2 | —38.0 | —47.2 | — | — |
| 200 ... ... ... ... | 16 | 12077 | 12178 | 11864 | 16 | —55.8 | —50.2 | —60.4 | — | — |
| 150 ... ... ... ... | 9 | 13865 | 13990 | 13736 | 9 | —60.8 | —52.8 | —69.0 | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A)—1200 U.T. — APRIL 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1006mb | 1014mb | 996mb | 29 | 27.5 | 38.2 | 21.6 | 29 | 7.2 |
| 1000 ... ... ... ... | 28 | 126 | 191 | 79 | 28 | 25.1 | 38.1 | 20.7 | 24 | 6.3 |
| 850 ... ... ... ... | 29 | 1520 | 1580 | 1466 | 28 | 13.5 | 25.2 | 5.6 | 16 | 0.2 |
| 700 ... ... ... ... | 29 | 3126 | 3184 | 3051 | 29 | 4.7 | 10.7 | — 4.9 | 8 | — 9.0 |
| 600 ... ... ... ... | 29 | 4362 | 4449 | 4241 | 29 | — 3.6 | 3.7 | —12.8 | 8 | —13.9 |
| 500 ... ... ... ... | 29 | 5774 | 5846 | 5608 | 29 | —13.4 | — 3.5 | —22.1 | 5 | —22.5 |
| 400 ... ... ... ... | 29 | 7430 | 7612 | 7222 | 29 | —26.0 | —22.7 | —32.2 | 3 | —31.2 |
| 300 ... ... ... ... | 26 | 9452 | 9645 | 9225 | 26 | —41.3 | —38.8 | —47.6 | — | — |
| 200 ... ... ... ... | 15 | 12123 | 12324 | 11877 | 15 | —54.7 | —49.9 | —58.3 | — | — |
| 150 ... ... ... ... | 8 | 13939 | 14020 | 13721 | 8 | —60.6 | —54.0 | —68.5 | — | — |
| 100 ... ... ... ... | 6 | 16441 | 16622 | 16260 | 6 | —64.4 | —59.3 | —69.5 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 0000 U.T. — APRIL 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 21 | 996mb | 1002mb | 992mb | 21 | 21.8 | 31.6 | 17.7 | 21 | 10.2 |
| 1000 ... ... ... ... | 2 | 119 | 123 | 115 | 2 | 18.7 | 19.0 | 17.3 | — | — |
| 850 ... ... ... ... | 21 | 1480 | 1516 | 1456 | 21 | 19.2 | 26.3 | 10.7 | 4 | — 3.0 |
| 700 ... ... ... ... | 21 | 3114 | 3168 | 3073 | 21 | 8.8 | 13.1 | 5.4 | 5 | — 7.5 |
| 600 ... ... ... ... | 21 | 4369 | 4442 | 4316 | 21 | — 0.3 | 2.3 | — 3.0 | 6 | —10.3 |
| 500 ... ... ... ... | 21 | 5800 | 5894 | 5729 | 21 | —10.6 | — 6.6 | —13.1 | 9 | —22.3 |
| 400 ... ... ... ... | 21 | 7481 | 7603 | 7386 | 21 | —22.4 | —18.6 | —26.3 | 8 | —30.2 |
| 300 ... ... ... ... | 20 | 9527 | 9682 | 9409 | 20 | —37.8 | —27.8 | —42.1 | 8 | —30.1 |
| 200 ... ... ... ... | 20 | 12227 | 12412 | 12049 | 20 | —54.8 | —51.3 | —58.2 | — | — |
| 150 ... ... ... ... | 20 | 14044 | 14209 | 13846 | 20 | —63.4 | —55.3 | —68.7 | — | — |
| 100 ... ... ... ... | 17 | 16447 | 16641 | 16273 | 17 | —74.5 | —64.5 | —81.9 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 1200 U.T. — APRIL 1959.

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 20 | 996mb | 1001mb | 990mb | 20 | 36.9 | 44.2 | 28.5 | 20 | 2.8 |
| 1000 ... ... ... ... | 3 | 115 | 115 | 115 | 3 | 31.9 | 35.2 | 28.4 | 2 | 3.3 |
| 850 ... ... ... ... | 20 | 1506 | 1543 | 1468 | 20 | 21.7 | 30.3 | 11.3 | 5 | — 2.9 |
| 700 ... ... ... ... | 20 | 3154 | 3186 | 3121 | 20 | 10.6 | 15.0 | 5.6 | 5 | —11.9 |
| 600 ... ... ... ... | 20 | 4416 | 4450 | 4361 | 20 | 1.1 | 4.7 | — 4.4 | 6 | —10.4 |
| 500 ... ... ... ... | 20 | 5859 | 5895 | 5781 | 20 | — 8.6 | — 3.7 | —12.3 | 6 | —19.9 |
| 400 ... ... ... ... | 20 | 7553 | 7599 | 7451 | 20 | —20.3 | —18.0 | —24.7 | 9 | —31.1 |
| 300 ... ... ... ... | 20 | 9615 | 9736 | 9465 | 20 | —36.6 | —26.2 | —43.6 | 4 | —43.1 |
| 200 ... ... ... ... | 20 | 12308 | 12460 | 12079 | 20 | —53.3 | —50.8 | —57.8 | — | — |
| 150 ... ... ... ... | 20 | 14129 | 14277 | 13913 | 20 | —61.7 | —51.0 | —67.7 | — | — |
| 100 ... ... ... ... | 18 | 16572 | 16719 | 16403 | 18 | —69.9 | —58.2 | —78.8 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 0000 U.T. — APRIL 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000–360)° | Speed in knots |
| Aleppo (A) | 3272 (23) | 685 (23) | —13·6 (23) | 4200 | — | — | 2365 | — | — | 12266 (16) | 193 (16) | —58.3 (16) | 13415 | — | — | 10535 | — | — | — | — | — | — |
| Marsa Matruh (A) | 3313 (23) | 651 (23) | —7.8 (12) | 4310 | 603 | —10.5 | 1820 | 814 | —0.8 | 11000 (2) | 229 (2) | —54·7 (2) | 11100 | 224 | —55·5 | 10900 | 23·5 | —53·9 | 13000 | — | 230 | 136 |
| Cairo (A) | 3675 (27) | 654 (27) | —11·6 (12) | 4460 | 594 | — | 1770 | 821 | —6.5 | 12867 (7) | 261 (7) | —55.7 (7) | 13170 | 165 | —64.8 | 9220 | 298 | —47.4 | 11200 | 232 | 270 | 135 |
| Aswan | 4370 (19) | 601 (19) | —11·1 (3) | 4850 | 570 | —12·3 | 3960 | 628 | — | 14670 (3) | 142 (3) | —69.0 (3) | 14740 | 129 | —68.5 | 14080 | 149 | —69.5 | 14000 | 151 | 280 | 130 |

N = Total number of observations.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE ; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 1200 U.T. — APRIL 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | pressure mb. | Temp. °C | Height gpm. | pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A)... ... ... ... ... ... ... | 3300 (30) | 681 (30) | —14.2 (30) | 4425 | — | — | 1970 | — | — | 11583 (21) | 215 (21) | —57.0 (21) | 13500 | — | — | 9340 | — | — | 12034 | 200 | 271 | 112 |
| Mersa Matruh (A)... ... ... ... ... ... ... | 3609 (26) | 657 (26) | —10.6 (9) | 4670 | 581 | —12.5 | 2670 | 734 | —14.2 | 10537 (3) | 247 (3) | —52.5 (3) | 11540 | 212 | —55.9 | 9920 | 270 | —45.0 | 10200 | 388 | 300 | 112 |
| Cairo (A)... ... ... ... ... ... ... | 2704 (29) | 647 (29) | —10.0 (10) | 5200 | 546 | — | 2280 | 762 | —1.2 | 12542 (9) | 193 (9) | —57.0 (9) | 16520 | 100 | —63.8 | 10450 | 250 | —53.4 | 8000 | — | 230 | 140 |
| Aswan ... ... ... ... ... ... ... ... ... | 4488 (20) | 588 (20) | —12.4 (4) | 5030 | 556 | — | 3450 | 632 | — | 15865 (16) | 115 (16) | —69·6 (16) | 18160 | 76 | —70.9 | 13360 | 169 | —56.7 | 12700 | 185 | 290 | 130 |

N = Total number of observations.

TABLE B 3—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

**ALEPPO (A) — 0000 U.T. — APRIL 1959.**

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 1 | 12 | 0 | — | 2 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 8 | 4 | 8 | 4 | 6 | 1 | 8 | 6 | 23 | 6 |
| 1000... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850... ... | 1 | 4 | 0 | — | 0 | — | 1 | 4 | 0 | — | 0 | — | 2 | 8 | 1 | 40 | 3 | 26 | 3 | 24 | 3 | 10 | 1 | 8 | 0 | 15 | 17 |
| 700... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 30 | 3 | 22 | 5 | 24 | 2 | 24 | 1 | 6 | 0 | 15 | 24 |
| 600... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 42 | 3 | 34 | 1 | 36 | 1 | 10 | 0 | — | 0 | 8 | 34 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 30 | 0 | — | 1 | 24 | 0 | — | 0 | — | 0 | 2 | 26 |
| 400... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 300... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 200... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 150... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## ALEPPO (A) — 1200 U.T. — APRIL 1959.

| Pressure Surface (mb.) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations N | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 0 | — | 0 | — | 1 | 12 | 5 | 10 | 1 | 18 | 1 | 4 | 1 | 8 | 0 | — | 5 | 16 | 4 | 16 | 1 | 12 | 2 | 10 | 4 | 25 | 11 |
| 1000 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 | 0 | — | 0 | — | 0 | — | 4 | 6 | 5 | 12 | 0 | — | 0 | — | 6 | 12 | 6 | 14 | 5 | 16 | 1 | 20 | 0 | — | 0 | 27 | 13 |
| 700 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 22 | 2 | 14 | 3 | 24 | 10 | 26 | 4 | 20 | 1 | 14 | 1 | 4 | 0 | 23 | 22 |
| 600 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 8 | 1 | 20 | 6 | 40 | 11 | 30 | 1 | 32 | 1 | 24 | 0 | — | 0 | 21 | 32 |
| 500 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 41 | 10 | 36 | 4 | 36 | 1 | 34 | 0 | — | 0 | 21 | 38 |
| 400 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 50 | 7 | 34 | 4 | 48 | 1 | 42 | 0 | — | 0 | 16 | 43 |
| 300 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 42 | 5 | 50 | 3 | 56 | 2 | 78 | 0 | — | 0 | 11 | 56 |
| 200 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 48 | 2 | 52 | 3 | 100 | 0 | — | 1 | 98 | 0 | 7 | 79 |
| 150 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

**TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES**

**MERSA MATRUH (A) — 0000 U.T. — APRIL 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 1 | 5 | 1 | 14 | 2 | 12 | 5 | 11 | 2 | 7 | 0 | — | 1 | 7 | 0 | — | 0 | — | 4 | 9 | 3 | 9 | 3 | 8 | 1 | 23 | 9 |
| 1000 ... ... | 1 | 12 | 2 | 8 | 1 | 18 | 7 | 10 | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 9 | 2 | 13 | 5 | 9 | 1 | 23 | 10 |
| 850 ... ... | 1 | 14 | 1 | 12 | 0 | — | 0 | — | 1 | 6 | 1 | 14 | 1 | 14 | 3 | 11 | 1 | 19 | 5 | 16 | 5 | 13 | 3 | 18 | 0 | 22 | 14 |
| 700 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 39 | 7 | 28 | 5 | 24 | 5 | 20 | 3 | 16 | 0 | 23 | 25 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 34 | 8 | 46 | 8 | 23 | 5 | 23 | 0 | — | 0 | 23 | 32 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 45 | 6 | 46 | 13 | 35 | 3 | 26 | 0 | — | 0 | 23 | 37 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 56 | 5 | 47 | 8 | 51 | 6 | 31 | 1 | 38 | 0 | 22 | 45 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 53 | 7 | 50 | 5 | 44 | 0 | — | 0 | 13 | 48 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 31 | 1 | 36 | 0 | — | 0 | 2 | 34 |
| 150 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## MERSA MATRUH (A) — 1200 U.T. — APRIL 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 3 | 8 | 2 | 10 | 7 | 15 | 2 | 17 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 15 | 7 | 17 | 0 | 26 | 14 |
| 1000 ... ... | 4 | 11 | 1 | 8 | 3 | 13 | 2 | 16 | 3 | 11 | 0 | — | 1 | 12 | 0 | — | 1 | 9 | 0 | — | 6 | 16 | 5 | 16 | 0 | 26 | 14 |
| 850 ... ... | 1 | 12 | 0 | — | 0 | — | 1 | 15 | 0 | — | 4 | 8 | 1 | 4 | 1 | 25 | 5 | 15 | 5 | 15 | 7 | 16 | 1 | 15 | 0 | 26 | 14 |
| 700 ... ... | 1 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 8 | 0 | — | 2 | 38 | 6 | 35 | 8 | 22 | 6 | 20 | 2 | 22 | 0 | 26 | 25 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 12 | 43 | 10 | 27 | 2 | 20 | 2 | 25 | 0 | 26 | 34 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 44 | 10 | 50 | 10 | 29 | 3 | 37 | 1 | 12 | 0 | 25 | 38 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 9 | 51 | 7 | 41 | 4 | 41 | 0 | — | 0 | 20 | 46 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 54 | 2 | 65 | 7 | 51 | 3 | 45 | 0 | — | 0 | 13 | 52 |
| 200 .. ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 57 | 3 | 58 | 0 | — | 0 | 5 | 57 |
| 150 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

**TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.**

**CAIRO (A)—0000 U.T.— APRIL 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360) ° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 1 | 3 | 5 | 9 | 7 | 8 | 2 | 6 | 2 | 13 | 0 | — | 2 | 5 | 2 | 4 | 0 | — | 1 | 7 | 1 | 15 | 0 | — | 4 | 27 | 7 |
| 1000... ... | 1 | 4 | 4 | 8 | 9 | 11 | 4 | 11 | 1 | 14 | 0 | — | 0 | — | 2 | 6 | 0 | — | 1 | 8 | 2 | 10 | 2 | 5 | 1 | 27 | 9 |
| 850... ... | 4 | 16 | 2 | 12 | 0 | — | 0 | — | 0 | — | 1 | 6 | 1 | 3 | 1 | 31 | 3 | 18 | 6 | 20 | 5 | 15 | 4 | 15 | 0 | 27 | 16 |
| 700... ... | 1 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 10 | 3 | 23 | 8 | 29 | 10 | 19 | 1 | 26 | 3 | 14 | 0 | 27 | 22 |
| 600... ... | 1 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 13 | 12 | 35 | 9 | 24 | 3 | 18 | 1 | 38 | 0 | 27 | 28 |
| 500... ... | 1 | 19 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 19 | 12 | 35 | 9 | 38 | 3 | 24 | 0 | — | 0 | 26 | 33 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 25 | 11 | 38 | 6 | 46 | 4 | 40 | 0 | — | 0 | 23 | 39 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 40 | 3 | 48 | 12 | 46 | 1 | 58 | 0 | — | 0 | 18 | 46 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 72 | 0 | — | 0 | — | 0 | 5 | 72 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 65 | 2 | 74 | 0 | — | 0 | — | — | 3 | 71 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 .. ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 .. ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 . ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

## CAIRO (A) — 1200 U.T. — APRIL 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | | | |
| Surface ... | 3 | 8 | 5 | 14 | 4 | 12 | 0 | — | 0 | — | 1 | 4 | 0 | — | 2 | 10 | 1 | 15 | 6 | 9 | 4 | 8 | 3 | 6 | 0 | 29 | 9 |
| 1000 ... ... | 1 | 7 | 8 | 13 | 2 | 30 | 0 | — | 0 | — | 1 | 4 | 0 | — | 1 | 10 | 2 | 10 | 2 | 6 | 4 | 8 | 6 | 8 | 0 | 27 | 10 |
| 850 ... .. | 3 | 9 | 4 | 11 | 1 | 12 | 0 | — | 1 | 10 | 0 | — | 0 | — | 4 | 12 | 2 | 29 | 2 | 12 | 4 | 11 | 7 | 11 | 0 | 28 | 12 |
| 700 ... ... | 2 | 9 | 0 | — | 0 | — | 0 | — | 1 | 6 | 0 | — | 0 | — | 0 | — | 8 | 30 | 8 | 20 | 7 | 15 | 1 | 29 | 1 | 28 | 20 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 22 | 7 | 38 | 12 | 22 | 6 | 24 | 1 | 29 | 0 | 29 | 27 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 30 | 10 | 40 | 10 | 31 | 6 | 28 | 1 | 36 | 0 | 28 | 34 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 9 | 56 | 14 | 40 | 2 | 44 | 1 | 48 | 0 | 26 | 46 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 8 | 42 | 7 | 60 | 3 | 40 | 1 | 43 | 0 | 19 | 43 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 85 | 3 | 72 | — | — | 0 | — | 0 | 6 | 79 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 94 | 2 | 86 | — | — | 0 | — | 0 | 4 | 90 |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 .. ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

**TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES**

**ASWAN — 0000 U.T. — APRIL 1959.**

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 9 | 7 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 12 | 0 | — | 11 | 21 | 4 |
| 1000... ... | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 2 | 2 |
| 850... ... | 4 | 12 | 3 | 8 | 4 | 15 | 1 | 9 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 4 | 0 | — | 6 | 11 | 2 | 6 | 0 | 21 | 10 |
| 700... ... | 1 | 2 | 1 | 9 | 2 | 4 | 0 | — | 2 | 9 | 0 | — | 0 | — | 2 | 11 | 3 | 12 | 5 | 17 | 3 | 17 | 2 | 13 | 0 | 21 | 12 |
| 600... ... | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 12 | 0 | — | 0 | — | 3 | 10 | 5 | 21 | 7 | 19 | 4 | 18 | 1 | 19 | 0 | 21 | 17 |
| 500... ... | 0 | — | 0 | — | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 36 | 11 | 28 | 4 | 25 | — | — | 0 | 21 | 28 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 60 | 12 | 40 | 5 | 36 | 2 | 30 | 0 | 21 | 40 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 71 | 11 | 48 | 6 | 47 | 1 | 50 | 0 | 20 | 50 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 15 | 67 | 3 | 69 | 1 | 71 | 0 | 19 | 68 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 8 | 75 | 3 | 80 | 0 | — | 0 | 11 | 77 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### ASWAN–1200 U.T. — APRIL 1959

| Pressure surface millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 10 | 7 | 1 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 7 | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 6 | 5 | 20 | 5 |
| 1000... ... | 2 | 7 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 9 | 0 | 3 | 8 |
| 850... ... | 3 | 13 | 2 | 6 | 2 | 10 | 3 | 9 | 0 | — | 0 | — | 1 | 7 | 1 | 6 | 0 | — | 1 | 17 | 2 | 7 | 5 | 10 | 0 | 20 | 10 |
| 700... ... | 1 | 13 | 0 | — | 0 | — | 0 | — | 1 | 4 | 2 | 5 | 2 | 10 | 2 | 10 | 2 | 15 | 6 | 17 | 1 | 19 | 3 | 10 | 0 | 20 | 12 |
| 600... ... | 1 | 16 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 10 | 1 | 9 | 2 | 9 | 3 | 21 | 10 | 27 | 1 | 10 | 1 | 6 | 0 | 20 | 20 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 19 | 7 | 23 | 8 | 31 | 2 | 20 | 2 | 14 | 0 | 20 | 27 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 37 | 12 | 40 | 6 | 30 | 0 | — | 0 | 20 | 33 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 44 | 14 | 57 | 5 | 53 | 0 | — | 0 | 20 | 55 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 94 | 13 | 70 | 6 | 60 | 0 | — | 0 | 20 | 69 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 11 | 72 | 2 | 63 | 1 | 21 | 0 | 14 | 67 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | 0 | — | 0 | — | 0 | — | 2 | 74 | 4 | 44 | 3 | 55 | 0 | — | — | 9 | 54 |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

## APRIL 1959

This month was changeable in general as compared with the normal temperature values for April. The mean air temperature at 2 metres above ground was slightly above normal (+ 0.5°C), the mean relative humidity was slightly below normal (–3%) and the total rainfall (1.5 mms) was slightly above normal (+0.5 mms). Five short heat waves with varying intensity were experienced during the month, with peaks on the 2nd, 11*th*, 19*th*, 22*nd* and 27*th* respectively. The third heat wave was the most pronounced. On the 19*th* the maximum temperature and the minimum relative humidity values were the absolute values of this month.

This month was frost-free, same as last April, and the absolute minimum temperature at 5 cms. above grass was 1° C i.e. 0.5° C less than that of last April.

The extreme maximum soil temperature at 0.3 cms. in the dry field was higher than last year by 5.6° C. This difference decreased with the increase in depth down to 10 cms. while from 20 cms. downwards, the maximum temperatures were lower than the corresponding values of last April. The extreme minimum temperatures at different depths in the same field were invariably lower than those of April 1958.

For the month as a whole, the mean wind speed for the day at 2 metres above ground (2.4 m/s) was lower than the corresponding value (2.9 m/s) for last April. The total duration of bright sunshine was one hour less and the total (Solar + Sky) radiation was 700 gm. calories/cm$^2$ less, than the corresponding values of last April.

## TABLE C 1.—AIR TEMPERATURE AT 2 METRES ABOVE GROUND; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms. ABOVE GROUND ON DIFFERENT FIELDS

### GIZA — APRIL 1959

| Date | Air temperature (°C) | | | | | Duration in hours of air temperature above the following values | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Mean of the day | Night time mean | Day time mean | —5 °C | 0 °C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40°C | 45°C |
| 1 | 26.8 | 10.5 | 18.2 | 17 | 22 | 24 | 24 | 24 | 24 | 20 | 10 | 4 | 0 | 0 | 0 | 0 |
| 2 | 33.5 | 12.3 | 22.0 | 16 | 25 | 24 | 24 | 24 | 24 | 16 | 14 | 12 | 5 | 0 | 0 | 0 |
| 3 | 23.9 | 17.8 | 19.7 | 23 | 21 | 24 | 24 | 24 | 24 | 24 | 13 | 0 | 0 | 0 | 0 | 0 |
| 4 | 24.1 | 15.1 | 18.4 | 18 | 20 | 24 | 24 | 24 | 24 | 24 | 8 | 0 | 0 | 0 | 0 | 0 |
| 5 | 23.8 | 10.7 | 16.1 | 17 | 19 | 24 | 24 | 24 | 24 | 15 | 6 | 0 | 0 | 0 | 0 | 0 |
| 6 | 23.0 | 9.2 | 15.8 | 12 | 18 | 24 | 24 | 24 | 22 | 16 | 6 | 0 | 0 | 0 | 0 | 0 |
| 7 | 26.0 | 7.4 | 17.1 | 14 | 21 | 24 | 24 | 24 | 20 | 16 | 11 | 0 | 0 | 0 | 0 | 0 |
| 8 | 29.8 | 9.6 | 18.9 | 17 | 24 | 24 | 24 | 24 | 24 | 18 | 12 | 8 | 0 | 0 | 0 | 0 |
| 9 | 28.3 | 13.3 | 19.3 | 17 | 23 | 24 | 24 | 24 | 24 | 18 | 10 | 5 | 0 | 0 | 0 | 0 |
| 10 | 29.3 | 11.7 | 19.7 | 16 | 23 | 24 | 24 | 24 | 24 | 17 | 12 | 6 | 0 | 0 | 0 | 0 |
| 11 | 30.6 | 9.8 | 19.8 | 17 | 24 | 24 | 24 | 24 | 24 | 17 | 13 | 8 | 0 | 0 | 0 | 0 |
| 12 | 26.6 | 14.2 | 18.3 | 18 | 21 | 24 | 24 | 24 | 24 | 19 | 9 | 2 | 0 | 0 | 0 | 0 |
| 13 | 23.8 | 11.4 | 16.8 | 16 | 19 | 24 | 24 | 24 | 24 | 14 | 7 | 0 | 0 | 0 | 0 | 0 |
| 14 | 23.7 | 10.3 | 16.2 | 14 | 19 | 24 | 24 | 24 | 24 | 13 | 6 | 0 | 0 | 0 | 0 | 0 |
| 15 | 26.6 | 8.3 | 17.5 | 12 | 20 | 24 | 24 | 24 | 19 | 16 | 10 | 0 | 0 | 0 | 0 | 0 |
| 16 | 27.5 | 11.3 | 19.6 | 18 | 23 | 24 | 24 | 24 | 24 | 20 | 12 | 6 | 0 | 0 | 0 | 0 |
| 17 | 28.8 | 9.8 | 19.4 | 17 | 23 | 24 | 24 | 24 | 24 | 20 | 13 | 7 | 0 | 0 | 0 | 0 |
| 18 | 34.5 | 10.6 | 21.8 | 17 | 27 | 24 | 24 | 24 | 24 | 17 | 15 | 9 | 5 | 0 | 0 | 0 |
| 19 | 39.6 | 11.6 | 24.1 | 18 | 31 | 24 | 24 | 24 | 24 | 18 | 16 | 11 | 8 | 6 | 0 | 0 |
| 20 | 29.0 | 15.4 | 20.9 | 20 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 7 | 0 | 0 | 0 | 0 |
| 21 | 31.7 | 13.8 | 21.6 | 19 | 25 | 24 | 24 | 24 | 24 | 23 | 14 | 8 | 1 | 0 | 0 | 0 |
| 22 | 39.0 | 14.0 | 25.3 | 19 | 31 | 24 | 24 | 24 | 24 | 21 | 16 | 13 | 9 | 7 | 0 | 0 |
| 23 | 31.1 | 16.4 | 21.9 | 23 | 25 | 24 | 24 | 24 | 24 | 24 | 15 | 8 | 0 | 0 | 0 | 0 |
| 24 | 27.7 | 14.4 | 19.8 | 19 | 22 | 24 | 24 | 24 | 24 | 23 | 11 | 4 | 0 | 0 | 0 | 0 |
| 25 | 25.7 | 12.4 | 18.6 | 17 | 21 | 24 | 24 | 24 | 24 | 20 | 10 | 0 | 0 | 0 | 0 | 0 |
| 26 | 29.0 | 13.0 | 19.9 | 16 | 23 | 24 | 24 | 24 | 24 | 18 | 11 | 5 | 0 | 0 | 0 | 0 |
| 27 | 36.3 | 12.3 | 22.9 | 17 | 28 | 24 | 24 | 24 | 24 | 20 | 15 | 10 | 6 | 1 | 0 | 0 |
| 28 | 28.3 | 16.0 | 20.7 | 21 | 23 | 24 | 24 | 24 | 24 | 24 | 12 | 5 | 0 | 0 | 0 | 0 |
| 29 | 28.5 | 16.2 | 21.0 | 18 | 24 | 24 | 24 | 24 | 24 | 24 | 12 | 7 | 0 | 0 | 0 | 0 |
| 30 | 26.5 | 14·3 | 19.3 | 18 | 22 | 24 | 24 | 24 | 24 | 23 | 10 | 1 | 0 | 0 | 0 | 0 |
| TOTAL | — | — | — | — | — | 720 | 720 | 720 | 709 | 582 | 342 | 146 | 34 | 14 | 0 | 0 |
| Mean | 28.8 | 12.4 | 19.7 | 17.4 | 23.0 | 24 | 24 | 24 | 23.6 | 19.4 | 11.4 | 4.9 | 1.1 | 0.5 | 0 | 0 |

Highest maximum at 2 metres 39.6 °C on 19 th. Highest minimum at 2 metres 17.8 °C on 3 rd.
Lowest ,, ,, ,, 23.0 °C on 6 th. Lowest ,, ,, ,, 7.4 °C on 7 th.
Absolute minimum temperature at 5 cms. above dry soil 2.6 °C on 7 th.
,, ,, ,, ,, ,, wet soil 4.2 °C on 7 th.
,, ,, ,, ,, ,, grass 1.0 °C on 15 th.

## TABLE C 2.—WIND SPEED, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, (SOLAR + SKY) RADIATION, SUNSHINE DURATION, EVAPORATION AND RAINFALL

### GIZA — APRIL 1959.

| Date | Wind speed metres per second | | | Solar + sky radiation gm. cal./cm² | Duration of bright sunshine in hours | | | Relative humidity hours of duration | | Relative humidity % | | Vapour pressure in millimetres | | Evaporation in millimetres | | Amount of rainfall in millimetres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean of the day | Night time mean | Day time mean | | Total actual | Total possible | Percentage % | >10 % | >80 % | Mean of the day | at 1200 U.T. | Mean of the Day | at 1200 U.T. | Piche | Pan class (A) | |
| 1 | 2.7 | 2.4 | 3.1 | 547 | 11.0 | 12.5 | 88 | 1 | 4 | 63 | 28 | 8.9 | 6.9 | 13.4 | 7.90 | 0 |
| 2 | 2.4 | 2.9 | 1.7 | 497 | 9.0 | 12.5 | 72 | 0 | 8 | 54 | 15 | 8.2 | 5.3 | 14.7 | 8.13 | 0 |
| 3 | 1.4 | 1.0 | 2.0 | 262 | 1.1 | 12.5 | 9 | 0 | 0 | 65 | 47 | 10.3 | 9.6 | 9.1 | 6.46 | 1.0 |
| 4 | 2.5 | 2.5 | 2.5 | 404 | 6.9 | 12.6 | 55 | 1 | 7 | 74 | 39 | 10.0 | 8.0 | 8.4 | 5.85 | 0.5 |
| 5 | 2.8 | 1.8 | 4.3 | 560 | 11.0 | 12.6 | 87 | 1 | 4 | 69 | 43 | 9.1 | 9.0 | 9.3 | 7.41 | 0 |
| 6 | 2.0 | 1.3 | 3.1 | 558 | 11·2 | 12.6 | 89 | 0 | 2 | 58 | 38 | 7.7 | 7.2 | 9.6 | 7.07 | 0 |
| 7 | 1.3 | 0.7 | 2.1 | 531 | 10.8 | 12.6 | 86 | 3 | 7 | 57 | 34 | 8.3 | 7.9 | 11.7 | 7.14 | 0 |
| 8 | 2.5 | 1.5 | 3.9 | 567 | 10.0 | 12.7 | 79 | 0 | 2 | 55 | 17 | 7.5 | 5.3 | 18.4 | 10.64 | 0 |
| 9 | 4.0 | 3.5 | 4.7 | 601 | 11.5 | 12.7 | 91 | 0 | 7 | 68 | 28 | 9.6 | 7.5 | 15.8 | 11.62 | 0 |
| 10 | 2.5 | 2.4 | 2.5 | 570 | 11.3 | 12.7 | 89 | 5 | 8 | 60 | 32 | 9.4 | 8.9 | 10.7 | 8.48 | 0 |
| 11 | 1.4 | 0.9 | 2.1 | 588 | 10.7 | 12.8 | 84 | 0 | 7 | 60 | 19 | 8.9 | 6.0 | 12.5 | 8.27 | 0 |
| 12 | 2.1 | 1.7 | 2.7 | 593 | 10.0 | 12.8 | 78 | 0 | 6 | 66 | 38 | 9.3 | 8.9 | 10.0 | 8.20 | 0 |
| 13 | 2.0 | 1.4 | 2.8 | 530 | 10.6 | 12.8 | 83 | 0 | 6 | 66 | 38 | 8.7 | 7.5 | 9.8 | 7.24 | 0 |
| 14 | 2.4 | 1.5 | 3.8 | 537 | 11 3 | 12.8 | 88 | 0 | 4 | 59 | 33 | 7.6 | 6.6 | 10.3 | 6.98 | 0 |
| 15 | 1.2 | 0.7 | 1.9 | 521 | 7.6 | 12.9 | 59 | 0 | 6 | 48 | 24 | 6.8 | 5.8 | 13.7 | 7.61 | 0 |
| 16 | 2.7 | 1.8 | 4.0 | 582 | 10.9 | 12.9 | 84 | 0 | 0 | 45 | 26 | 7.6 | 6.7 | 16.8 | 10.12 | 0 |
| 17 | 2.4 | 2.1 | 2.8 | 585 | 11.6 | 12.9 | 90 | 2 | 6 | 50 | 20 | 7.2 | 5.5 | 16.6 | 10.20 | 0 |
| 18 | 1.1 | 1.1 | 1.1 | 582 | 12.0 | 13.0 | 92 | 0 | 0 | 37 | 15 | 6.6 | 5.5 | 11.3 | 6.16 | 0 |
| 19 | 1.2 | 0.3 | 2.4 | 590 | 11.0 | 13.0 | 85 | 0 | 0 | 39 | 8 | 7.0 | 4.1 | 18.1 | 8.73 | 0 |
| 20 | 3.1 | 2.5 | 3.8 | 579 | 10.5 | 13.0 | 81 | 0 | 8 | 60 | 38 | 10.5 | 10.6 | 15.4 | 10.79 | 0 |
| 21 | 4.0 | 3.2 | 5.1 | 576 | 11·0 | 13.0 | 85 | 0 | 2 | 54 | 24 | 9.3 | 8.2 | 20·7 | 11.40 | 0 |
| 22 | 2.4 | 2.1 | 2.7 | 440 | 6.2 | 13.1 | 47 | 0 | 1 | 39 | 17 | 8.2 | 8.1 | 18.8 | 10.32 | 0 |
| 23 | 2.0 | 1.7 | 2.4 | 530 | 11.1 | 13.1 | 85 | 0 | 5 | 62 | 33 | 10.8 | 9.8 | 13.2 | 8.85 | 0 |
| 24 | 2.7 | 2.1 | 3.5 | 588 | 10.7 | 13.1 | 82 | 4 | 8 | 65 | 33 | 10.0 | 8.6 | 13.7 | 10.56 | 0 |
| 25 | 3.2 | 2.6 | 4.1 | 634 | 12.1 | 13.2 | 92 | 0 | 3 | 57 | 37 | 8.9 | 8.6 | 14.7 | 10.42 | 0 |
| 26 | 4.0 | 3.3 | 5.0 | 635 | 12.1 | 13.2 | 92 | 0 | 4 | 54 | 25 | 8.3 | 7.0 | 16·8 | 10.48 | 0 |
| 27 | 3.4 | 2.6 | 4.6 | 594 | 9.8 | 13.2 | 74 | 3 | 8 | 59 | 15 | 9.8 | 6.4 | 20.5 | 13.43 | 0 |
| 28 | 2.0 | 1.7 | 2.3 | 599 | 11.5 | 13.2 | 87 | 0 | 5 | 60 | 40 | 10.4 | 10.2 | 11.8 | 9.00 | 0 |
| 29 | 2.6 | 2.7 | 2.6 | 587 | 11.2 | 13.3 | 84 | 0 | 0 | 66 | 35 | 10.9 | 9.5 | 12.8 | 10.40 | 0 |
| 30 | 2.9 | 2.5 | 3.4 | 607 | 11.4 | 13.3 | 86 | 0 | 7 | 59 | 36 | 9.2 | 8.8 | 13.7 | 10.04 | 0 |
| Total ... | — | — | — | 16574 | 307.1 | 386.6 | 2383 | 20 | 135 | — | — | — | — | 412.3 | 269.90 | 1.5 |
| Mean... | 2.4 | 2.0 | 3.1 | 552.5 | 10.2 | 12.9 | 79 | 0·7 | 4.5 | 58 | 29 | 8.8 | 7.6 | 13.7 | 9.00 | 0.05 |

Maximum amount of rainfall in one day ..... ..... 1·0 mms. on 3rd.
Lowest value of relative humidity ..... ..... 8 % on 6th.
Highest „ „ vapour pressure ..... ..... 12.4 mms. on 24th.
Lowest „ „ „ „ ..... ..... 4.1 mms. on 19th.

## TABLE C 3.—EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

### GIZA — APRIL 1959

| Depth in cms. | Dry soil | | Wet soil | | Grass | |
|---|---|---|---|---|---|---|
| | Highest °C | Lowest °C | Highest °C | Lowest °C | Highest °C | Lowest °C |
| 0.3 | 61.6 | 8.0 | 33.4 | 7.8 | 29.5 | 11.3 |
| 1 | 58.2 | 9.0 | 32.5 | 8.9 | — | — |
| 2 | 48.3 | 10.6 | 31.9 | 9.0 | — | — |
| 5 | 40.2 | 15.7 | 27.9 | 10.8 | 24.7 | 13.3 |
| 10 | 31.4 | 19.9 | 25.4 | 14.1 | 23.5 | 14.1 |
| 20 | 26.0 | 19.8 | 22.7 | 16.8 | 22.7 | 16.5 |
| 50 | 26.1 | 21.9 | 20.5 | 17.6 | 21.5 | 17.6 |
| 100 | 24.2 | 21.1 | 19.3 | 17.1 | 20.2 | 17.3 |
| 200 | 22.8 | 21.8 | 18·7 | 17.7 | — | — |
| 300 | 22.8 | 22.8 | — | — | — | — |

## TABLE C 4.—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES REACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

### GIZA — APRIL 1959

| | | | |
|---|---|---|---|
| 10 Knots or more ... | 23 Days | 30 Knots or more ... | 0 Days. |
| 15 „ „ ... | 4 „ | 35 „ „ ... | 0 „ |
| 20 „ „ ... | 1 „ | 40 „ „ ... | 0 „ |
| 25 „ „ ... | 0 „ | The highest gust 27 knots on 5th. | |

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# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 5

## MAY, 1959

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VOLUME 2 NUMBER 5

## MAY, 1959

MINISTRY OF WAR–METEOROLOGICAL DEPARTMENT
CAIRO–EGYPT

# CONTENTS


| | PAGE |
|---|---|
| General Summary of Weather Conditions ... ... ... ... ... ... ... .. | 263–266 |

**Surface Data**

| | |
|---|---|
| TABLE A 1.—Monthly Mean Values of Atmospheric Pressure, Air Temperature and Relative Humidity at Fixed Hours ... ... ... ... ... ... ... ... | 267,268 |
| " A 2.—Maximum and Minimum Air Temperatures (°C)... ... ... ... ... ... | 269,270 |
| " A 3.—Rainfall, Snow, Bright Sunshine, Cloudiness and Evaporation ... ... | 271,272 |
| " A 4.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... | 273 |
| " A 5.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... ... ... ... | 274–276 |
| " A 6.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours... ... ... | 277–308 |

**Upper Air Data**

| | |
|---|---|
| TABLE B 1.—Upper Air Climatological Data ... ... ... ... ... ... .. ... ... | 309–312 |
| " B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air ... ... ... ... ... ... | 313,314 |
| " B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. | 315–322 |

**Agro-Meteorological Data**

| | |
|---|---|
| Review of Agro-Meteorological Station at Giza ... ... ... ... ... | 323 |
| TABLE C 1.—Air Temperature at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5cms. above Ground on Different Fields ... ... ... | 324 |
| " C 2.—Wind Speed, Relative Humidity and Vapour Pressure at 2 Metres above the Ground, (Solar + Sky) Radiation, Sunshine Duration, Evaporation and Rainfall ... ... ... ... ... ... ... ... ... ... | 325 |
| " C 3.—Extreme Soil Temperatures at Different Depths in Different Fields ... | 326 |
| " C 4.—Number of Days of Surface Wind Speed at 10 Metres Reaching Specified Limits of Velocity for at Least 5 Minutes ... ... ... ... ... ... | 326 |


*Note.*—Refer to volume 2 number 1 for the list of stations appearing in the report and for explanatory notes on the tables.

# GENERAL SUMMARY OF WEATHER CONDITIONS

## MAY 1959

**NORTHERN REGION: Mild coastal areas, mostly hot inland areas; characterized by two short rainy periods.**

**SOUTHERN REGION: Hot and dry in general but mild in the north the 1st week. An excessive heat wave on the 31st.**

### THE MAIN FEATURES

#### NORTHERN REGION

—Three prevailing heat waves, the last of which was excessive.

—Subnormal rainfall over the Coastal district, considerably above normal over the NE district.

—Thundery activity accompanied by heavy showers and hail on the 17th and 18th.

—Occasional high frequency of dust and sand storms over El Gezeira district.

#### SOUTHERN REGION

—An excessive prevailing heat wave on the 31st.

—Slightly subnormal rainfall.

—Oscillatory subnormal atmospheric pressure. Three desert Khamsin disturbances. Two northward elongations of the Sudanese trough.

### GENERAL DESCRIPTION OF WEATHER

#### NORTHERN REGION

The prevailing weather during the month was generally mild over the Coastal district, hot and characterized by three prevailing heat waves over the inland districts. Two short, mild and rainy periods were experienced round the second week and the ends of the third and fourth weeks respectively.

The monthly district station ground barometric pressure was generally below its normal over all districts of the Region and its deviation below normal did not exceed 1.0 mb.

The monthly district relative humidity was almost slightly below normal with the exception of the Coastal and the North Eastern districts where it slightly exceeded its normal.

The monthly district maximum temperature was slightly below normal over the Coastal, El Gezeira and the North Eastern districts, and slightly above normal over the Western Inland and the Desert districts. The monthly district minimum temperature was slightly above normal in all districts excluding the Coastal district where it was slightly below normal.

The monthly district rainfall was below normal in the Coastal and Desert districts (– 8.0 and – 3.4 mms.) respectively but was above normal in the Western Inland, El Gezeira and North Eastern districts ( + 2.4, + 1.6 and + 71.1 mms.) respectively.

The mean daily relative humidity for the month was 75% at Jableh, 42% at Aleppo, 35% at Damascus, 54% at Homs, 36% at Deir Ezzor and 52% at Qamishlie.

#### SOUTHERN REGION

The prevailing weather was hot and dry in general, though it was mild most of the 1st week in the northern districts of the Region. Two excessive heat waves showed prevalence over the whole Region within the period (10th – 31st) while a third heat wave was experienced within the period (1st – 9th) in the southern districts. The third heat wave, the most excessive, reached its maximum temperature climax on the 31st.

The monthly district station ground barometric pressure was slightly below normal in all districts. Departures of pressure did not exceed 2 mbs.

The monthly district relative humidity was also below normal over all districts and its departure below normal did not exceed 10%.

The monthly district maximum temperature was slightly above normal in the Upper Egypt, Western Desert and Red Sea districts and slightly below normal in the Mediterranean, Lower Egypt and Cairo Area districts. The monthly district minimum temperature was slightly above normal in Lower Egypt, Cairo Area and Upper Egypt districts and slightly below normal elsewhere.

The monthly district rainfall was slightly below normal in all districts.

The mean daily relative humidity for the month was 65% at Mersa Matruh, 67% at Alexandria, 68% at Port Said, 45% at Tanta, 49% at Cairo, 44% at Almaza, 38% at Minya, 24% at Asyout, 23% at Luxor, 31% at Siwa and 40% at Suez.

## PRESSURE DISTRIBUTION

This month started with a deep low pressure system over North Europe extending southwards till latitude 30° N and reflected aloft through the upper levels (more than 500 mb. level), a complex monsoon over Iraq, Arabia and Sudan, the Siberian anticyclone NE the Caspian Sea and the Atlantic anticyclone over West Europe and NW Mediterranean. The deep northern low pressure system proceeded NE wards, while the complex monsoon low showed a NW elongation through East Mediterranean where the barometric pressure fell appreciably within the period (1st – 4th).

The deep northern low pressure system attained the Black Sea on the 4th where it was more or less stationary till the 9th. During this period the complex monsoon accordingly showed a second considerable NW extension through East Mediterranean and Middle East where a second oscillation in the barometric pressure was observed. Also High pressure established over N. Urasia and extended southwards through the middle latitudes towards Lybia, while secondary depressions tended to form over NW Africa at the SE trough of Atlantic low pressure systems which showed marked reflection aloft.

Between the 11th and 21st, scattered shallow depressions developed over the Mediterranean and the Middle East region and were reflected aloft in an enlarged closed centre over Greece and Balkans while advection of warm air from south latitudes started on a large scale over the Western Desert and North Arabia, where cyclogenesis showed a marked high frequency. Accrodingly shallow thermal disturbances appeared over the Western Desert during the periods (11th – 15th), 18th and (20th – 21st) and the barometric pressure over Egypt in particular and East Mediterranean in general experienced three more oscillations below normal. During this period secondary depressions over NW Africa were stationary and showed no marked reflection aloft.

On the 23rd shallow scattered depressions developed over South Europe and Asia Minor and were associated in the upper levels with an enlarged upper low north latitude 40° N. These shallow depressions filled rapidly and on the 25th, they were replaced by a rapid established high pressure ridge.

On the other hand the upper low north latitude 40° N. showed marked persistance till the end of the month though it was tilted NE wards from N. Russia towards NW Mediterranean. On the 27th and 28th, warm air readvected over the Western Desert and North Arabia and a thermal Khamsin disturbance traversed Egypt eastwards causing a subnormal pressure fall.

On the 29th, a secondary depression over Central Mediterranean of considerable vertical structure proceeded rapidly eastwards and skirted the north Egyptian Coast on the 31st.

## SURFACE WIND

### NORTHERN REGION

The prevailing winds were southwesterly over the Coastal district, westerly over the Western Inland, the Desert & El Gezeira districts, and N/NW ly over the North Eastern district. Winds were light to moderate round the periods (1st – 16th) & (22nd – 23rd), moderate to fresh round periods (19th – 20th) & (24th – 31st) and fresh to strong during the 18th & 19th.

Galesw ere reported at Damascus on the 18th & 30th; Aleppo on the 28th & 31 st; Kharabo on the 17th & 19th; Salamiyie on the 9th & 31st; and Meselmiyie on the 17th, 18th, 19th, (25th – 28th), 30th & 31st.

**SOUTHERN REGION**

The prevailing winds over the northern parts of the Region were E/NE in advance of the Khamsin disturbances, N/NW in their rear. Winds were light/moderate in general though low frequency of occurrence of fresh/strong winds was reported over the northern coastal strip, Western Desert and the Red Sea districts. The prevailing winds over the southern parts were light/moderate N/NW in general during the day time intervals, calms otherwise.

Gales were reported at Siwa on the 14th and at Hurghada on the 8th, 18th and 29th.

## TEMPERATURE

A survey of maximum and minimum temperatures during this month over a satisfactory selection of stations in the Republic indicated three prevailing heat waves over the far inland districts within the 1st week, the 2nd week and the last third of the month respectively. Over the Coastal district of the Northern Region Maximum and Minimum temperatures oscillated slightly below normal and no heat waves were practically detectable, though two distorted heat waves were obviously characterized over the Mediterranean and Lower Egypt districts of the Southern Region during the 2nd and last thirds of the month respectively. The third heat wave was the excessive over both Regions.

The prevailing heat waves of this month were generally separated by short mild periods, during which temperature in general was below normal, yet it was appreciably below normal over far inland districts.

The absolute maximum temperature for the Northern Region, was 40.2° C reported at El Himmeh (below sea level) on the 24th, while the corresponding value for the Southern Region was 47.3° C reported at Aswan an the 28th.

The absolute minimum temperature for the Northern Region was 9.0°C reported at Zabadani (mountion station) on the 7th, while the corresponding value for the Southern Region was 8.8° C reported at Mersa Matruh on the 2nd.

## PRECIPITATION

**NORTHERN REGION**

The monthly fall was less than 10mms. but increased to 25 mms. over high ground of El Gezeira and the Desert districts, (5–20 mms.) over the Western Inland district, (30 – 100 mms.) over the North Eastern district and (10–80) mms. over the Coastal district.

Precipitation fell within the periods (8th – 13th) and (17th – 22nd) respectively.

The maximum rainfall in 24 hours was 59.5 mms. at Qadmous (mountain station of the Coastal district) on the 18th.

**SOUTHERN REGION**

This month was generally subnormal with respect to normal values of rainfall. Light rainfall was reported over the west part of the Mediterranean Coastal area and rarely extended inland.

The maximum monthly rainfall was 2.2 mms. reported at Sallum, while the maximum daily rainfall was 2.0 mms reported at Dabaa on the 15th.

## MISCELLANEOUS WEATHER PHENOMENA

**NORTHERN REGION**

**Hail** fell over Kharabo on the 4th and over Tell Tamer on the 10th & 11th.

**Thunderstorms** occurred at Jableh on the 18th; Damascus on the 17th; Hama on the 9th & 18th; Kharabo on the 17th; Deir Ezzor on the 10th & 17th; and at Qamishlie on the 10th, 11th, 13th and 18th.

**Sand or duststorms** blew over Aleppo on the 9th; Deir Ezzor on the 5th, 8th, 9th, 17th, 28th & 31st; and over Raqqa on the 19th, 20th & 31st.

**Lacal rising sand or dust** was reported at Palmyra on the 18th, 28th, & 31st; Deir Ezzor on the 12th, 18th, 21st, 28th & 31st; Raqqa on the 3rd, 19th, 28th & 31st; and at Qamishlie on the 17th.

TABLE A 1.—(*continued*)—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

MAY 1958

| District | Station | Height above M.S.L. (metre) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Southern Region** (*contd*). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... | 06 | 1012.0 | — | 1011.9 | —0.9 | 1011.6 | —0.4 | 1011.8 | —0.6 | 16.0 | — | 21.6 | —1.4 | 29.0 | +0.5 | 21.3 | +0.3 | 84 | — | 70 | + 8 | 37 | — 3 | 68 | — 1 |
| | Mansoura ... ... ... | 08 | 1011.1 | — | 1011.5 | —0.9 | 1010.4 | —1.0 | 1010.8 | —1.2 | 18.0 | — | 22.2 | —0.7 | 30.5 | +0.3 | 22.6 | +0.8 | 77 | — | 63 | 0 | 30 | — 2 | 58 | — 5 |
| | Tanta ... ... ... ... | 14 | 1010.2 | — | 1010.6 | —1.6 | 1009.5 | —1.3 | 1010.1 | —1.5 | 16.2 | — | 22.9 | +0.2 | 31.3 | +0.3 | 21.8 | —0.5 | 78 | — | 56 | — 7 | 26 | — 6 | 53 | — 7 |
| | Shebin el Kom ... | 12 | 1010.1 | — | 1011.0 | —0.6 | 1009.3 | —1.0 | 1009.7 | —1.2 | 18.1 | — | 22.1 | +0.2 | 30.1 | —0.9 | 23.6 | +0.1 | 82 | — | 73 | +10 | 35 | + 3 | 66 | +11 |
| | Zagazig ... ... ... | 12 | 1010.8 | — | 1011.2 | —0.6 | 1009.8 | —0.7 | 1010.7 | —0.7 | 18.2 | — | 21.6 | —1.9 | 30.8 | —0.3 | 23.7 | +1.1 | 80 | — | 66 | + 3 | 30 | — 3 | 53 | — 7 |
| | Zaher (A) ... | 30 | 1006.5 | — | 1007.3 | — | 1005.7 | — | 1006.3 | — | 18.4 | — | 22.4 | — | 31.6 | — | 24.3 | — | 67 | — | 54 | — | 17 | — | 40 | — |
| | Wadi el Natrun ... | — 1 | 1012.3 | — | 1012.9 | —1.0 | 1011.2 | —0.9 | 1011.9 | —1.2 | 18.5 | — | 22.5 | 0.0 | 32.0 | +0.3 | 24.5 | —0.3 | 69 | — | 57 | — 3 | 20 | — 6 | 41 | — 4 |
| | Abu Susir (A) ... | 14 | 1009.8 | — | 1010.6 | — | 1008.9 | — | 1009.8 | — | 19.0 | — | 23.3 | — | 32.1 | — | 24.3 | — | 72 | — | 57 | — | 21 | — | 47 | — |
| Cairo Area | Cairo (A) ... | 95 | 1000.0 | —1.3 | 1000.9 | —1.0 | 999.2 | —1.5 | 999.9 | —1.4 | 19.2 | —0.8 | 22.5 | —0.3 | 31.8 | +0.3 | 25.4 | —0.4 | 72 | +7 | 59 | + 3 | 25 | — 1 | 41 | — 3 |
| | Almaza (A) ... | 79 | 1001.6 | —1.1 | 1002.4 | —1.0 | 1000.8 | —1.4 | 1001.3 | —1.4 | 19.5 | —0.7 | 22.5 | —0.2 | 31.9 | +0.5 | 25.9 | —0.1 | 62 | 0 | 56 | + 1 | 23 | — 2 | 37 | — 2 |
| | Abbassiya (H.Q.) ... | 33 | 1007.2 | — | 1007.9 | — | 1006.2 | — | 1006.8 | — | 19.6 | — | 23.1 | — | 32.0 | — | 25.6 | — | 67 | — | 56 | — | 22 | — | 40 | — |
| | Mostafa Helmi (A) ... | 163 | 992.2 | — | 993.0 | — | 991.8 | — | 992.1 | — | 17.9 | — | 21.2 | — | 30.2 | — | 24.7 | — | 68 | — | 54 | — | 22 | — | 37 | — |
| | Giza ... ... ... ... | 21 | 1009.0 | — | 1009.6 | —1.6 | 1008.0 | —1.7 | 1008.3 | —2.2 | 19.1 | — | 22.3 | —0.2 | 31.5 | —0.4 | 25.7 | +0.6 | 77 | — | 56 | — 5 | 21 | — 5 | 36 | — 8 |
| | Helwan ... ... ... | 112 | — | — | 998.4 | —1.2 | 996.8 | —1.4 | 997.4 | —1.2 | — | — | 23.1 | +0.1 | 31.8 | +0.2 | 26.1 | —0.3 | — | — | 49 | 0 | 19 | 0 | 33 | + 1 |
| Upper Egypt | Fayoum ... ... ... | 30 | 1008.5 | — | 1008.9 | —0.5 | 1007.0 | —0.6 | 1006.7 | —1.0 | 19.3 | — | 24.0 | +0.2 | 33.1 | +0.5 | 27.0 | +0.7 | 71 | — | 52 | + 3 | 23 | + 2 | 35 | — 2 |
| | Beni Suef ... ... ... | 28 | 1006.9 | — | 1007.9 | —1.5 | 1006.3 | —1.4 | 1005.9 | —1.9 | 18.7 | — | 21.7 | —3.0 | 33.7 | 0.0 | 27.0 | —0.5 | 73 | — | 67 | —20 | 23 | + 3 | 38 | + 2 |
| | Minya (A) ... | 39 | 1004.4 | —1.9 | 1005.7 | —1.8 | 1004.3 | —1.6 | 1003.8 | —1.8 | 20.4 | +0.7 | 23.5 | +0.8 | 35.2 | +0.8 | 27.6 | +1.6 | 53 | 0 | 49 | + 1 | 17 | — 1 | 32 | — 4 |
| | Asyout (A) ... | 71 | 1000.1 | —2.4 | 1001.8 | —1.6 | 999.6 | —1.6 | 999.6 | —2.1 | 23.6 | +1.0 | 24.1 | —0.5 | 35.8 | +0.3 | 29.9 | +0.9 | 29 | —4 | 35 | 0 | 13 | + 1 | 20 | — 2 |
| | Nag Hammadi ... ... | 69 | 1000.4 | — | 1002.1 | —1.1 | 1000.2 | —1.0 | 999.7 | —1.3 | 22.1 | — | 25.5 | —1.3 | 37.0 | +1.4 | 28.8 | +0.7 | 60 | — | 47 | + 5 | 23 | + 2 | 38 | + 2 |
| | Qena ... ... ... ... | 73 | 998.9 | — | 1001.0 | —1.1 | 999.1 | —0.7 | 998.7 | —1.0 | 24.3 | — | 28.2 | 0.0 | 38.3 | +0.3 | 31.6 | +0.6 | 40 | — | 33 | + 1 | 15 | — 1 | 22 | — 2 |
| | Luxor (A) ... | 95 | 995.9 | —2.4 | 997.6 | —2.3 | 995.4 | —2.3 | 995.1 | —2.8 | 25.2 | +0.3 | 29.6 | —0.3 | 39.0 | +0.4 | 31.9 | —0.3 | 29 | 0 | 28 | 0 | 13 | — 2 | 23 | + 1 |
| | Aswan ... ... ... | 104 | 993.7 | — | 995.6 | —1.8 | 992.8 | —2.2 | 992.7 | —2.4 | 26.0 | — | 30.5 | +1.5 | 41.0 | +2.2 | 33.4 | —0.3 | 28 | — | 22 | — 4 | 10 | — 5 | 14 | — 3 |
| Western Desert | Siwa ... ... ... ... | —15 | 1013.1 | —1.7 | 1014.2 | —1.8 | 1012.6 | —1.8 | 1011.7 | —1.8 | 21.0 | +0.6 | 22.3 | +0.3 | 33.8 | +1.1 | 29.7 | +1.3 | 42 | 0 | 46 | 0 | 15 | — 3 | 22 | — 5 |
| | Bahariya ... ... ... | 128 | 996.1 | — | 997.2 | —1.6 | 995.3 | —1.6 | 994.8 | —2.2 | 19.9 | — | 22.0 | —1.7 | 33.8 | +0.6 | 28.7 | +1.3 | 47 | — | 45 | — 4 | 16 | —10 | 24 | —13 |
| | Farafra ... ... ... | 99 | 1002.0 | — | 1003.5 | —0.1 | 1001.3 | —0.9 | 1000.8 | —1.2 | 21.6 | — | 23.6 | —0.6 | 34.8 | +1.0 | 29.2 | +1.8 | 28 | — | 33 | — 7 | 12 | — 7 | 13 | —14 |
| | Dakhla ... ... ... | 110 | 996.9 | — | 998.6 | +0.6 | 996.6 | +0.6 | 996.0 | —0.1 | 23.0 | — | 26.8 | —0.5 | 37.1 | +1.0 | 30.6 | —0.7 | 24 | — | 25 | — 4 | 7 | — 9 | 13 | — 5 |
| | Kharga ... ... ... | 72 | 999.6 | — | 1001.3 | —2.2 | 999.7 | —2.3 | 999.4 | —2.3 | 24.5 | — | 28.0 | +0.4 | 37.7 | +1.0 | 29.8 | —0.6 | 22 | — | 27 | —11 | 13 | —14 | 17 | —12 |
| Red Sea | Suez ... ... ... ... | 05 | 1010.3 | — | 1011.1 | —1.0 | 1009.5 | —1.8 | 1010.1 | —1.3 | 20.4 | — | 23.7 | +0.4 | 31.7 | +0.9 | 25.9 | +0.8 | 59 | — | 51 | — 9 | 24 | —10 | 44 | — 6 |
| | Tor ... ... ... ... | 03 | 1007.1 | — | 1008.5 | —1.9 | 1007.1 | —2.2 | 1006.6 | —2.3 | 22.0 | — | 23.5 | —1.4 | 27.5 | —1.5 | 26.0 | —1.0 | 72 | — | 70 | + 2 | 54 | — 1 | 52 | — 6 |
| | Hurghada ... ... ... | 01 | 1007.6 | —1.2 | 1009.1 | —1.0 | 1007.2 | —1.6 | 1007.0 | —1.3 | 23.1 | +0.4 | 26.8 | +1.1 | 29.6 | +1.6 | 26.7 | —0.1 | 41 | —7 | 39 | —14 | 38 | —19 | 43 | — 9 |
| | Quseir ... ... ... | 08 | 1006.3 | — | 1007.8 | —1.5 | 1006.5 | —2.4 | 1006.2 | —2.1 | 25.0 | — | 27.7 | —0.2 | 28.8 | —0.1 | 26.6 | —0.1 | 38 | — | 40 | — 7 | 46 | —12 | 43 | —14 |

TABLE A 2.—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

## MAY 1959

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A+B)/2 | Maximum temperature: Highest | Date | Lowest | Date | Number of days with maximum temperature: >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Date | Lowest | Date | Number of days with minimum temperature: <10° | <5° | <0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh (A) | 22.9 | — 1.1 | 15.3 | — 0.9 | 19.1 | 25.6 | 25 | 20·3 | 1 | 3 | 0 | 0 | 0 | 0 | 20.3 | 31 | 12.1 | 2 | 0 | 0 | 0 | 0 |
| | Bouka | 24.9 | — | 15.4 | — | 20.2 | 30.0 | 25 | 21.0 | 7,18 | 16 | 0 | 0 | 0 | 0 | 20.0 | 31 | 11.5 | 1 | 0 | 0 | 0 | 0 |
| | Tartous | 25.6 | — | 15.7 | — | 20.7 | 32.5 | 24 | 20.0 | 6 | 14 | 3 | 0 | 0 | 0 | 20.0 | 2 | 11.5 | 1 | 0 | 0 | 0 | 0 |
| WESTERN INLAND | Damascus (A) | 29.4 | + 0.5 | 13.5 | + 1.3 | 21.5 | 35.0 | 25 | 20.5 | 18 | 27 | 14 | 0 | 0 | 0 | 22.0 | 16 | 4.4 | 1 | 7 | 1 | 0 | 0 |
| | Aleppo (A) | 29.6 | + 1.2 | 13.3 | + 1.3 | 21.5 | 34·7 | 25 | 22.0 | 18 | 29 | 16 | 0 | 0 | 0 | 18.2 | 17 | 9.3 | 7 | 1 | 0 | 0 | 0 |
| | Hama (A) | 30.2 | — | 14.2 | — | 22.2 | 35.5 | 24 | 20.2 | 18 | 28 | 19 | 1 | 0 | 0 | 20.5 | 31 | 9.0 | 7 | 2 | 0 | 0 | 0 |
| | Homs | 27.8 | + 1.3 | 12.5 | + 0.1 | 20.2 | 33.0 | * | 16.8 | 18 | 22 | 9 | 0 | 0 | 0 | 18.5 | 31 | 9.0 | 7 | 2 | 0 | 0 | 0 |
| | Kharabo | 29.5 | — | 9.8 | — | 19.7 | 34.7 | 25 | 19.4 | 18 | 28 | 14 | 0 | 0 | 0 | 17.8 | 17 | 2.5 | 1 | 15 | 5 | 0 | 0 |
| | Salamiyie | 29.2 | — | 11.3 | — | 20.3 | 34·0 | 25 | 19.0 | 18 | 26 | 14 | 0 | 0 | 0 | 18.0 | 31 | 6.0 | 2 | 9 | 0 | 0 | 0 |
| | Meselmiyie | 29.2 | — | 11.9 | — | 20.6 | 34.0 | 24 | 21.7 | 18 | 27 | 14 | 0 | 0 | 0 | 15·1 | 16 | 8.0 | 3 | 3 | 0 | 0 | 0 |
| | Fiq | 29.1 | — | 15.5 | — | 22.3 | 36.2 | 24 | 20.2 | 18 | 24 | 17 | 1 | 0 | 0 | 24.4 | 24 | 9.2 | 7 | 1 | 0 | 0 | 0 |
| | Tell Shihab | 29.8 | — | 11.8 | — | 20.8 | 37.0 | 24 | 21.0 | 18 | 24 | 17 | 2 | 0 | 0 | 18.4 | 29 | 5.5 | 7 | 10 | 0 | 0 | 0 |
| DESERT | Palmyra (A) | 30.6 | + 0.4 | 16.0 | + 0.5 | 23.3 | 36.2 | 25·26 | 22.4 | 18 | 29 | 18 | 3 | 0 | 0 | 20.0 | 17,29 | 10.8 | 1 | 0 | 0 | 0 | 0 |
| EL GEZEIRA | Deir Ezzor (A) | 30.9 | — 0.5 | 17.4 | + 0.9 | 24.2 | 37.8 | 25 | 25.3 | 18 | 31 | 18 | 4 | 0 | 0 | 23.1 | 17 | 13.7 | 10 | 0 | 0 | 0 | 0 |
| | Raqqa | 30.8 | — | 15.1 | — | 23.0 | 36.2 | 25 | 24.5 | 9 | 29 | 17 | 3 | 0 | 0 | 21.1 | 17 | 11.6 | 1·7·8 | 0 | 0 | 0 | 0 |
| NORTH EASTERN | Qamishlie (A) | 28.3 | — 1.7 | 15.8 | + 0.8 | 22.1 | 35.4 | 27 | 16.8 | 9 | 24 | 16 | 1 | 0 | 0 | 21.3 | 5 | 10.3 | 1 | 0 | 0 | 0 | 0 |
| | Tell Tamer | 29.3 | — | 14.0 | — | 21.7 | 35.0 | * | 19.0 | 19 | 25 | 15 | 0 | 0 | 0 | 19.0 | 5 | 10.0 | * | 0 | 0 | 0 | 0 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum | 25.9 | — 0.5 | 17.4 | + 1.2 | 21.6 | 43.2 | 31 | 20.0 | 5 | 15 | 5 | 3 | 2 | 0 | 24.3 | 31 | 12.8 | 2 | 0 | 0 | 0 | 0 |
| | Sidi Barrani | 24.7 | + 0.4 | 15.6 | + 0.1 | 20.2 | 43.4 | 31 | 19.6 | 5 | 8 | 3 | 2 | 1 | 0 | 22.3 | 31 | 9.2 | 1 | 1 | 0 | 0 | 0 |
| | Mersa Matruh (A) | 25.9 | + 0.6 | 14.6 | — 0.4 | 20.2 | 42.6 | 31 | 20.0 | 1 | 15 | 6 | 2 | 1 | 0 | 25.1 | 31 | 8.8 | 2 | 1 | 0 | 0 | 0 |
| | Dabaa | 25.0 | — 0.2 | 14.7 | — 0.3 | 19.8 | 41.2 | 31 | 20.0 | 1 | 9 | 2 | 1 | 1 | 0 | 19.0 | 28 | 9.5 | 3 | 1 | 0 | 0 | 0 |
| | Alexandria (A) | 27.1 | + 0.7 | 16.6 | 0.0 | 21.8 | 41.8 | 31 | 22.0 | 5 | 18 | 8 | 1 | 1 | 0 | 20.0 | 29 | 12.1 | 4 | 0 | 0 | 0 | 0 |
| | Dekheila (A) | 25.0 | — 0.4 | 17.3 | — 0.3 | 21.2 | 38.8 | 31 | 21.0 | 1 | 13 | 1 | 1 | 0 | 0 | 20.2 | 13 | 11.7 | 4 | 0 | 0 | 0 | 0 |
| | Damietta | 25.3 | — 1.9 | 17.3 | 0·0 | 21.3 | 34.5 | 31 | 20.7 | 1 | 17 | 2 | 0 | 0 | 0 | 20.7 | 28 | 13.7 | 8 | 0 | 0 | 0 | 0 |
| | Port Said (A) | 26.0 | + 0.4 | 19.6 | 0.0 | 22.8 | 30.5 | 31 | 22.5 | 7 | 20 | 1 | 0 | 0 | 0 | 22.4 | 13 | 16.8 | 1·8 | 0 | 0 | 0 | 0 |
| | El Arish | 26.3 | — 0.7 | 16.2 | + 0·1 | 21.2 | 32.3 | 28 | 23.0 | 2 | 20 | 4 | 0 | 0 | 0 | 20.2 | 13 | 13.3 | 8 | 0 | 0 | 0 | 0 |
| | Ghazza | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

* = More than three days

## TABLE A 2.—(*continued*)—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

### MAY 1959

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A + B) /2 | Maximum temperature: Highest | Date | Lowest | Date | Number of days with maximum temperature: >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Date | Lowest | Date | Number of days with minimum temperature: <10° | <5° | <0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour | 30.0 | — 0.2 | 15.4 | — 0.5 | 22.7 | 40.2 | 31 | 24.4 | 7·8 | 29 | 17 | 2 | 1 | 0 | 19.6 | 13 | 11.7 | 4 | 0 | 0 | 0 | 0 |
| | Mansoura | 31.1 | — 0.2 | 16.6 | + 0.6 | 23.8 | 39.0 | 31 | 25.5 | 1 | 31 | 18 | 4 | 0 | 0 | 20.0 | 13·16 | 14.0 | 1·4·20 | 0 | 0 | 0 | 0 |
| | Tanta | 32.1 | + 0.3 | 14.8 | + 0.3 | 23.4 | 40.4 | 31 | 26.2 | 8 | 31 | 21 | 7 | 1 | 0 | 18·6 | 16 | 10.4 | 1 | 0 | 0 | 0 | 0 |
| | Shebin el Kom | 31.2 | — 1.0 | 16.6 | + 0.7 | 23.9 | 38.4 | 31 | 25.6 | 1 | 31 | 19 | 4 | 0 | 0 | 21.1 | 13 | 11.4 | 8 | 0 | 0 | 0 | 0 |
| | Zagazig | 31.5 | — 0.5 | 16.2 | + 0.7 | 23.8 | 38.1 | 31 | 26.0 | 1 | 31 | 19 | 4 | 0 | 0 | 21.1 | 13 | 12.0 | 1 | 0 | 0 | 0 | 0 |
| | Zaher (A) | 32.5 | — | 16.6 | — | 24.6 | 39.5 | 28·31 | 27.1 | 1 | 31 | 21 | 6 | 0 | 0 | 21.8 | 13 | 12.3 | 1 | 0 | 0 | 0 | 0 |
| | Wadi el Natrun | 32.9 | 0.0 | 16.5 | + 0.1 | 24.7 | 42.0 | 31 | 26.4 | 8 | 31 | 22 | 8 | 1 | 0 | 22.5 | 13 | 13.1 | 1 | 0 | 0 | 0 | 0 |
| | Abu Sueir (A) | 32.4 | — | 16.5 | — | 24.4 | 39.5 | 28 | 25.2 | 1 | 31 | 23 | 8 | 0 | 0 | 21.7 | 13 | 12.5 | 1 | 0 | 0 | 0 | 0 |
| Cairo Area | Cairo (A) | 32.5 | — 0.2 | 17.2 | — 0.4 | 24.8 | 40.2 | 28 | 26.2 | 8 | 31 | 21 | 8 | 1 | 0 | 24.2 | 13 | 11.8 | 1 | 0 | 0 | 0 | 0 |
| | Almaza (A) | 32.6 | 0.0 | 17.5 | — 0.3 | 25.0 | 40.2 | 28 | 27.0 | 1·8 | 31 | 21 | 8 | 1 | 0 | 25.3 | 13 | 12.2 | 1 | 0 | 0 | 0 | 0 |
| | Abbasiya (H.Q) | 33.3 | — | 17.2 | — | 25.2 | 40.3 | 13 | 27.6 | 1·8 | 31 | 24 | 9 | 2 | 0 | 22.7 | 13 | 12.0 | 1 | 0 | 0 | 0 | 0 |
| | Mostafa Helmi (A) | 31.5 | — | 16.3 | — | 23.9 | 38.5 | 31 | 25.1 | 1 | 31 | 20 | 4 | 0 | 0 | 23.0 | 13 | 11.6 | 1 | 0 | 0 | 0 | 0 |
| | Giza | 32.6 | 0.0 | 16.5 | + 1.5 | 24.6 | 39.6 | 28 | 27.3 | 1 | 31 | 22 | 8 | 0 | 0 | 21.8 | 28 | 10.5 | 1 | 0 | 0 | 0 | 0 |
| | Helwan | 32.8 | — 0.1 | 17.8 | — 0.1 | 25.3 | 41.0 | 28 | 25.8 | 8 | 31 | 23 | 8 | 1 | 0 | 23.5 | 28 | 13.5 | 1 | 0 | 0 | 0 | 0 |
| Upper Egypt | Fayoum | 34.2 | + 0.5 | 17.5 | + 0.2 | 25.8 | 42.0 | 28 | 28.0 | 8 | 31 | 24 | 13 | 2 | 0 | 22.0 | 28 | 12.0 | 1 | 0 | 0 | 0 | 0 |
| | Beni Suef | 34.9 | + 0.9 | 16.2 | + 0.2 | 25.6 | 43.4 | 28 | 28.2 | 8 | 31 | 28 | 14 | 3 | 0 | 20.0 | 13 | 11.7 | 1 | 0 | 0 | 0 | 0 |
| | Minya (A) | 36.0 | + 0.6 | 17.5 | + 0.8 | 26.8 | 43.5 | 28 | 29·2 | 9 | 31 | 28 | 19 | 5 | 0 | 21.6 | 16 | 12.7 | 9 | 0 | 0 | 0 | 0 |
| | Asyout (A) | 37.0 | + 0.2 | 19.5 | — 0.1 | 28.2 | 44.8 | 28 | 28.3 | 8 | 31 | 29 | 21 | 9 | 0 | 26.0 | 14·16 | 13.5 | 1 | 0 | 0 | 0 | 0 |
| | Nag Hammadi | 38.5 | + 1.5 | 19.1 | + 0.4 | 28.8 | 44.6 | 28 | 30.3 | 8·9 | 31 | 31 | 27 | 10 | 0 | 26.1 | 16 | 14.6 | 2 | 0 | 0 | 0 | 0 |
| | Qena | 40.0 | + 0.8 | 21.3 | 0.0 | 30.6 | 45.0 | 28 | 33.3 | 8 | 31 | 31 | 29 | 16 | 0 | 27.3 | 16·27 | 16.6 | 10 | 0 | 0 | 0 | 0 |
| | Luxor (A) | 40.1 | + 0.3 | 21.4 | + 0.4 | 30.8 | 45.3 | 28 | 32.4 | 9 | 31 | 31 | 28 | 19 | 2 | 27.5 | 29 | 17.0 | 1 | 0 | 0 | 0 | 0 |
| | Aswan | 42.4 | + 2.3 | 22.6 | — 1.2 | 32.5 | 47.3 | 28 | 34.2 | 9 | 31 | 31 | 30 | 24 | 9 | 26.3 | 29 | 19.3 | 1 | 0 | 0 | 0 | 0 |
| Western Desert | Siwa | 35.0 | + 1.0 | 17.6 | + 0.4 | 26.3 | 43.3 | 31 | 27.8 | 1 | 31 | 27 | 15 | 1 | 0 | 23.7 | 12 | 10.9 | 1 | 0 | 0 | 0 | 0 |
| | Bahariya | 34.9 | + 0.2 | 17.0 | — 0.5 | 26.0 | 42.5 | 28 | 27.5 | 8 | 31 | 26 | 14 | 5 | 0 | 23.6 | 13 | 11.4 | 1 | 0 | 0 | 0 | 0 |
| | Farafra | 36.0 | + 0.8 | 18.0 | + 0.6 | 27.0 | 44.5 | 13 | 27.2 | 1 | 31 | 27 | 17 | 5 | 0 | 23.5 | 14 | 11.0 | 1 | 0 | 0 | 0 | 0 |
| | Dakhla | 38.1 | + 0.7 | 18.7 | — 2.0 | 28.4 | 44.3 | 28 | 29.5 | 8 | 31 | 30 | 25 | 12 | 0 | 26.7 | 26 | 10.0 | 10 | 0 | 0 | 0 | 0 |
| | Kharga | 38.8 | + 1.1 | 20.6 | — 0.8 | 29.7 | 46.2 | 28 | 29.4 | 8 | 31 | 30 | 26 | 13 | 2 | 28.3 | 16 | 12.4 | 2 | 0 | 0 | 0 | 0 |
| Red Sea | Suez | 33.0 | + 0.4 | 18.4 | — 0·1 | 25.7 | 41.8 | 28 | 27.8 | 8·9 | 31 | 24 | 9 | 1 | 0 | 25·4 | 13 | 12.8 | 1 | 0 | 0 | 0 | 0 |
| | Tor | 30.3 | — 1.3 | 20.5 | 0.0 | 25.4 | 39.2 | 15·16 | 22.3 | 1 | 28 | 16 | 3 | 0 | 0 | 24.0 | 16·26 | 13.2 | 2 | 0 | 0 | 0 | 0 |
| | Hurghada | 31.3 | + 1.9 | 20.8 | 0.0 | 26.0 | 37.7 | 19 | 26.0 | 1 | 31 | 22 | 2 | 0 | 0 | 24.5 | 17 | 16.9 | 10 | 0 | 0 | 0 | 0 |
| | Quseir | 30.6 | — 0.1 | 22.8 | — 0.4 | 26.7 | 41.4 | 19 | 25·9 | 9 | 31 | 16 | 1 | 1 | 0 | 26.0 | 17 | 18.8 | 2 | 0 | 0 | 0 | 0 |

TABLE A 3.—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

MAY 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0·1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh (A) | 19.3 | — 8.0 | 9.8 | 18 | 2 | 2 | 0 | 0 | 0 | 0·0 | -- | 354.0 | 397.8 | 89 | 1.6 | 3.1 | 2.8 | 2.6 | 2.8 |
| | Bouka ... ... ... ... | 7.2 | — | 6.4 | 17 | 2 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 3.4 | 2.9 | 3.5 | 2.2 |
| | Tartous ... ... ... ... | 7.0 | — | 4.0 | 19 | 2 | 2 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.4 | 1.3 | 1.0 | 2.7 |
| Western Inland | Damascus (A) ... | 18.9 | + 10.4 | 18.2 | 17 | 2 | 1 | 1 | 0 | 0 | 0.0 | — | 363.1 | 394.7 | 92 | 1.3 | 2.3 | 3.0 | 2.0 | 9.5 |
| | Aleppo (A) ... | tr. | — 17.3 | tr. | * | 0 | 0 | 0 | 0 | 0 | 0 0 | — | 358.7 | 403.0 | 89 | 2.1 | 3.3 | 3.8 | 3.1 | 9.7 |
| | Hama (A) ... | 14.4 | + 2.3 | 8.9 | 17 | 4 | 3 | 0 | 0 | 0 | 0·0 | — | 360.0 | 409.1 | 88 | 1.6 | 2.6 | 3.1 | 2.5 | 8.0 |
| | Homs ... ... ... ... | 27.0 | + 14.1 | 12.0 | 17·18 | 4 | 4 | 2 | 0 | 0 | 0·0 | — | — | — | — | — | 2.5 | 2.6 | 3.1 | 5.0 |
| | Kharabo ... ... ... | 21·1 | — | 14.4 | 4 | 2 | 2 | 1 | 0 | 0 | 0,0 | — | — | — | — | — | 1.8 | 1.2 | 0.1 | — |
| | Salamiyie ... ... ... | 17.7 | — | 9.5 | 17 | 5 | 4 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.7 | 2.5 | 1.4 | 5.3 |
| | Meselmiyie ... ... ... | 5.6 | — | 4.4 | 21 | 3 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.2 | 2.6 | 1.4 | 8.2 |
| | Fiq ... ... ... ... ... | 8.7 | — | 5.8 | 17 | 2 | 2 | 0 | 0 | 0 | 0·0 | — | 367·9 | 399.9 | 92 | 2.1 | 2.9 | 2.4 | 2.5 | 7.8 |
| | Tell Shihab ... ... ... | 3.4 | — | 3.2 | 17 | 2 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.8 | 1.0 | 0.9 | 5.1 |
| Desert | Palmyra (A) ... | 6.7 | — 3.4 | 3.4 | 4 | 4 | 2 | 0 | 0 | 0 | 0.0 | — | 335.3 | 394.5 | 85 | — | 2.5 | 3.4 | 2.6 | 11.1 |
| El Gezira | Deir Ezzor (A) ... | 8.7 | + 1.6 | 2.2 | 17 | 5 | 5 | 0 | 0 | 0 | 0·0 | — | 299.5 | 404.7 | 74 | 2.2 | 3.3 | 4.2 | 2.7 | 10.0 |
| | Raqqa ... ... ... ... | 1.8 | — | 1.8 | 18 | 1 | 1 | 0 | 0 | 0 | 0·0 | — | 323.8 | 394.9 | 82 | 2.3 | 3.0 | 3.8 | 3.3 | 9.2 |
| North Eastern | Qamishlie (A) ... | 104.3 | + 71.1 | 44.4 | 18 | 12 | 8 | 4 | 1 | 0 | 0.0 | — | 264.6 | 383.5 | 69 | 2.8 | 3.5 | 4.6 | 3.8 | 5.1 |
| | Tell Tamer ... ... ... | 28.1 | — | 14.7 | 10 | 10 | 7 | 1 | 0 | 0 | 0·0 | — | — | — | — | — | 2.9 | 3.7 | 3.3 | 6·9 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum ... ... ... ... | 2.2 | — 1.5 | 1.3 | 14 | 6 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | 2.3 | 3·0 | 2.6 | 2.3 | 7.6 |
| | Sidi Barrani ... ... ... | 1.5 | — 1.0 | 1.0 | 15 | 4 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.9 | 2.5 | 1.8 | 6.7 |
| | Mersa Matruh (A) ... | tr. | — 4.0 | tr. | 5·10·15 | 0 | 0 | 0 | 0 | 0 | 0,0 | — | — | — | — | 1.6 | 3.8 | 2.7 | 3.2 | 7.3 |
| | Dabaa ... ... ... ... | 2·0 | + 0.6 | 2.0 | 15 | 1 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.6 | 1.7 | 1.4 | 7.0 |
| | Alexandria (A) ... | tr. | — 1.8 | tr. | 12·15·17 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 354.7 | 425.0 | 83·5 | 1.4 | 2.8 | 2.6 | 2.4 | 5.1 |
| | Dekheila (A) ... | 0.2 | — 3.0 | 0.2 | 12 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.9 | 2.5 | 2.0 | 1.8 | 5.4 |
| | Damietta ... ... ... | 0.0 | — 2.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.0 | 1.5 | 1.5 | 4.8 |
| | Port Said (A) ... | tr. | — 4.3 | tr. | 15·17 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 320.5 | 425.0 | 75.4 | 0.9 | 2.2 | 1.7 | 1.6 | 6.6 |
| | El Arish ... ... ... | 0.1 | — 3.0 | 0.1 | 17 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.8 | 2.5 | 2.2 | 2.2 | 4.8 |
| | Ghazza ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

* = More than three days

TABLE A 3, (*continued*)—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

MAY 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal. | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... ... | 0.2 | —2.4 | 0.2 | 15 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.7 | 2.0 | 1.5 | 5.8 |
| | Mansoura ... ... ... | tr. | —4.3 | tr. | 15 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.3 | 2.0 | 1.0 | 5.3 |
| | Tanta ... ... ... ... | 0.0 | —4.5 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 341.5 | 425.0 | 80.4 | — | 2.1 | 1.9 | 1.2 | 9.3 |
| | Shebin el Kom ... ... | 0.0 | —2.4 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.9 | 0.9 | 0.8 | 5.4 |
| | Zagazig ... ... ... ... | 0.0 | —1.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.9 | 3.7 | 0.6 | 6.8 |
| | Zaher (A) ... | 0.1 | — | 0.1 | 15 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.0 | 1.9 | 1.3 | 14.7 |
| | Wadi el Natrun ... ... | 0.0 | —2.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.6 | 2.2 | 1.4 | 11.1 |
| | Abu Sueir ... (A) ... | tr. | — | tr. | 15·16 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.0 | 1.9 | 2.3 | 1.5 | 14.8 |
| Cairo Area | Cairo (A) ... | 0.7 | +0.7 | 0.7 | 15 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.2 | 2.6 | 2.3 | 1.4 | 15.2 |
| | Almaza (A) ... | 0.3 | —1.7 | 0.3 | 15 | 1 | 0 | 0 | 0 | 0 | 0.0 | — | 308.0 | 423.0 | 72.8 | 0.9 | 2.6 | 2.3 | 1.2 | 12.7 |
| | Abbasiya (H.Q.) ... ... | tr. | — | tr. | 12·15 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.1 | 2.8 | 2.3 | 1.3 | 9.2 |
| | Mostafa Helmi (A) ... | tr. | — | tr. | 12 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.7 | 2.4 | 2.0 | 1.4 | 16.6 |
| | Giza ... ... ... ... | tr. | —2.0 | tr. | 12·15 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 332.8 | 423.0 | 78.7 | — | 2.6 | 2.2 | 1.1 | 11.4 |
| | Helwan ... ... ... ... | tr. | —4.0 | tr. | 15·16 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | (313.6) | (395.3) | 79.3 | — | 2.0 | 2.4 | 1.2 | 15.3 |
| Upper Egypt | Fayoum ... ... ... ... | tr. | —2.0 | tr. | 15·16 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.0 | 1.8 | 0.5 | 10.5 |
| | Beni Suef ... ... ... | tr. | 0.0 | tr. | 16 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.9 | 1.8 | 1.4 | 10.8 |
| | Minya (A) ... | 0.0 | —0.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.2 | 1.5 | 1.5 | 1.3 | 15.0 |
| | Asyout (A) ... | 0.0 | —tr. | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.5 | 0.9 | 1.2 | 1.1 | 22.6 |
| | Nag Hammadi ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.6 | 2.9 | 2.2 | 13.1 |
| | Qena ... ... ... ... | 0.0 | —1·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.7 | 0.6 | 0.5 | 14.6 |
| | Luxor (A) ... | 0.0 | —0.7 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.3 | 0.3 | 0.4 | 0.4 | 14.9 |
| | Aswan ... ... ... ... | 0.0 | —1.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0,0 | — | — | — | — | 0.4 | 1.1 | 0.5 | 0.6 | 15.6 |
| Western Desert | Siwa ... ... ... ... | 0.3 | —1.4 | 0.3 | 15 | 1 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.7 | 1.6 | 2.6 | 2.0 | 16.6 |
| | Bahariya ... ... ... | tr. | + tr. | tr. | 14·15·16 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.5 | 1.8 | 1.8 | 1.7 | 11.9 |
| | Farafra ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0,0 | — | — | — | — | 0.6 | 1.1 | 1.1 | 0.8 | 24.0 |
| | Dakhla ... ... ... ... | tr. | + tr. | tr. | 7 | 0 | 0 | 0 | 0 | 0 | 0,0 | — | — | — | — | 0.7 | 1.1 | 1.1 | 1.4 | 23.8 |
| | Kharga ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.7 | 0.9 | 1.0 | 18.9 |
| Red Sea | Suez... ... ... ... ... | 0.0 | —1.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.4 | 1.7 | 0.7 | 13.9 |
| | Tor ... ... ... ... ... | 0.0 | 0·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.8 | 1.3 | 2.0 | 1.5 | 10.7 |
| | Hurghada ... ... ... | 0.0 | —0·4 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.7 | 0.8 | 1.4 | 1.2 | 21.3 |
| | Quseir ... ... ... ... | 0.0 | 0·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.3 | 0.9 | 0.7 | 0.3 | 16.7 |

Note: Actual number of sunshine records was 29 days at Helwan.

## TABLE A 4.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

### MAY 1959

| Station | Number of days of occurrence of | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rain | Snow | Hail | Thunderstorm | Fog | Mist | Haze | Sandstorm Dustatorm | Sandrising Dustrising | Gales | Cloudy sky | Clear sky |
| **Northern Region** | | | | | | | | | | | | |
| Jableh (A) ... ... ... | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |
| Bouka ... ... ... ... ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Tartous ... ... ... ... ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Damascus (A) ... ... ... | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 14 |
| Aleppo (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 2 | 1 | 10 |
| Hama (A) ... ... ... | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 |
| Homs ... ... ... ... ... ... | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Kharabo ... ... ... ... ... | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | — | — |
| Salamiyie ... ... ... ... ... | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | — | — |
| Meselmiyie ... ... ... ... ... | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | — | — |
| Fiq ... ... ... ... ... ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 |
| Tell Shihab ... ... ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Palmyra (A) ... ... ... | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 12 |
| Deir Ezzor (A) ... ... ... | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 5 | 0 | 2 | 10 |
| Raqqa ... ... ... ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 4 | 11 |
| Qamishlie (A) ... ... ... | 12 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 9 |
| Tell Tamer ... ... ... ... ... | 10 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| **Southern Region** | | | | | | | | | | | | |
| Sallum ... ... ... ... ... ... | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 14 |
| Sidi Barrani ... ... ... | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | — | — |
| Mersa Matruh (A) ... ... ... | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 14 |
| Alexandria (A) ... ... ... | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 15 |
| Port Said (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 22 |
| El Arish ... ... ... | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 16 |
| Abu Sueir (A) ... ... ... | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 20 |
| Cairo (A) ... ... ... | 1 | 0 | 0 | 0 | 1 | 10 | 4 | 0 | 3 | 0 | 1 | 16 |
| Almaza (A) ... ... ... | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 1 | 17 |
| Abbasiya (H.Q.) ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 19 |
| Mostafa Helmi (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 4 | 0 | 1 | 19 |
| Minya (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 26 |
| Asyout (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 26 |
| Luxor (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 29 |
| Aswan ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 27 |
| Siwa ... ... ... ... ... ... | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 18 |
| Hurghada ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 1 | 23 |
| Quseir ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 28 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## NORTHERN REGION — MAY 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| COASTAL | Jableh (A) | 399 | 0 | 0 | 1-10 | 0 | 1 | 5 | 2 | 5 | 5 | 5 | 9 | 17 | 43 | 54 | 6 | 14 | 33 | 14 | 3 | 216 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 57 | 35 | 1 | 7 | 9 | 9 | 1 | 129 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **0** | **1** | **5** | **2** | **5** | **5** | **5** | **12** | **24** | **100** | **89** | **7** | **21** | **42** | **23** | **4** | **345** |
| | Bouka ... ... | 441 | 0 | 0 | 1-10 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 79 | 53 | 39 | 28 | 0 | 255 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 23 | 14 | 2 | 1 | 7 | 0 | 48 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **0** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **77** | **93** | **55** | **40** | **35** | **0** | **303** |
| WESTERN INLAND | Damascus (A) | 144 | 0 | 0 | 1-10 | 13 | 16 | 13 | 25 | 43 | 36 | 17 | 15 | 26 | 18 | 15 | 17 | 30 | 15 | 18 | 14 | 331 |
| | | | | | 11-27 | 7 | 3 | 2 | 1 | 15 | 4 | 3 | 0 | 2 | 3 | 11 | 11 | 15 | 42 | 108 | 37 | 264 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 5 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **20** | **19** | **15** | **26** | **58** | **40** | **20** | **15** | **28** | **21** | **26** | **28** | **45** | **60** | **128** | **51** | **600** |
| | Aleppo (A) | 88 | 0 | 0 | 1-10 | 18 | 9 | 3 | 9 | 12 | 2 | 0 | 1 | 8 | 12 | 25 | 50 | 101 | 24 | 18 | 20 | 312 |
| | | | | | 11-27 | 3 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 2 | 4 | 38 | 69 | 190 | 16 | 0 | 4 | 332 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 0 | 0 | 0 | 12 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **21** | **10** | **3** | **11** | **15** | **2** | **0** | **1** | **10** | **16** | **63** | **120** | **302** | **40** | **18** | **24** | **656** |
| | Hama (A) | 107 | 0 | 0 | 1-10 | 15 | 3 | 23 | 47 | 40 | 6 | 6 | 7 | 27 | 24 | 51 | 49 | 39 | 16 | 8 | 12 | 373 |
| | | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 9 | 14 | 30 | 45 | 123 | 32 | 5 | 1 | 264 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **17** | **3** | **23** | **47** | **40** | **7** | **6** | **9** | **36** | **38** | **81** | **94** | **162** | **48** | **13** | **13** | **637** |
| | Kharabo ... | 459 | 0 | 18 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 38 | 105 | 10 | 14 | 0 | 173 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 46 | 38 | 0 | 1 | 0 | 93 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **13** | **84** | **144** | **10** | **15** | **0** | **267** |
| | Salamiyie ... | 342 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 42 | 106 | 34 | 7 | 7 | 2 | 1 | 219 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9 | 126 | 37 | 4 | 0 | 0 | 1 | 181 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **24** | **51** | **234** | **71** | **11** | **7** | **2** | **2** | **402** |
| | Fiq ... . | 50 | 0 | 248 | 1-10 | 18 | 2 | 2 | 10 | 19 | 2 | 0 | 1 | 2 | 4 | 6 | 29 | 108 | 41 | 6 | 17 | 267 |
| | | | | | 11-27 | 12 | 1 | 2 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 86 | 45 | 4 | 11 | 179 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **30** | **3** | **4** | **13** | **24** | **2** | **0** | **1** | **2** | **4** | **7** | **38** | **194** | **86** | **10** | **28** | **446** |
| DESERT | Palmyra (A) | 73 | 0 | 0 | 1-10 | 9 | 7 | 13 | 6 | 10 | 14 | 6 | 6 | 1 | 3 | 3 | 22 | 98 | 156 | 83 | 25 | 462 |
| | | | | | 11-27 | 4 | 2 | 4 | 2 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 7 | 36 | 83 | 50 | 13 | 209 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **13** | **9** | **17** | **8** | **14** | **18** | **6** | **6** | **1** | **3** | **3** | **29** | **134** | **239** | **133** | **38** | **671** |
| EL GEZEIRA | Deir Ezzor (A) | 288 | 0 | 0 | 1-10 | 30 | 2 | 16 | 5 | 26 | 0 | 7 | 9 | 15 | 8 | 19 | 8 | 151 | 44 | 18 | 10 | 368 |
| | | | | | 11-27 | 15 | 0 | 1 | 3 | 0 | 0 | 0 | 2 | 7 | 3 | 7 | 1 | 29 | 9 | 8 | 3 | 88 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **45** | **2** | **17** | **8** | **26** | **0** | **7** | **11** | **22** | **11** | **26** | **9** | **180** | **53** | **26** | **13** | **456** |
| | Raqqa... ... | 60 | 0 | 0 | 1-10 | 21 | 27 | 11 | 0 | 0 | 0 | 4 | 7 | 14 | 71 | 127 | 60 | 27 | 12 | 21 | 8 | 410 |
| | | | | | 11-27 | 6 | 1 | 1 | 0 | 0 | 0 | 3 | 2 | 18 | 48 | 127 | 42 | 6 | 9 | 6 | 2 | 271 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **27** | **28** | **12** | **0** | **0** | **0** | **7** | **9** | **33** | **119** | **254** | **104** | **33** | **21** | **27** | **10** | **684** |
| NORTH EASTERN | Qamishlie (A) | 113 | 0 | 0 | 1-10 | 113 | 13 | 59 | 32 | 13 | 0 | 12 | 13 | 14 | 22 | 30 | 46 | 58 | 9 | 20 | 71 | 525 |
| | | | | | 11-27 | 20 | 8 | 24 | 10 | 5 | 0 | 2 | 1 | 3 | 4 | 4 | 4 | 19 | 0 | 1 | 1 | 106 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **133** | **21** | **83** | **42** | **18** | **0** | **14** | **14** | **17** | **26** | **34** | **50** | **77** | **9** | **21** | **72** | **631** |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## SOUTHERN REGION — MAY 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| MEDITERRANEAN | Sidi Barrani ... | 16 | 7 | 35 | 1-10 | 93 | 45 | 33 | 35 | 42 | 20 | 13 | 15 | 37 | 3 | 45 | 86 | 467 |
| | | | | | 11-27 | 17 | 42 | 34 | 9 | 6 | 17 | 12 | 3 | 7 | 1 | 36 | 34 | 218 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 110 | 87 | 67 | 44 | 48 | 37 | 26 | 18 | 44 | 4 | 81 | 120 | 686 |
| | Mersa Matruh (A) | 22 | 1 | 1 | 1-10 | 66 | 31 | 41 | 39 | 41 | 28 | 11 | 18 | 56 | 6 | 30 | 106 | 473 |
| | | | | | 11-27 | 44 | 34 | 19 | 24 | 8 | 2 | 8 | 9 | 2 | 0 | 24 | 73 | 247 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 110 | 65 | 60 | 63 | 49 | 30 | 19 | 27 | 58 | 6 | 54 | 179 | 720 |
| | Alexandria (A) | 5 | 3 | 9 | 1-10 | 115 | 86 | 50 | 28 | 22 | 11 | 3 | 3 | 12 | 0 | 27 | 133 | 490 |
| | | | | | 11-27 | 84 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 19 | 106 | 237 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 199 | 108 | 50 | 28 | 22 | 11 | 3 | 3 | 18 | 0 | 46 | 239 | 727 |
| | El Dekheila (A) | 6 | 2 | 0 | 1-10 | 79 | 136 | 67 | 44 | 23 | 24 | 12 | 3 | 5 | 2 | 16 | 70 | 481 |
| | | | | | 11-27 | 51 | 108 | 23 | 5 | 1 | 5 | 1 | 0 | 1 | 0 | 8 | 52 | 255 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 130 | 244 | 90 | 49 | 24 | 29 | 13 | 3 | 6 | 2 | 24 | 122 | 736 |
| | Port Said (A) | 0 | 0 | 0 | 1-10 | 79 | 130 | 69 | 44 | 17 | 7 | 4 | 14 | 4 | 1 | 12 | 59 | 440 |
| | | | | | 11-27 | 123 | 55 | 48 | 20 | 8 | 0 | 0 | 0 | 17 | 0 | 6 | 27 | 304 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 202 | 185 | 117 | 64 | 25 | 7 | 4 | 14 | 21 | 1 | 18 | 86 | 744 |
| | El Arish ... ... | 138 | 99 | 3 | 1-10 | 93 | 110 | 34 | 3 | 5 | 26 | 8 | 13 | 11 | 3 | 48 | 126 | 480 |
| | | | | | 11-27 | 1 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 10 | 3 | 24 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 94 | 116 | 35 | 3 | 5 | 26 | 8 | 13 | 12 | 5 | 58 | 129 | 504 |
| LOWER EGYPT | Zaher (A) | 16 | 37 | 0 | 1-10 | 99 | 106 | 74 | 46 | 10 | 6 | 1 | 11 | 11 | 18 | 29 | 55 | 466 |
| | | | | | 11-27 | 53 | 93 | 34 | 4 | 1 | 1 | 1 | 0 | 5 | 6 | 4 | 23 | 225 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 172 | 199 | 108 | 50 | 11 | 7 | 2 | 11 | 16 | 24 | 33 | 78 | 691 |
| CAIRO AREA | Cairo (A) | 4 | 2 | 0 | 1-10 | 86 | 144 | 205 | 68 | 14 | 0 | 7 | 0 | 7 | 7 | 23 | 61 | 622 |
| | | | | | 11-27 | 5 | 37 | 53 | 7 | 0 | 0 | 0 | 0 | 0 | 10 | 1 | 3 | 116 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 91 | 181 | 258 | 75 | 14 | 0 | 7 | 0 | 7 | 17 | 24 | 64 | 738 |
| | Almaza (A) | 0 | 1 | 0 | 1-10 | 38 | 81 | 210 | 57 | 15 | 8 | 0 | 2 | 8 | 0 | 10 | 25 | 454 |
| | | | | | 11-27 | 5 | 22 | 179 | 55 | 14 | 3 | 0 | 0 | 0 | 1 | 10 | 0 | 289 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 43 | 103 | 389 | 112 | 29 | 11 | 0 | 2 | 8 | 1 | 20 | 25 | 743 |
| | Abbasiya (H.Q.) | 18 | 5 | 5 | 1-10 | 217 | 242 | 54 | 8 | 2 | 5 | 0 | 0 | 5 | 4 | 36 | 76 | 649 |
| | | | | | 11-27 | 9 | 50 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 67 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 226 | 292 | 58 | 8 | 2 | 5 | 0 | 0 | 5 | 7 | 36 | 77 | 716 |
| | Mostafa Helmi (A) | 1 | 0 | 27 | 1-10 | 57 | 78 | 58 | 41 | 15 | 5 | 0 | 0 | 1 | 6 | 5 | 16 | 282 |
| | | | | | 11-27 | 57 | 141 | 170 | 28 | 4 | 0 | 0 | 0 | 0 | 4 | 7 | 21 | 432 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 114 | 219 | 228 | 69 | 19 | 5 | 0 | 0 | 1 | 10 | 12 | 39 | 716 |
| | Giza ... ... ... | 15 | 15 | 1 | 1-10 | 205 | 225 | 85 | 3 | 0 | 4 | 0 | 8 | 2 | 14 | 37 | 129 | 712 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 205 | 225 | 85 | 3 | 0 | 4 | 0 | 8 | 2 | 14 | 37 | 130 | 713 |

## TABLE A 5.– NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

### SOUTHERN REGION (*contd.*) – MAY 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| Upper Egypt | Minya... ... (A) | 20 | 8 | 105 | 1–10 | 64 | 13 | 10 | 7 | 10 | 0 | 0 | 0 | 6 | 15 | 17 | 189 | 331 |
| | | | | | 11–27 | 99 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 | 166 | 280 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **163** | **14** | **12** | **7** | **10** | **0** | **0** | **0** | **7** | **20** | **23** | **355** | **611** |
| | Luxor... ... (A) | 4 | 1 | 0 | 1–10 | 00 | 70 | 30 | 17 | 30 | 95 | 1 | 39 | 21 | 40 | 88 | 145 | 636 |
| | | | | | 11–27 | 6 | 8 | 9 | 3 | 4 | 3 | 0 | 4 | 3 | 4 | 30 | 29 | 103 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **66** | **78** | **39** | **20** | **34** | **98** | **1** | **43** | **24** | **44** | **118** | **174** | **739** |
| Western Desert | Siwa ... ... ... | 35 | 0 | 1 | 1–10 | 16 | 39 | 62 | 137 | 75 | 63 | 0 | 11 | 7 | 9 | 11 | 27 | 457 |
| | | | | | 11–27 | 9 | 47 | 40 | 61 | 38 | 27 | 0 | 4 | 0 | 5 | 10 | 10 | 251 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **25** | **86** | **102** | **198** | **113** | 90 | **0** | **15** | **7** | **14** | **21** | **37** | **708** |
| | Dakhla... ... ... | 4 | 5 | 2 | 1–10 | 41 | 44 | 31 | 22 | 27 | 29 | 24 | 22 | 18 | 38 | 72 | 55 | 423 |
| | | | | | 11–27 | 91 | 41 | 15 | 6 | 6 | 4 | 2 | 1 | 4 | 7 | 24 | 109 | 310 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **132** | **85** | **46** | 28 | **33** | **33** | **26** | **23** | **22** | **45** | **96** | **164** | **733** |
| Red Sea | Hurghada ... ... | 1 | 18 | 21 | 1–10 | 45 | 42 | 16 | 6 | 7 | 13 | 4 | 4 | 1 | 4 | 26 | 42 | 210 |
| | | | | | 11–27 | 208 | 60 | 2 | 1 | 1 | 2 | 2 | 0 | 0 | 6 | 18 | 170 | 470 |
| | | | | | 28–47 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 24 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **260** | **102** | **18** | **7** | 8 | **15** | **6** | **4** | **1** | **10** | **44** | **229** | **704** |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### JABLEH (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 27 | 0 | 0 | 1–10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 0300 | 26 | 0 | 0 | 1–10 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| 0600 | 24 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 0900 | 9 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 1 | 0 | 2 | 1 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 0 | 1 | 2 | 1 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 7 | 1 | 1 | 4 | 2 | 0 | 22 |
| 1200 | 3 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 1 | 4 | 2 | 0 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 1 | 2 | 1 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 10 | 0 | 2 | 6 | 3 | 0 | 28 |
| 1500 | 6 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 5 | 0 | 2 | 3 | 1 | 1 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 1 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 8 | 0 | 2 | 3 | 2 | 1 | 25 |
| 1800 | 19 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 1 | 0 | 0 | 1 | 2 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 2 | 0 | 0 | 1 | 2 | 0 | 12 |
| 2100 | 22 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 2 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 9 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## BOUKA — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 28 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 3 |
| 0300 | 27 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| 0600 | 20 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 1 | 0 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 1 | 0 | 0 | 0 | 11 |
| 0900 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 5 | 4 | 4 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10 | 5 | 4 | 4 | 0 | 27 |
| 1200 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 8 | 3 | 1 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 2 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9 | 9 | 3 | 3 | 0 | 28 |
| 1500 | 13 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 3 | 3 | 2 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 3 | 4 | 2 | 0 | 18 |
| 1800 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 5 |
| 2100 | 28 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 3 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DAMASCUS (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 11 | 0 | 0 | 1-10 | 3 | 0 | 2 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 3 | 1 | 1 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 2 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 3 | 1 | 3 | 1 | 20 |
| 0300 | 18 | 0 | 0 | 1-10 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 9 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 1 | 13 |
| 0600 | 10 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 5 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | 1 | 0 | 1 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 21 |
| 0900 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 5 | 3 | 2 | 2 | 2 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 2 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 6 | 5 | 3 | 2 | 2 | 3 | 1 | 0 | 1 | 3 | 2 | 0 | 30 |
| 1200 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 2 | 3 | 1 | 1 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 0 | 4 | 4 | 0 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 4 | 3 | 2 | 1 | 3 | 0 | 2 | 3 | 1 | 4 | 4 | 1 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 9 | 6 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 5 | 9 | 6 | 31 |
| 1800 | 2 | 0 | 0 | 1-10 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 3 | 2 | 13 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 5 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 3 | 10 | 7 | 29 |
| 2100 | 5 | 0 | 0 | 1-10 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 2 | 0 | 0 | 2 | 15 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 2 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 1 | 1 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 6 | 4 | 26 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ALEPPO (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 11 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 4 | 2 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 1 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 7 | 3 | 0 | 0 | 20 |
| 0300 | 8 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 6 | 1 | 1 | 2 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 3 | 7 | 1 | 1 | 2 | 23 |
| 0600 | 3 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 6 | 0 | 0 | 1 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 8 | 1 | 0 | 0 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 4 | 14 | 1 | 0 | 1 | 28 |
| 0900 | 3 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 0 | 0 | 1 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 9 | 0 | 0 | 1 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 4 | 5 | 11 | 0 | 0 | 2 | 28 |
| 1200 | 1 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 4 | 1 | 2 | 0 | 11 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 10 | 1 | 0 | 0 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 2 | 3 | 14 | 2 | 2 | 0 | 30 |
| 1500 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 1 | 0 | 0 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 16 | 2 | 0 | 0 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 20 | 3 | 0 | 0 | 30 |
| 1800 | 2 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 0 | 1 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 2 | 0 | 0 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 18 | 4 | 0 | 1 | 29 |
| 2100 | 1 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 2 | 1 | 3 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 7 | 0 | 0 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 15 | 2 | 1 | 3 | 30 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### HAMA (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 5 | 0 | 0 | 1-10 | 2 | 0 | 2 | 6 | 4 | 1 | 0 | 2 | 1 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 2 | 6 | 4 | 1 | 0 | 2 | 1 | 0 | 6 | 1 | 1 | 0 | 0 | 0 | 26 |
| 0300 | 6 | 0 | 0 | 1-10 | 0 | 0 | 2 | 9 | 2 | 1 | 0 | 1 | 3 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 9 | 2 | 1 | 0 | 1 | 3 | 1 | 1 | 1 | 3 | 1 | 0 | 0 | 25 |
| 0600 | 11 | 0 | 0 | 1-10 | 0 | 1 | 3 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 3 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 3 | 0 | 0 | 1 | 20 |
| 0900 | 3 | 0 | 0 | 1-10 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 5 | 1 | 2 | 0 | 2 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 2 | 1 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 6 | 7 | 4 | 1 | 2 | 28 |
| 1200 | 3 | 0 | 0 | 1-10 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 13 | 4 | 0 | 0 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 14 | 4 | 0 | 0 | 28 |
| 1500 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 12 | 3 | 1 | 0 | 27 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 13 | 4 | 1 | 0 | 29 |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 6 | 4 | 2 | 2 | 1 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 5 | 4 | 1 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 11 | 8 | 3 | 2 | 1 | 31 |
| 2100 | 3 | 0 | 0 | 1-10 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 5 | 4 | 3 | 4 | 1 | 2 | 0 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 7 | 4 | 4 | 4 | 3 | 2 | 0 | 0 | 28 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## KHARABO — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 22 | 0 | 1 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 5 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 1 | 1 | 0 | 8 |
| 0300 | 27 | 0 | 1 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| 0600 | 27 | 0 | 1 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| 0900 | 18 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 1 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 4 |
| | | | | 21–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 1 | 0 | 0 | 13 |
| 1200 | 12 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 1 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 14 | 0 | 1 | 0 | 19 |
| 1500 | 10 | 0 | 1 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 0 | 1 | 0 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 11 | 0 | 1 | 0 | 20 |
| 1800 | 17 | 0 | 1 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9 | 0 | 0 | 0 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9 | 0 | 0 | 0 | 13 |
| 2100 | 20 | 0 | 1 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 0 | 0 | 0 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 5 | 0 | 0 | 0 | 10 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## SALAMIYIE —MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 25 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 6 |
| 0300 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| 0600 | 11 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 9 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 12 | 1 | 0 | 0 | 0 | 0 | 20 |
| 0900 | 8 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 3 | 1 | 1 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 1 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 12 | 4 | 1 | 1 | 0 | 0 | 23 |
| 1200 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 1 | 1 | 0 | 2 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 10 | 6 | 2 | 0 | 0 | 0 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 13 | 7 | 3 | 0 | 2 | 0 | 29 |
| 1500 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 8 | 0 | 0 | 0 | 1 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 9 | 0 | 0 | 0 | 1 | 26 |
| 1800 | 13 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 1 | 1 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 14 | 1 | 1 | 0 | 0 | 0 | 18 |
| 2100 | 23 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 8 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## FIQ — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 14 | 0 | 0 | 1-10 | 0 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 0 | 0 | 17 |
| 0300 | 12 | 0 | 0 | 1-10 | 1 | 1 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 1 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 1 | 0 | 0 | 19 |
| 0600 | 6 | 0 | 0 | 1-10 | 1 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 5 | 2 | 0 | 0 | 19 |
| | | | | 11-27 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 4 | 5 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 5 | 2 | 0 | 0 | 25 |
| 0900 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 6 | 1 | 2 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 14 | 6 | 1 | 2 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 3 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 4 | 1 | 0 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 20 | 7 | 1 | 0 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 1 | 5 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 16 | 4 | 0 | 2 | 26 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 18 | 5 | 0 | 3 | 31 |
| 1800 | 2 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 5 | 0 | 3 | 17 |
| | | | | 11-27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 7 | 0 | 4 | 29 |
| 2100 | 10 | 0 | 0 | 1-10 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 4 | 1 | 0 | 2 | 19 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 5 | 1 | 0 | 2 | 21 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## PALMYRA (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 4 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 3 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 15 | 7 | 0 | 29 |
| 0300 | 3 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 6 | 3 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 4 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 12 | 7 | 0 | 28 |
| 0600 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 9 | 2 | 2 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 10 | 10 | 2 | 2 | 28 |
| 0900 | 2 | 0 | 0 | 1-10 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 5 | 7 | 2 | 3 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 7 | 9 | 2 | 3 | 29 |
| 1200 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 4 | 4 | 5 | 3 | 3 | 24 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 4 | 4 | 6 | 6 | 4 | 30 |
| 1500 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 4 | 4 | 5 | 2 | 20 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 5 | 5 | 8 | 2 | 28 |
| 1800 | 3 | 0 | 0 | 1-10 | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 4 | 6 | 24 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 6 | 6 | 28 |
| 2100 | 2 | 0 | 0 | 1-10 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 4 | 1 | 0 | 16 |
| | | | | 11-27 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 1 | 2 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 10 | 8 | 2 | 2 | 29 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DEIR EZZOR (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 19 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 1 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 12 |
| 0300 | 20 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 3 | 0 | 0 | 9 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 11 |
| 0600 | 11 | 0 | 0 | 1-10 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 8 | 2 | 0 | 1 | 15 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 9 | 2 | 0 | 1 | 20 |
| 0900 | 4 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 8 | 4 | 3 | 0 | 24 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 8 | 4 | 4 | 0 | 27 |
| 1200 | 8 | 0 | 0 | 1-10 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 6 | 1 | 0 | 2 | 17 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 8 | 1 | 1 | 3 | 23 |
| 1500 | 6 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 6 | 1 | 1 | 1 | 17 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 2 | 1 | 0 | 1 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 1 | 0 | 4 | 0 | 8 | 2 | 1 | 2 | 25 |
| 1800 | 13 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 7 | 1 | 0 | 0 | 15 |
| 2100 | 17 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 0 | 2 | 0 | 10 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 8 | 0 | 3 | 0 | 14 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS**

## RAQQA — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 3 | 3 | 1 | 0 | 1 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 13 | 3 | 3 | 1 | 0 | 1 | 28 |
| 0300 | 5 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 7 | 1 | 3 | 1 | 0 | 1 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 7 | 9 | 1 | 3 | 1 | 1 | 1 | 26 |
| 0600 | 1 | 0 | 0 | 1-10 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 4 | 2 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 0 | 0 | 0 | 1 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 16 | 4 | 2 | 0 | 1 | 0 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 3 | 6 | 1 | 2 | 0 | 1 | 0 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 4 | 1 | 1 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 4 | 9 | 4 | 6 | 1 | 2 | 0 | 0 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 5 | 4 | 2 | 1 | 1 | 0 | 0 | 17 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 1 | 1 | 1 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 9 | 10 | 3 | 2 | 2 | 0 | 0 | 31 |
| 1500 | 1 | 0 | 0 | 1-10 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 2 | 2 | 1 | 0 | 1 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 7 | 4 | 0 | 0 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 10 | 6 | 2 | 1 | 0 | 1 | 30 |
| 1800 | 4 | 0 | 0 | 1-10 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 6 | 3 | 0 | 2 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 7 | 6 | 3 | 1 | 2 | 0 | 27 |
| 2100 | 2 | 0 | 0 | 1-10 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 3 | 1 | 1 | 3 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 1 | 1 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 10 | 4 | 2 | 1 | 3 | 0 | 29 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## QAMISHLIE (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 7 | 0 | 0 | 1–10 | 10 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 3 | 23 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 3 | 24 |
| 0300 | 3 | 0 | 0 | 1–10 | 9 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 8 | 25 |
| | | | | 11–27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 8 | 28 |
| 0600 | 7 | 0 | 0 | 1–10 | 4 | 1 | 2 | 3 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 17 |
| | | | | 11–27 | 3 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 2 | 5 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 24 |
| 0900 | 5 | 0 | 0 | 1–10 | 0 | 0 | 2 | 1 | 2 | 0 | 2 | 2 | 0 | 4 | 1 | 3 | 1 | 0 | 0 | 1 | 19 |
| | | | | 11–27 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 3 | 4 | 2 | 0 | 2 | 3 | 0 | 4 | 1 | 3 | 3 | 0 | 0 | 1 | 26 |
| 1200 | 2 | 0 | 0 | 1–10 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 3 | 3 | 1 | 4 | 2 | 0 | 1 | 1 | 20 |
| | | | | 11–27 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 2 | 1 | 0 | 1 | 0 | 3 | 3 | 3 | 5 | 5 | 0 | 1 | 1 | 29 |
| 1500 | 3 | 0 | 0 | 1–10 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 6 | 8 | 0 | 0 | 1 | 26 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 2 | 1 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 6 | 8 | 0 | 0 | 1 | 28 |
| 1800 | 4 | 0 | 0 | 1–10 | 5 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 4 | 1 | 1 | 4 | 24 |
| | | | | 11–27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 5 | 1 | 1 | 4 | 27 |
| 2100 | 6 | 0 | 0 | 1–10 | 6 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 2 | 4 | 24 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 2 | 4 | 25 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## SALLUM — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 25 | 0 | 0 | 1-10 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 |
| 0300 | 19 | 0 | 0 | 1-10 | 3 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 12 |
| 0600 | 18 | 0 | 0 | 1-10 | 2 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 3 | 2 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 13 |
| 0900 | 8 | 0 | 0 | 1-10 | 3 | 2 | 5 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 5 | 6 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 23 |
| 1200 | 5 | 0 | 0 | 1-10 | 1 | 6 | 8 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 19 |
| | | | | 11-27 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 7 | 10 | 4 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 26 |
| 1500 | 3 | 0 | 0 | 1-10 | 4 | 6 | 8 | 2 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 25 |
| | | | | 11-27 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 7 | 9 | 2 | 1 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 28 |
| 1800 | 19 | 0 | 0 | 1-10 | 1 | 1 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 3 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 12 |
| 2100 | 21 | 0 | 0 | 1-10 | 0 | 2 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MERSA MATRUH (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 8 | 0 | 0 | 1-10 | 2 | 0 | 2 | 2 | 2 | 1 | 0 | 3 | 0 | 3 | 0 | 5 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 2 | 2 | 2 | 1 | 1 | 3 | 0 | 3 | 0 | 7 | 23 |
| 0300 | 1 | 0 | 0 | 1-10 | 2 | 0 | 1 | 3 | 0 | 3 | 0 | 2 | 3 | 4 | 0 | 3 | 21 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 1 | 3 | 0 | 3 | 1 | 2 | 3 | 4 | 0 | 4 | 24 |
| 0600 | 4 | 0 | 0 | 1-10 | 3 | 0 | 1 | 2 | 0 | 3 | 2 | 0 | 2 | 1 | 4 | 3 | 21 |
| | | | | 11-27 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 2 | 2 | 1 | 3 | 3 | 0 | 2 | 1 | 5 | 4 | 27 |
| 0900 | 0 | 0 | 0 | 1-10 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 13 |
| | | | | 11-27 | 4 | 2 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 6 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 4 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 10 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 |
| | | | | 11-27 | 9 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 24 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 8 |
| | | | | 11-27 | 9 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 1 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 31 |
| 1800 | 5 | 0 | 0 | 1-10 | 5 | 1 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 21 |
| | | | | 11-27 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 1 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 26 |
| 2100 | 6 | 0 | 0 | 1-10 | 3 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 3 | 0 | 5 | 3 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 3 | 0 | 5 | 5 | 25 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEXANDRIA (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 1 | 0 | 0 | 1-10 | 9 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 26 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 30 |
| 0300 | 4 | 0 | 0 | 1-10 | 5 | 7 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 24 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 7 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 27 |
| 0600 | 1 | 0 | 0 | 1-10 | 4 | 4 | 8 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 5 | 26 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 5 | 8 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 7 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 5 | 0 | 4 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 10 | 22 |
| | | | | 11-27 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 1 | 4 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 12 | 31 |
| 1200 | 0 | 0 | 1 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 9 |
| | | | | 11-27 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 16 | 30 |
| 1500 | 0 | 0 | 1 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 5 |
| | | | | 11-27 | 16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 17 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 11 | 30 |
| 1800 | 1 | 0 | 0 | 1-10 | 13 | 4 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 29 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 4 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 30 |
| 2100 | 1 | 0 | 0 | 1-10 | 10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 22 |
| | | | | 11-27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 30 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DEKHEILA (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 314 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1—10 | 2 | 8 | 3 | 4 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 23 |
| | | | | 11—27 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 7 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 9 | 3 | 5 | 1 | 3 | 0 | 0 | 0 | 1 | 1 | 3 | 30 |
| 0300 | 1 | 0 | 0 | 1—10 | 3 | 6 | 5 | 4 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 3 | 26 |
| | | | | 11—27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 6 | 5 | 4 | 1 | 1 | 3 | 0 | 0 | 0 | 1 | 4 | 30 |
| 0600 | 0 | 0 | 0 | 1—10 | 6 | 5 | 4 | 1 | 1 | 4 | 0 | 0 | 0 | 2 | 1 | 3 | 27 |
| | | | | 11—27 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 6 | 5 | 2 | 1 | 5 | 0 | 0 | 0 | 2 | 1 | 3 | 31 |
| 0900 | 0 | 0 | 0 | 1—10 | 10 | 5 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | 4 | 25 |
| | | | | 11—27 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 7 | 2 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 2 | 5 | 31 |
| 1200 | 0 | 0 | 0 | 1—10 | 5 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11—27 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 19 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 31 |
| 1500 | 1 | 0 | 0 | 1—10 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| | | | | 11—27 | 6 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 22 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 15 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 30 |
| 1800 | 0 | 0 | 0 | 1—10 | 3 | 6 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 16 |
| | | | | 11—27 | 0 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 15 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 15 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 31 |
| 2100 | 0 | 0 | 0 | 1—10 | 2 | 6 | 9 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 26 |
| | | | | 11—27 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 7 | 10 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 3 | 31 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## PORT SAID (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 4 | 8 | 5 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 23 |
| | | | | 11–27 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 8 | 7 | 2 | 2 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 31 |
| 0300 | 0 | 0 | 0 | 1–10 | 7 | 5 | 2 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 1 | 23 |
| | | | | 11–27 | 2 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 6 | 4 | 4 | 1 | 0 | 2 | 0 | 0 | 2 | 2 | 1 | 31 |
| 0600 | 0 | 0 | 0 | 1–10 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 2 | 0 | 1 | 0 | 5 | 23 |
| | | | | 11–27 | 2 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 5 | 3 | 3 | 1 | 1 | 2 | 0 | 2 | 0 | 5 | 31 |
| 0900 | 0 | 0 | 0 | 1–10 | 8 | 4 | 7 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 23 |
| | | | | 11–27 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 6 | 8 | 2 | 0 | 0 | 0 | 6 | 2 | 1 | 0 | 1 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 8 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 18 |
| | | | | 11–27 | 10 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 18 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 5 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11–27 | 13 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 18 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 31 |
| 1800 | 0 | 0 | 0 | 1–10 | 8 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11–27 | 8 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 18 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 7 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 31 |
| 2100 | 0 | 0 | 0 | 1–10 | 4 | 5 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 16 |
| | | | | 11–27 | 5 | 5 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 10 | 4 | 4 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 31 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## EL ARISH — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 314 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 22 | 0 | 0 | 1-10 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 1 | 0 | 2 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 1 | 0 | 2 | 9 |
| 0300 | 22 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 2 | 0 | 0 | 2 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 2 | 0 | 0 | 2 | 9 |
| 0600 | 11 | 0 | 0 | 1-10 | 3 | 2 | 2 | 0 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 4 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 2 | 0 | 1 | 2 | 1 | 0 | 1 | 3 | 1 | 4 | 20 |
| 0900 | 0 | 0 | 0 | 1-10 | 12 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 13 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 28 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 6 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 12 | 28 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 12 | 31 |
| 1800 | 3 | 0 | 0 | 1-10 | 11 | 4 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 3 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 4 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 3 | 28 |
| 2100 | 20 | 0 | 0 | 1-10 | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 2 | 3 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 2 | 3 | 11 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABU SUEIR (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 18 | 0 | 0 | 1-10 | 1 | 1 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 12 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 4 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 13 |
| 0300 | 22 | 0 | 0 | 1-10 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 8 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 9 |
| 0600 | 9 | 0 | 0 | 1-10 | 4 | 2 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 16 |
| | | | | 11-27 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 |
| | | | | 28-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 5 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 22 |
| 0900 | 6 | 0 | 0 | 1-10 | 1 | 5 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 17 |
| | | | | 11-27 | 0 | 2 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 7 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 25 |
| 1200 | 6 | 0 | 0 | 1-10 | 1 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 13 |
| | | | | 11-27 | 3 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 12 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 25 |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 6 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 14 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 7 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 1 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 13 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 31 |
| 2100 | 8 | 0 | 0 | 1-10 | 3 | 5 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 22 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 5 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 23 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## CAIRO (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 0 | 1–10 | 2 | 5 | 10 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 26 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 5 | 10 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 26 |
| 0300 | 4 | 0 | 0 | 1–10 | 3 | 2 | 9 | 6 | 2 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 26 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 10 | 6 | 2 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 27 |
| 0600 | 2 | 0 | 0 | 1–10 | 2 | 6 | 7 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 23 |
| | | | | 11–27 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 6 | 11 | 6 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 29 |
| 0900 | 0 | 0 | 0 | 1–10 | 6 | 4 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 25 |
| | | | | 11–27 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 6 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 15 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 26 |
| | | | | 11–27 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 4 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 19 |
| | | | | 11–27 | 2 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 12 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 31 |
| 1800 | 1 | 0 | 0 | 1–10 | 2 | 10 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 22 |
| | | | | 11–27 | 1 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 10 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 30 |
| 2100 | 2 | 0 | 0 | 1–10 | 2 | 11 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 26 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 11 | 9 | 4 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 29 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALMAZA (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1-10 | 2 | 0 | 13 | 6 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 26 |
| | | | | 11-27 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 14 | 8 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 31 |
| 0300 | 1 | 0 | 0 | 1-10 | 1 | 4 | 11 | 4 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 28 |
| | | | | 11-27 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 5 | 11 | 5 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 30 |
| 0600 | 1 | 0 | 0 | 1-10 | 3 | 11 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 11 | 1 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 7 | 0 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17 |
| | | | | 11-27 | 0 | 3 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 9 | 7 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 2 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 |
| | | | | 11-27 | 1 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 14 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 8 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |
| | | | | 11-27 | 0 | 7 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 7 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 2 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 4 | 16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | All speeds | 2 | 8 | 19 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 2100 | 0 | 0 | 0 | 1-10 | 0 | 3 | 6 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 16 |
| | | | | 11-27 | 0 | 1 | 8 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 4 | 14 | 8 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 31 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABBASIYA (H.Q.) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 1 | 1-10 | 9 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 25 |
| 0300 | 6 | 0 | 0 | 1-10 | 11 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 1 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 1 | 25 |
| 0600 | 0 | 0 | 0 | 1-10 | 5 | 12 | 4 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 3 | 30 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 12 | 5 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 3 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 6 | 12 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 1 | 29 |
| | | | | 11-27 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 13 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 1 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 12 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 30 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 26 |
| | | | | 11-27 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 31 |
| 1800 | 4 | 0 | 0 | 1-10 | 7 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 23 |
| | | | | 11-27 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 14 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 27 |
| 2100 | 1 | 0 | 0 | 1-10 | 12 | 9 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 28 |
| | | | | 11-27 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 10 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 30 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MOSTAFA HELMI (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 4 | 2 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 19 |
| | | | | 11-27 | 2 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 6 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 30 |
| 0300 | 1 | 0 | 0 | 1-10 | 5 | 7 | 1 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| | | | | 11-27 | 2 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 12 | 3 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 0600 | 0 | 0 | 0 | 1-10 | 1 | 4 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 5 | 8 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 9 | 9 | 5 | 3 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 3 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 12 |
| | | | | 11-27 | 0 | 4 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 10 | 7 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 31 |
| 1200 | 1 | 0 | 0 | 1-10 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 |
| | | | | 11-27 | 3 | 6 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 9 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 30 |
| 1500 | 1 | 0 | 0 | 1-10 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| | | | | 11-27 | 4 | 8 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 26 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 9 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 30 |
| 1800 | 1 | 0 | 0 | 1-10 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 11-27 | 3 | 9 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 11 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 30 |
| 2100 | 1 | 0 | 0 | 1-10 | 1 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 10 |
| | | | | 11-27 | 3 | 5 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 9 | 13 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 30 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**GIZA — MAY 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 1 | 1 | 1-10 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 | 24 |
| 0300 | 3 | 0 | 0 | 1-10 | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 8 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 8 | 28 |
| 0600 | 4 | 0 | 0 | 1-10 | 3 | 12 | 4 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 4 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 12 | 4 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 4 | 27 |
| 0900 | 1 | 0 | 0 | 1-10 | 2 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 5 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 5 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 11 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 10 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 29 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 31 |
| 1800 | 2 | 0 | 0 | 1-10 | 8 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 29 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 29 |
| 2100 | 2 | 0 | 0 | 1-10 | 6 | 11 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 29 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 11 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 29 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MINYA (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 16 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 28 |
| 0300 | 1 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 13 | 19 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 21 | 30 |
| 0600 | 3 | 0 | 0 | 1-10 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 14 |
| | | | | 11-27 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 28 |
| 0900 | 0 | 0 | 0 | 1-10 | 5 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 7 | 18 |
| | | | | 11-27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 12 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 2 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 4 | 13 |
| | | | | 11-27 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 1 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 11 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 14 |
| | | | | 11-27 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 9 | 31 |
| 1800 | 3 | 0 | 0 | 1-10 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 20 |
| | | | | 11-27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 28 |
| 2100 | 4 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 7 | 14 |
| | | | | 11-27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 12 | 27 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ASYOUT (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 7 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 5 | 4 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 11 | 5 | 5 | 24 |
| 0300 | 6 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 11 | 9 | 0 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 11 | 9 | 0 | 25 |
| 0600 | 6 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 1 | 7 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 1 | 9 | 25 |
| 0900 | 1 | 0 | 0 | 1–10 | 3 | 0 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 3 | 6 | 9 | 26 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 4 | 6 | 12 | 30 |
| 1200 | 1 | 0 | 0 | 1–10 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 11 | 19 |
| | | | | 11–27 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 15 | 30 |
| 1500 | 1 | 0 | 0 | 1–10 | 6 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 10 | 19 |
| | | | | 11–27 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 18 | 30 |
| 1800 | 8 | 0 | 0 | 1–10 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 5 | 10 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 5 | 11 | 23 |
| 2100 | 8 | 0 | 0 | 1–10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 6 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 7 | 23 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## LUXOR (A) — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 15 | 0 | 0 | 1–10 | 5 | 2 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 2 | 14 |
| | | | | 11–27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 2 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 2 | 16 |
| 0300 | 17 | 0 | 0 | 1–10 | 2 | 3 | 0 | 0 | 2 | 0 | 5 | 0 | 1 | 0 | 1 | 0 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 0 | 0 | 2 | 0 | 5 | 0 | 1 | 0 | 1 | 0 | 14 |
| 0600 | 12 | 0 | 0 | 1–10 | 6 | 2 | 0 | 0 | 0 | 3 | 0 | 1 | 2 | 0 | 3 | 2 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 2 | 0 | 0 | 0 | 3 | 0 | 1 | 2 | 0 | 3 | 2 | 19 |
| 0900 | 2 | 0 | 1 | 1–10 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 7 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 2 | 9 | 28 |
| 1200 | 2 | 0 | 0 | 1–10 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 8 | 20 |
| | | | | 11–27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 4 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 12 | 29 |
| 1500 | 1 | 0 | 0 | 1–10 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 15 | 22 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 20 | 30 |
| 1800 | 8 | 0 | 0 | 1–10 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 8 | 3 | 19 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 8 | 4 | 23 |
| 2100 | 11 | 0 | 0 | 1–10 | 2 | 0 | 1 | 2 | 0 | 2 | 3 | 2 | 0 | 0 | 3 | 1 | 16 |
| | | | | 11–27 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 2 | 2 | 0 | 2 | 3 | 2 | 0 | 0 | 3 | 2 | 20 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ASWAN — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 17 | 0 | 1 | 1–10 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 0300 | 22 | 0 | 0 | 1–10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 0600 | 18 | 0 | 0 | 1–10 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 0900 | 8 | 0 | 0 | 1–10 | 9 | 6 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 |
| | | | | 11–27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 7 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 23 |
| 1200 | 5 | 0 | 1 | 1–10 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 22 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 25 |
| 1500 | 7 | 0 | 0 | 1–10 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 2 | 24 |
| 1800 | 6 | 0 | 0 | 1–10 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 20 |
| | | | | 11–27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 25 |
| 2100 | 17 | 0 | 0 | 1–10 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**SIWA — MAY 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 0 | 1–10 | 3 | 0 | 5 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| | | | | 11–27 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 5 | 16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 0300 | 6 | 0 | 0 | 1–10 | 0 | 2 | 2 | 10 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 18 |
| | | | | 11–27 | 0 | 1 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 3 | 14 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 25 |
| 0600 | 3 | 0 | 0 | 1–10 | 1 | 0 | 5 | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 21 |
| | | | | 11–27 | 0 | 1 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 5 | 9 | 9 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 28 |
| 0900 | 0 | 0 | 0 | 1–10 | 0 | 4 | 0 | 5 | 4 | 2 | 6 | 0 | 3 | 0 | 0 | 0 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 4 | 0 | 6 | 6 | 4 | 7 | 0 | 3 | 0 | 0 | 1 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 1 | 4 | 1 | 4 | 3 | 0 | 3 | 1 | 2 | 0 | 1 | 1 | 21 |
| | | | | 11–27 | 1 | 1 | 1 | 0 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 2 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 5 | 2 | 4 | 5 | 0 | 4 | 2 | 2 | 1 | 1 | 3 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 4 | 2 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 2 | 15 |
| | | | | 11–27 | 3 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 2 | 7 | 5 | 0 | 3 | 0 | 0 | 1 | 1 | 3 | 2 | 31 |
| 1800 | 2 | 0 | 0 | 1–10 | 1 | 1 | 3 | 9 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 21 |
| | | | | 11–27 | 1 | 3 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 4 | 9 | 4 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 29 |
| 2100 | 7 | 0 | 0 | 1–10 | 4 | 0 | 0 | 7 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 16 |
| | | | | 11–27 | 0 | 1 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 6 | 8 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 24 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## BAHARIYA — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 8 | 0 | 0 | 1-10 | 3 | 8 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 11 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 0300 | 12 | 0 | 0 | 1-10 | 7 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 0600 | 8 | 0 | 0 | 1-10 | 4 | 9 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 10 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 0900 | 4 | 0 | 0 | 1-10 | 5 | 6 | 5 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 21 |
| | | | | 11-27 | 0 | 1 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 7 | 7 | 2 | 2 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 27 |
| 1200 | 1 | 0 | 0 | 1-10 | 5 | 6 | 5 | 1 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 22 |
| | | | | 11-27 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 7 | 7 | 3 | 1 | 0 | 3 | 0 | 0 | 1 | 0 | 2 | 30 |
| 1500 | 3 | 0 | 0 | 1-10 | 4 | 7 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 20 |
| | | | | 11-27 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 10 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 2 | 28 |
| 1800 | 7 | 0 | 0 | 1-10 | 3 | 7 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 18 |
| | | | | 11-27 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 7 | 6 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 24 |
| 2100 | 6 | 0 | 0 | 1-10 | 7 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 18 |
| | | | | 11-27 | 0 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 8 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 25 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DAKHLA—MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1–10 | 2 | 2 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 5 | 3 | 3 | 23 |
| | | | | 11–27 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 6 |
| | | | | 28–47 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **6** | **1** | **3** | **1** | **0** | **1** | **2** | **1** | **5** | **5** | **3** | **30** |
| 0300 | 2 | 0 | 0 | 1–10 | 2 | 2 | 1 | 1 | 1 | 2 | 4 | 1 | 3 | 4 | 2 | 0 | 23 |
| | | | | 11–27 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **2** | **3** | **1** | **1** | **2** | **4** | **2** | **3** | **4** | **3** | **1** | **29** |
| 0600 | 2 | 0 | 0 | 1–10 | 1 | 4 | 4 | 4 | 0 | 1 | 3 | 0 | 0 | 1 | 2 | 2 | 22 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **4** | **4** | **4** | **0** | **1** | **3** | **0** | **0** | **1** | **3** | **6** | **29** |
| 0900 | 0 | 0 | 0 | 1–10 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 3 | 10 |
| | | | | 11–27 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 8 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **3** | **2** | **2** | **1** | **2** | **1** | **1** | **0** | **1** | **1** | **11** | **31** |
| 1200 | 2 | 0 | 0 | 1–10 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 2 | 11 |
| | | | | 11–27 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 8 | 18 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **6** | **2** | **0** | **0** | **0** | **0** | **1** | **0** | **3** | **3** | **10** | **29** |
| 1500 | 0 | 0 | 0 | 1–10 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 10 |
| | | | | 11–27 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 12 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **3** | **1** | **1** | **0** | **0** | **0** | **0** | **1** | **2** | **2** | **14** | **31** |
| 1800 | 0 | 0 | 0 | 1–10 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 8 | 19 |
| | | | | 11–27 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **10** | **3** | **2** | **1** | **0** | **0** | **0** | **0** | **0** | **2** | **3** | **10** | **31** |
| 2100 | 1 | 0 | 0 | 1–10 | 0 | 3 | 2 | 0 | 0 | 1 | 3 | 0 | 0 | 2 | 6 | 5 | 22 |
| | | | | 11–27 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **5** | **2** | **1** | **0** | **1** | **3** | **0** | **0** | **2** | **7** | **5** | **30** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## HURGHADA — MAY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1–10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 12 |
| | | | | 11–27 | 5 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 5 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 6 | 10 | 29 |
| 0300 | 1 | 0 | 0 | 1–10 | 2 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 5 | 11 |
| | | | | 11–27 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 7 | 17 |
| | | | | 28–47 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 12 | 30 |
| 0600 | 0 | 0 | 0 | 1–10 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 7 |
| | | | | 11–27 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 10 | 22 |
| | | | | 28–47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 1 | 12 | 31 |
| 0900 | 0 | 0 | 0 | 1–10 | 3 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 11–27 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| | | | | 28–47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 12 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 1 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11–27 | 8 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| | | | | 28–47 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 14 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 3 | 3 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 12 |
| | | | | 11–27 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 6 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 31 |
| 1800 | 1 | 0 | 1 | 1–10 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 1 | 4 | 12 |
| | | | | 11–27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 2 | 15 | 29 |
| 2100 | 1 | 0 | 0 | 1–10 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 6 | 16 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 17 | 30 |

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A)—0000 U.T.—MAY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N. | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 26 | 964mb. | 972mb. | 958mb. | 26 | 15.9 | 21.3 | 11.3 | 26 | 6.3 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 26 | 1459 | 1506 | 1388 | 26 | 14.2 | 19.6 | 8.6 | 26 | 1.4 |
| 700 ... ... ... ... | 26 | 3066 | 3167 | 2961 | 26 | 3.1 | 7.8 | — 2.0 | 26 | — 8.5 |
| 600 ... ... ... ... | 26 | 4293 | 4395 | 4169 | 26 | — 5.5 | — 0.1 | — 9.7 | 25 | —16.6 |
| 500 ... ... ... ... | 26 | 5697 | 5800 | 5548 | 26 | —14.7 | — 9.8 | —19.4 | 25 | —26.7 |
| 400 ... ... ... ... | 26 | 7345 | 7458 | 7167 | 26 | —26.8 | —22.2 | —32.0 | 26 | —38 6 |
| 300 ... ... ... ... | 25 | 9349 | 9490 | 9124 | 25 | —42.1 | —38.0 | —48.7 | 22 | —52.4 |
| 200 ... ... ... ... | 24 | 11996 | 12179 | 11742 | 24 | —55.5 | —49.7 | —59.4 | — | — |
| 150 ... ... ... ... | 22 | 13840 | 14021 | 13688 | 22 | —56.4 | —52.5 | —61.6 | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A)—1200 U.T —MAY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N. | Mean | Highest | Lowest | N. | Mean | Highest | Lowest | N. | Mean |
| Surface ... ... ... | 30 | 964mb. | 971mb. | 957mb. | 30 | 28.3 | 33.0 | 22.2 | 30 | 4.1 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 30 | 1478 | 1528 | 1400 | 30 | 17.6 | 21.5 | 9.6 | 30 | 5.2 |
| 700 ... ... ... ... | 30 | 3089 | 3142 | 2968 | 30 | 4.3 | 7.9 | — 3.5 | 30 | —12.6 |
| 600 ... ... ... ... | 30 | 4324 | 4394 | 4174 | 30 | — 2.3 | 3.4 | — 9.9 | 28 | —17.0 |
| 500 ... ... ... ... | 29 | 5733 | 5810 | 5552 | 29 | —13.0 | — 8.2 | —18.0 | 26 | —26.3 |
| 400 ... ... ... ... | 29 | 7391 | 7514 | 7178 | 29 | —25.6 | —20.9 | —30.4 | 25 | —38.5 |
| 300 ... ... ... ... | 28 | 9407 | 9551 | 9155 | 28 | —41.1 | —36.8 | —48.7 | 21 | —52.2 |
| 200 ... ... ... ... | 23 | 12033 | 12190 | 11810 | 23 | —55.3 | —48.6 | —60.9 | — | — |
| 150 ... ... ... ... | 21 | 13848 | 14030 | 13690 | 21 | —56.6 | —50.3 | —65.8 | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.— UPPER AIR CLIMATOLOGICAL DATA

### MERSA MATRUH (A) — 0000 U.T. — MAY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... .. | 25 | 1006mb | 1016mb | 1004mb | 25 | 18.0 | 24·2 | 14·0 | 25 | 14.1 |
| 1000 ... ... ... .. | 25 | 100 | 177 | 76 | 23 | 18.0 | 24·0 | 15·0 | 22 | 12·9 |
| 850 ... ... ... ... | 24 | 1487 | 1539 | 1439 | 23 | 15.3 | 20·3 | 11·0 | 20 | 2·2 |
| 700 ... ... ... ... | 25 | 3108 | 3154 | 3037 | 25 | 5·9 | 10·8 | 0·7 | 17 | — 3.6 |
| 600 ... ... ... ... | 25 | 4350 | 4460 | 4270 | 25 | — 3·3 | 1·5 | — 7·6 | 15 | —10.3 |
| 500 ... ... ... ... | 24 | 5762 | 5844 | 5678 | 24 | —13·4 | — 9·0 | —17·2 | 11 | —21.8 |
| 400 ... ... ... ... | 22 | 7419 | 7532 | 7315 | 22 | —26·1 | —20·9 | —29·7 | 5 | —35·6 |
| 300 ... ... ... ... | 15 | 9473 | 9850 | 9336 | 15 | —41·0 | —36·5 | —44·9 | — | — |
| 200 ... ... ... ... | 3 | 12076 | 12139 | 11965 | 3 | —58.6 | —58.0 | —59.2 | — | — |
| 150 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

### MERSA MATRUH (A) — 1200 U.T. — MAY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 27 | 1007mb | 1015mb | 1003mb | 27 | 24·0 | 31·7 | 20·5 | 27 | 14·3 |
| 1000 ... ... ... ... | 27 | 108 | 196 | 77 | 27 | 24·0 | 31·2 | 19·2 | 27 | 14·1 |
| 850 ... ... ... ... | 27 | 1506 | 1564 | 1460 | 27 | 17.3 | 26.2 | 10.0 | 24 | 14·2 |
| 700 ... ... ... ... | 27 | 3136 | 3232 | 3075 | 27 | 7·2 | 14·4 | 3·1 | 21 | — 5·2 |
| 600 ... ... ... ... | 27 | 4387 | 4520 | 4313 | 27 | — 1·3 | 7·0 | — 5·9 | 17 | —11.5 |
| 500 ... ... ... ... | 25 | 5813 | 5995 | 5732 | 25 | —11·8 | — 2·2 | —17·5 | 9 | —20·6 |
| 400 ... ... ... ... | 23 | 7491 | 7718 | 7384 | 23 | —23·7 | —13·5 | —28·5 | 6 | —31·5 |
| 300 ... ... ... ... | 16 | 9554 | 9846 | 9386 | 16 | —39·4 | —28.3 | —45·8 | — | — |
| 200 ... ... ... ... | 5 | 12321 | 12652 | 12177 | 5 | —55.2 | —44.7 | —62.4 | — | — |
| 150 ... ... ... ... | 2 | 14028 | 14038 | 14019 | 2 | —57·4 | —55·6 | —59·1 | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 0000 U.T. — MAY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 31 | 1005mb. | 1014mb. | 999mb | 31 | 20·3 | 28·5 | 15·2 | 31 | 12·6 |
| 1000 ... ... ... ... | 30 | 169 | 187 | 79 | 30 | 19·5 | 26·6 | 14·3 | 30 | 11·8 |
| 850 ... ... ... ... | 30 | 1502 | 1547 | 1448 | 31 | 16·4 | 22·0 | 6·9 | 24 | 9·0 |
| 700 ... ... ... ... | 31 | 3128 | 3192 | 3046 | 31 | 6·3 | 12·0 | — 1·7 | 17 | — 5·3 |
| 600 ... ... ... ... | 31 | 4370 | 4448 | 4748 | 31 | — 2.1 | 3·1 | — 7·0 | 14 | —11.5 |
| 500 ... ... ... ... | 31 | 5795 | 5892 | 5680 | 31 | —12·0 | — 8·3 | —17·0 | 7 | —19.3 |
| 400 ... ... ... ... | 31 | 7462 | 7586 | 7310 | 31 | —24.9 | —21·5 | —31·1 | 5 | —33.1 |
| 300 ... ... ... ... | 27 | 9497 | 9640 | 9353 | 27 | —40·3 | —36·3 | —45·0 | — | — |
| 200 ... ... ... ... | 22 | 12162 | 12297 | 12054 | 22 | —56·3 | —51·0 | —60·9 | — | — |
| 150 ... ... ... ... | 13 | 13967 | 14116 | 13848 | 13 | —61.6 | —55.9 | —72.0 | — | — |
| 100 ... ... ... ... | 6 | 16415 | 16475 | 16350 | 6 | —65.9 | —62.3 | —69.2 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 1200 U.T. — MAY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1004mb. | 1011mb. | 1000mb. | 29 | 31·3 | 39·2 | 26·0 | 29 | 9·4 |
| 1000 ... ... ... ... | 29 | 100 | 166 | 70 | 29 | 30·9 | 38·7 | 25·3 | 29 | 9·0 |
| 850 ... ... ... ... | 29 | 1522 | 1572 | 1471 | 29 | 17.2 | 21·2 | 9.3 | 29 | 0·0 |
| 700 ... ... ... ... | 29 | 3149 | 3215 | 3065 | 29 | 7·4 | 11·5 | 3·0 | 17 | — 7·5 |
| 600 ... ... ... ... | 29 | 4397 | 4480 | 4300 | 29 | — 1.4 | 3·8 | — 5·2 | 14 | —12·5 |
| 500 ... ... ... ... | 28 | 5821 | 5923 | 5706 | 28 | —11.5 | — 6.6 | —17·2 | 10 | —20.7 |
| 400 ... ... ... ... | 28 | 7494 | 7620 | 7378 | 28 | —23·6 | —18·3 | —29·4 | 7 | —29.4 |
| 300 ... ... ... ... | 25 | 9533 | 9700 | 9360 | 25 | —39·1 | —35·0 | —42·9 | 3 | —43.2 |
| 200 ... ... ... ... | 19 | 12239 | 12394 | 12046 | 19 | —55·3 | —50·5 | —60.1 | — | — |
| 150 ... ... ... ... | 16 | 14048 | 14253 | 13825 | 16 | —61.6 | —54·7 | —69·7 | — | — |
| 100 ... ... ... ... | 8 | 16522 | 16645 | 16428 | 8 | —66.7 | —63·8 | —72·9 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 0000 U.T. — MAY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 25 | 994mb | 998mb | 989mb | 25 | 27.2 | 31.8 | 21.5 | 25 | 5.7 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 25 | 1477 | 1507 | 1442 | 25 | 22.5 | 27.7 | 16.6 | 9 | 1.2 |
| 700 ... ... ... ... | 25 | 3125 | 3180 | 3062 | 25 | 10.0 | 14.1 | 4.3 | 15 | — 5.7 |
| 600 ... ... ... ... | 25 | 4384 | 4418 | 4310 | 25 | 0.5 | 4.1 | — 3.8 | 12 | —10.3 |
| 500 ... ... ... ... | 25 | 5821 | 5879 | 5737 | 25 | — 9.7 | — 3.4 | —13.6 | 10 | —23.9 |
| 400 ... ... ... ... | 25 | 7506 | 7573 | 7405 | 25 | —22.3 | —19.3 | —28.0 | 5 | —35.1 |
| 300 ... ... ... ... | 25 | 9557 | 9639 | 9449 | 25 | —36.5 | —26.2 | —42.3 | 3 | —37.4 |
| 200 ... ... ... ... | 25 | 12261 | 12385 | 12110 | 25 | —54.1 | —48.6 | —59.0 | — | — |
| 150 ... ... ... ... | 25 | 14046 | 14200 | 13885 | 25 | —64.8 | —59.2 | —70.2 | — | — |
| 100 ... ... ... ... | 20 | 16467 | 16594 | 16313 | 20 | —75.9 | —67.8 | —83.0 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 1200 U.T. — MAY 1959

| Pressure surface (millibar) | Heights of pressurs surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 25 | 992mb | 998mb | 990mb | 25 | 40.7 | 45.5 | 32.7 | 25 | 3.0 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 25 | 1505 | 1527 | 1453 | 25 | 25.6 | 31.7 | 16.8 | 5 | — 2.4 |
| 700 ... ... ... ... | 25 | 3168 | 3214 | 3096 | 25 | 12.4 | 16.2 | 9.0 | 15 | — 8.6 |
| 600 ... ... ... ... | 25 | 4441 | 4499 | 4360 | 25 | 2.9 | 6.4 | — 0.8 | 9 | —11.3 |
| 500 ... ... ... ... | 25 | 5887 | 5962 | 5794 | 25 | — 7.3 | — 4.4 | —12.3 | 7 | —20.9 |
| 400 ... ... ... ... | 25 | 7579 | 7673 | 7458 | 25 | —20.4 | —16.9 | — 26.6 | 4 | —34.3 |
| 300 ... ... ... ... | 25 | 9649 | 9765 | 9474 | 25 | —35.5 | —30.4 | —41.4 | — | — |
| 200 ... ... ... ... | 24 | 12518 | 12525 | 12136 | 24 | —52.7 | —46.2 | —56.9 | — | — |
| 150 ... ... ... ... | 24 | 14197 | 14382 | 13944 | 24 | — 62.5 | —56.1 | —69.0 | — | — |
| 100 ... ... ... ... | 24 | 16614 | 16779 | 16377 | 24 | —74.8 | —67.6 | —80.1 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 0000 U.T. — MAY 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... ... | 3497 (26) | 666 (26) | —11.2 (24) | 4400 | — | — | 2815 | — | — | 12251 (22) | 194 ( 22 | —57.8 (22) | 16700 | — | — | 9850 | — | — | — | — | — | — |
| Mersa Matruh (A) ... ... ... ... ... ... ... | 3786 (24) | 638 (24) | —1.6 (15) | 4570 | 587 | — | 3130 | 692 | — | — | — | — | — | — | — | — | — | — | 10300 | — | 260 | 87 |
| Cairo (A) ... ... ... ... ... ... ... | 4101 (31) | 623 (31) | —9.4 (18) | 4770 | 572 | — | 3360 | 674 | — | 12886 (7) | 155 (7) | —60.3 (7) | 16475 | 100 | —67.3 | 11740 | 210 | —60.8 | 9700 | 290 | 260 | 143 |
| Aswan ... ... ... ... ... ... ... ... ... | 4539 (25) | 586 (25) | —9.2 (8) | 5730 | 522 | — | 4130 | 618 | —11.3 | 13961 (9) | 155 (9) | —65.5 (9) | 16538 | 100 | —72·7 | 11300 | 226 | —54.8 | 13400 | 168 | 280 | 111 |

N = Total number of observations.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 1200 U.T. — MAY 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) | 3751 (30) | 647 (30) | —12.8 (28) | 4790 | — | -- | 2525 | — | — | 11719 (20) | 212 (20) | —57.4 (20) | 13660 | — | — | 9730 | — | — | 12172 | 200 | 240 | 100 |
| Marsa Matruh (A) | 4150 (25) | 620 (25) | — 7.8 (14) | 4670 | 580 | — | 3620 | 654 | — | — | — | — | — | — | — | — | — | — | 11600 | — | 250 | 109 |
| Cairo (A) | 4194 (28) | 616 (28) | — 9.3 (13) | 5100 | 554 | — | 3500 | 668 | — | 12577 (9) | 184 (9) | —59.4 (9) | 14550 | 136 | —68.0 | 10620 | 188 | —62.0 | 12250 | 236 | 260 | 126 |
| Aswan | 4803 (25) | 575 (25) | —14.4 (5) | 5280 | 543 | — 9.4 | 4280 | 612 | — | 16716 (19) | 102 (19) | —73.7 (19) | 19220 | 65 | —72.4 | 13500 | 116 | —61.9 | 10050 | 284 | 280 | 159 |

N = Total number of observations.

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## ALEPPO (A) — 0000 U.T. — MAY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 2 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 8 | 7 | 8 | 0 | — | 0 | — | 9 | 23 | 5 |
| 1000 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... | 2 | 12 | 1 | 6 | 2 | 12 | 1 | 12 | 0 | — | 2 | 16 | 0 | — | 3 | 22 | 1 | 30 | 7 | 12 | 3 | 20 | 1 | 20 | 0 | 23 | 16 |
| 700 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 18 | 5 | 16 | 5 | 18 | 3 | 12 | 3 | 12 | 3 | 12 | 0 | 22 | 16 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 1 | 6 | 0 | — | 0 | — | 3 | 26 | 1 | 32 | 1 | 20 | 3 | 30 | 0 | — | 2 | 14 | 0 | 11 | 23 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 38 | 0 | — | 1 | 40 | 1 | 32 | 1 | 10 | 1 | 6 | 0 | 5 | 25 |
| 400 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 300 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 200 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 150 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

## ALEPPO (A) — 1200 U.T. — MAY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360) ° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 0 | — | 0 | — | 0 | — | 2 | 8 | 0 | — | 0 | — | 0 | — | 1 | 8 | 6 | 14 | 8 | 16 | 2 | 8 | 3 | 6 | 2 | 24 | 12 |
| 1000 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... | 0 | — | 2 | 10 | 1 | 4 | 0 | — | 0 | — | 0 | — | 1 | 10 | 0 | — | 9 | 20 | 11 | 16 | 3 | 10 | 0 | — | 2 | 29 | 15 |
| 700 ... ... | 2 | 12 | 0 | — | 0 | — | 1 | 4 | 0 | — | 1 | 8 | 3 | 12 | 2 | 24 | 7 | 20 | 9 | 16 | 3 | 12 | 1 | 16 | 0 | 29 | 16 |
| 600 ... ... | 2 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 20 | 1 | 2 | 2 | 28 | 11 | 24 | 3 | 22 | 7 | 24 | 0 | — | 0 | 27 | 22 |
| 500 ... ... | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 22 | 3 | 20 | 7 | 34 | 6 | 24 | 4 | 28 | 2 | 20 | 0 | 24 | 24 |
| 400 ... ... | 1 | 26 | 1 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 30 | 1 | 36 | 5 | 38 | 8 | 28 | 3 | 42 | 1 | 22 | 0 | 21 | 32 |
| 300 ... ... | 1 | 22 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 20 | 2 | 34 | 1 | 74 | 2 | 44 | 6 | 38 | 4 | 40 | 0 | — | 0 | 17 | 39 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 48 | 1 | 100 | 4 | 70 | 1 | 18 | 2 | 42 | 0 | 10 | 58 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 34 | — | — | 1 | 84 | 2 | 16 | 0 | — | 0 | 4 | 38 |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

**MERSA MATRUH (A) — 0000 U.T. — MAY 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000—360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345—014 | | 015—044 | | 045—074 | | 075—104 | | 105—134 | | 135—164 | | 165—194 | | 195—224 | | 225—254 | | 255—284 | | 285—314 | | 315—344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 2 | 7 | 1 | 7 | 1 | 7 | 1 | 2 | 1 | 4 | 2 | 12 | 0 | — | 0 | — | 2 | 6 | 1 | 1 | 1 | 8 | 6 | 8 | 7 | 25 | 4 |
| 1000 ... | 1 | 6 | 1 | 8 | 2 | 3 | 1 | 8 | 1 | 8 | 1 | 20 | 0 | — | 1 | 8 | 0 | — | 2 | 6 | 2 | 6 | 6 | 9 | 5 | 23 | 6 |
| 850 ... | 3 | 13 | 1 | 9 | 0 | — | 0 | — | 0 | — | 1 | 18 | 0 | — | 3 | 16 | 2 | 14 | 1 | 22 | 4 | 16 | 7 | 15 | 1 | 23 | 14 |
| 700 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 25 | 5 | 24 | 7 | 29 | 3 | 16 | 7 | 22 | 1 | 25 | 23 |
| 600 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 31 | 3 | 29 | 10 | 36 | 7 | 28 | 3 | 21 | 0 | 24 | 31 |
| 500 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 40 | 14 | 34 | 3 | 27 | 1 | 15 | 0 | 23 | 33 |
| 400 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 49 | 10 | 42 | 6 | 40 | 1 | 30 | 0 | 22 | 42 |
| 300 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 36 | 6 | 52 | 2 | 46 | 2 | 44 | 0 | 13 | 46 |
| 200 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 52 | 2 | 43 | 0 | — | 0 | — | 0 | 3 | 46 |
| 150 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

**MERSA MATRUH (A)—1200 U.T.—MAY 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 8 | 14 | 5 | 11 | 2 | 13 | 1 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 12 | 4 | 14 | 6 | 12 | 0 | 27 | 12 |
| 1000 ... ... | 6 | 12 | 8 | 13 | 1 | 12 | 0 | — | 0 | — | 0 | — | 1 | 12 | 0 | — | 0 | — | 1 | 12 | 2 | 8 | 7 | 12 | 0 | 26 | 12 |
| 850 ... ... | 1 | 4 | 3 | 11 | 0 | — | 1 | 8 | 0 | — | 0 | — | 0 | — | 1 | 13 | 2 | 24 | 6 | 16 | 4 | 14 | 7 | 10 | 0 | 25 | 14 |
| 700 ... ... | 2 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 23 | 5 | 37 | 6 | 28 | 9 | 23 | 3 | 27 | 0 | 27 | 26 |
| 600 ... ... | 0 | — | 0 | — | 1 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 38 | 6 | 43 | 11 | 25 | 3 | 26 | 0 | 27 | 32 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 31 | 11 | 30 | 5 | 35 | 3 | 32 | 0 | 25 | 32 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 35 | 10 | 33 | 5 | 40 | 2 | 37 | 0 | 23 | 35 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 39 | 6 | 56 | 4 | 47 | 1 | 46 | 0 | 15 | 48 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 66 | 2 | 60 | 0 | — | 1 | 31 | 0 | 4 | 54 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 50 | 0 | — | 1 | 40 | 0 | 2 | 45 |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## CAIRO (A). — 0000 U.T. — MAY 1959

| Pressure Surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 4 | 3 | 4 | 6 | 12 | 5 | 3 | 6 | 1 | 7 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 4 | 1 | 7 | 5 | 31 | 4 |
| 1000... ... | 1 | 7 | 6 | 7 | 15 | 10 | 3 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 8 | 0 | — | 4 | 30 | 8 |
| 850... ... | 11 | 16 | 3 | 23 | 2 | 20 | 0 | — | 1 | 9 | 1 | 17 | 0 | — | 0 | — | 0 | — | 4 | 20 | 4 | 13 | 5 | 16 | 0 | 31 | 16 |
| 700... ... | 2 | 32 | 1 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 26 | 4 | 14 | 11 | 28 | 5 | 21 | 7 | 20 | 0 | 31 | 23 |
| 600... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 7 | 5 | 35 | 12 | 26 | 7 | 22 | 6 | 28 | 0 | 31 | 28 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 34 | 14 | 32 | 6 | 50 | 5 | 32 | 2 | 30 | 33 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 47 | 10 | 34 | 5 | 53 | 5 | 34 | 2 | 29 | 37 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 53 | 10 | 56 | 4 | 52 | 2 | 38 | 0 | 20 | 53 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 50 | 3 | 52 | 1 | 85 | 1 | 104 | 0 | 7 | 64 |
| 150... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### CAIRO (A) — 1200 U.T. — MAY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 6 | 9 | 7 | 10 | 4 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 6 | 1 | 16 | 3 | 7 | 7 | 7 | 0 | 29 | 9 |
| 1000 ... ... | 6 | 9 | 7 | 12 | 4 | 13 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 12 | 2 | 10 | 7 | 8 | 0 | 28 | 10 |
| 850 ... ... | 2 | 18 | 6 | 13 | 4 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 17 | 1 | 17 | 3 | 11 | 5 | 11 | 6 | 10 | 0 | 28 | 12 |
| 700 ... ... | 6 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 3 | 5 | 30 | 6 | 18 | 3 | 38 | 7 | 18 | 0 | 28 | 21 |
| 600 ... ... | 1 | 31 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 6 | 5 | 34 | 7 | 29 | 11 | 28 | 3 | 29 | 0 | 28 | 29 |
| 500 ... ... | 1 | 47 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 38 | 8 | 31 | 11 | 31 | 1 | 45 | 0 | 27 | 33 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 70 | 4 | 35 | 13 | 40 | 6 | 50 | 2 | 65 | 0 | 26 | 45 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 54 | 3 | 43 | 8 | 60 | 9 | 54 | 2 | 60 | 0 | 23 | 55 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 89 | 1 | 78 | 3 | 93 | 4 | 74 | 0 | — | 0 | 9 | 82 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 67 | 1 | 81 | 1 | 54 | 0 | — | 0 | 3 | 67 |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## ASWAN— 0000 U.T. — MAY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 10 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 6 | 13 | 25 | 3 |
| 1000... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850... ... | 8 | 16 | 6 | 11 | 3 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 9 | 1 | 4 | 1 | 14 | 1 | 22 | 4 | 18 | 0 | 25 | 14 |
| 700... ... | 5 | 13 | 1 | 12 | 1 | 5 | 0 | — | 0 | — | 0 | — | 1 | 5 | 0 | — | 2 | 6 | 5 | 15 | 6 | 16 | 3 | 29 | 1 | 25 | 15 |
| 600... ... | 2 | 6 | 1 | 18 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 16 | 5 | 24 | 5 | 25 | 8 | 22 | 1 | 25 | 20 |
| 500... ... | 2 | 28 | 0 | — | 1 | 13 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 17 | 5 | 25 | 13 | 30 | 2 | 14 | 1 | 25 | 25 |
| 400... ... | 0 | — | 1 | 13 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 14 | 2 | 34 | 6 | 34 | 11 | 30 | 4 | 32 | 0 | 25 | 30 |
| 300... ... | 4 | 30 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 41 | 7 | 46 | 9 | 44 | 2 | 44 | 0 | 25 | 42 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 49 | 11 | 53 | 5 | 53 | 2 | 26 | 0 | 22 | 50 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 50 | 3 | 34 | 6 | 52 | 2 | 48 | 1 | 23 | 0 | 15 | 46 |
| 100... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 34 | 2 | 40 | 4 | 59 | 0 | — | 0 | — | 0 | 7 | 50 |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

**TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES**

**ASWAN. — 1200 U.T. — MAY 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 9 | 7 | 2 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 6 | 1 | 4 | 0 | — | 2 | 8 | 0 | — | 7 | 8 | 3 | 25 | 6 |
| 1000... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850... ... | 5 | 13 | 1 | 8 | 2 | 20 | 1 | 3 | 1 | 9 | 1 | 5 | 0 | — | 1 | 2 | 0 | — | 3 | 8 | 3 | 12 | 7 | 11 | 0 | 25 | 10 |
| 700... ... | 4 | 16 | 0 | — | 0 | — | 0 | — | 2 | 4 | 0 | — | 2 | 4 | 0 | — | 2 | 6 | 4 | 28 | 6 | 13 | 5 | 21 | 0 | 25 | 15 |
| 600... ... | 1 | 12 | 2 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 4 | 1 | 8 | 3 | 9 | 3 | 24 | 6 | 20 | 7 | 22 | 1 | 25 | 17 |
| 500... ... | 0 | — | 2 | 24 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 8 | 22 | 12 | 30 | 3 | 15 | 0 | 25 | 25 |
| 400... ... | 0 | — | 2 | 35 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 11 | 11 | 27 | 8 | 30 | 3 | 30 | 0 | 25 | 28 |
| 300... ... | 3 | 29 | 1 | 38 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 32 | 10 | 40 | 6 | 48 | 2 | 46 | 0 | 25 | 40 |
| 200... ... | 1 | 28 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 41 | 3 | 41 | 8 | 51 | 5 | 51 | 2 | 24 | 0 | 20 | 45 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 13 | 0 | — | 0 | — | 1 | 42 | 4 | 37 | 6 | 46 | 6 | 46 | 0 | — | 0 | 18 | 42 |
| 100... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 28 | 5 | 18 | 4 | 38 | 4 | 30 | 0 | — | 0 | 15 | 28 |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

### MAY 1959

This month was changeable and dry in general as compared with the normal temperature and rainfall values for May respectively. The mean air temperature at 2 metres above ground was slightly above normal (+0.7° C) and the mean relative humidity was slightly below normal (—2%). Three remarkable heat waves were experienced this month with their peaks on the 13th, 28th and 31st; the second of which was the excessive (39.6°C.) Traces of rain fell on both the 12th and 15th. It is noteworthy that since May 1956, this month acquired the highest absolute values of the maximum air temperature, the mean air temperature, the mean wind speed at 2metres and the Piche evaporation at 2 metres together with the lowest absolute mean relative humidity.

The extreme maximum soil temperature in the dry field was less than last year by 3°C at a depth of 0.3 cms and by 1°C. at a depth of 20 cms. The difference was negligible in deeper layers. The extreme minimum temperature in the same field at a depth of 0.3 cm. was more than last year by 2°C.

For the month as a whole, the mean wind speed for the day at 2 metres above ground (3.1 m/sec.) was higher than the corresponding value (2.7 m/sec.) for last May. The total duration of bright sunshine was 17 hours less and the total (Solar+Sky) radiation was 1000 gm. calories/cm.$^2$ less than the corresponding values of last May.

## TABLE C 1.—AIR TEMPERATURE AT 2 METRES ABOVE GROUND ; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5 cms. ABOVE GROUND ON DIFFERENT FIELDS

## GIZA — MAY 1959.

| Date | Air temperature (°C) | | | | | Duration in hours of air temperature above the following values | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Mean of the day | Night time mean | Day time mean | —5 °C | 0 °C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C |
| 1 | 27.3 | 10.5 | 18.3 | 16 | 21 | 24 | 24 | 24 | 24 | 17 | 10 | 4 | 0 | 0 | 0 | 0 |
| 2 | 29.5 | 14.2 | 21.1 | 17 | 24 | 24 | 24 | 24 | 24 | 23 | 13 | 7 | 0 | 0 | 0 | 0 |
| 3 | 30.8 | 15.8 | 21.6 | 19 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 7 | 0 | 0 | 0 | 0 |
| 4 | 32.4 | 12.6 | 21.6 | 18 | 25 | 24 | 24 | 24 | 24 | 19 | 14 | 9 | 4 | 0 | 0 | 0 |
| 5 | 30.7 | 16.0 | 21.8 | 19 | 24 | 24 | 24 | 24 | 24 | 24 | 14 | 7 | 0 | 0 | 0 | 0 |
| 6 | 29.2 | 15.8 | 21.3 | 19 | 23 | 24 | 24 | 24 | 24 | 24 | 12 | 7 | 0 | 0 | 0 | 0 |
| 7 | 27.7 | 14.9 | 20.4 | 19 | 23 | 24 | 24 | 24 | 24 | 24 | 12 | 6 | 0 | 0 | 0 | 0 |
| 8 | 27.4 | 14.3 | 19.8 | 18 | 22 | 24 | 24 | 24 | 24 | 23 | 11 | 4 | 0 | 0 | 0 | 0 |
| 9 | 28.3 | 13.8 | 20.9 | 17 | 23 | 24 | 24 | 24 | 24 | 22 | 14 | 7 | 0 | 0 | 0 | 0 |
| 10 | 29.0 | 15.2 | 21.9 | 20 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 8 | 0 | 0 | 0 | 0 |
| 11 | 34.2 | 14.6 | 25.0 | 21 | 28 | 24 | 24 | 24 | 24 | 24 | 15 | 7 | 0 | 0 | 0 | 0 |
| 12 | 37.2 | 15.4 | 26·6 | 23 | 30 | 24 | 24 | 24 | 24 | 24 | 17 | 16 | 11 | 4 | 0 | 0 |
| 13 | 38.3 | 20.5 | 29.8 | 27 | 33 | 24 | 24 | 24 | 24 | 24 | 24 | 17 | 16 | 8 | 0 | 0 |
| 14 | 34.5 | 19.6 | 26.1 | 27 | 29 | 24 | 24 | 24 | 24 | 24 | 23 | 13 | 8 | 0 | 0 | 0 |
| 15 | 35.4 | 17.2 | 25.1 | 23 | 28 | 24 | 24 | 24 | 24 | 24 | 19 | 13 | 7 | 0 | 0 | 0 |
| 16 | 28.7 | 20.7 | 24.8 | 24 | 26 | 24 | 24 | 24 | 24 | 24 | 24 | 12 | 0 | 0 | 0 | 0 |
| 17 | 33.2 | 18.2 | 24.2 | 22 | 28 | 24 | 24 | 24 | 24 | 24 | 19 | 10 | 5 | 0 | 0 | 0 |
| 18 | 33.4 | 13.9 | 23.6 | 19 | 26 | 24 | 24 | 24 | 24 | 22 | 16 | 10 | 5 | 0 | 0 | 0 |
| 19 | 29.5 | 16.0 | 21.9 | 22 | 24 | 24 | 24 | 24 | 24 | 24 | 17 | 8 | 0 | 0 | 0 | 0 |
| 20 | 31.8 | 16·2 | 23.8 | 20 | 26 | 24 | 24 | 24 | 24 | 24 | 17 | 11 | 0 | 0 | 0 | 0 |
| 21 | 33.7 | 17·6 | 25.9 | 23 | 29 | 24 | 24 | 24 | 24 | 24 | 20 | 13 | 8 | 0 | 0 | 0 |
| 22 | 32.0 | 17.4 | 24.2 | 22 | 27 | 24 | 24 | 24 | 24 | 24 | 19 | 11 | 5 | 0 | 0 | 0 |
| 23 | 32.8 | 16.6 | 24.3 | 22 | 27 | 24 | 24 | 24 | 24 | 24 | 19 | 11 | 5 | 0 | 0 | 0 |
| 24 | 33.8 | 16.8 | 24.8 | 23 | 28 | 24 | 24 | 24 | 24 | 24 | 20 | 12 | 7 | 0 | 0 | 0 |
| 25 | 35.9 | 15.4 | 25.3 | 22 | 29 | 24 | 24 | 24 | 24 | 24 | 20 | 13 | 8 | 1 | 0 | 0 |
| 26 | 35.2 | 17.4 | 25.6 | 23 | 29 | 24 | 24 | 24 | 24 | 24 | 20 | 13 | 8 | 0 | 0 | 0 |
| 27 | 35.9 | 18.8 | 26.6 | 23 | 30 | 24 | 24 | 24 | 24 | 24 | 20 | 14 | 9 | 0 | 0 | 0 |
| 28 | 39.6 | 21.8 | 29.4 | 25 | 33 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 10 | 6 | 0 | 0 |
| 29 | 32.0 | 18.4 | 24.3 | 24 | 27 | 24 | 24 | 24 | 24 | 24 | 21 | 11 | 4 | 0 | 0 | 0 |
| 30 | 33.6 | 16.8 | 25.1 | 22 | 27 | 24 | 24 | 24 | 24 | 24 | 18 | 14 | 6 | 0 | 0 | 0 |
| 31 | 38·9 | 17.8 | 28.7 | 25 | 32 | 24 | 24 | 24 | 24 | 24 | 20 | 15 | 11 | 7 | 0 | 0 |
| Total ... | — | — | — | — | — | 744 | 744 | 744 | 744 | 726 | 540 | 325 | 137 | 26 | 0 | 0 |
| Mean ... | 32.6 | 16.5 | 24.0 | 21.4 | 26.7 | 24 | 24 | 24 | 24 | 23·4 | 17.4 | 10.5 | 4.4 | 0.8 | 0 | 0 |

Highest maximum at 2 metres 39.6 °C on 28 th. Highest minimum at 2 metres 21.8 °C on 28 th.
Lowest „ „ „ 27.3 °C on 1 st. Lowest „ „ 2 „ 10.5 °C on 1 st.
Absolute minimum temperature at 5 cms. above dry soil 8.6 °C on 1 st
„ „ „ „ „ wet „ 8.7 °C „ 1 st
„ „ „ „ „ grass 6.7 °C „ 1 st

## TABLE C 2.—WIND SPEED, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, (SOLAR + SKY) RADIATION, SUNSHINE DURATION, EVAPORATION AND RAINFALL

### GIZA—MAY 1959

| Date | Wind speed metres per second | | | Solar + sky radiation gm. cal./cm² | Duration of bright sunshine in hours | | | Relative humidity hours of duration | | Relative humidity % | | Vapour pressure in millimetres | | Evaporation in millimetres | | Amount of rainfall in millimetres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean of the day | Night time mean | Day time mean | | Total actual | Total possible | Percentage % | > 90% | > 80% | Mean of the day | at 1200 U.T. | Mean of the day | at 1200 U.T. | Piche | Pan class (A) | |
| 1 | 3.1 | 2.3 | 4.2 | 578 | 10.9 | 13.3 | 82 | 2 | 5 | 63 | 37 | 9.7 | 8.3 | 14·0 | 9.43 | 0 |
| 2 | 3.7 | 2.9 | 4.8 | 590 | 11.2 | 13.3 | 84 | 1 | 7 | 56 | 28 | 9.6 | 8.3 | 16.3 | 10.86 | 0 |
| 3 | 3.8 | 3.4 | 4.3 | 593 | 10.9 | 13.4 | 81 | 6 | 9 | 62 | 31 | 10.3 | 9.5 | 16.4 | 11.31 | 0 |
| 4 | 2.7 | 2.3 | 3.3 | 582 | 12.0 | 13.4 | 90 | 0 | 4 | 58 | 24 | 10.0 | 7.8 | 17.2 | 10.36 | 0 |
| 5 | 2.8 | 2.6 | 3.1 | 542 | 10.8 | 13.4 | 81 | 0 | 7 | 61 | 35 | 11.0 | 10.9 | 14.1 | 10.15 | 0 |
| 6 | 3.0 | 2.9 | 3.1 | 435 | 4.7 | 13.4 | 35 | 0 | 5 | 66 | 33 | 10.9 | 9.2 | 12.8 | 8.19 | 0 |
| 7 | 2·0 | 2.9 | 3.3 | 616 | 11.4 | 13.5 | 84 | 0 | 6 | 62 | 32 | 9.9 | 8.5 | 14.1 | 9.46 | 0 |
| 8 | 3.0 | 2.3 | 3.9 | 611 | 11.1 | 13.5 | 82 | 1 | 7 | 63 | 36 | 10.1 | 9.2 | 12.7 | 9.53 | 0 |
| 9 | 2.2 | 2.2 | 2.3 | 612 | 11.8 | 13.5 | 87 | 1 | 7 | 55 | 35 | 10.0 | 9.0 | 11.6 | 8.72 | 0 |
| 10 | 2.2 | 1.8 | 2.7 | 551 | 9.1 | 13.5 | 67 | 5 | 7 | 61 | 27 | 10.3 | 7.6 | 14.4 | 10.15 | 0 |
| 11 | 2.2 | 1.4 | 3.3 | 611 | 12.3 | 13.6 | 90 | 0 | 0 | 30 | 12 | 6.6 | 4.7 | 21.8 | 12.36 | 0 |
| 12 | 1.9 | 1.3 | 2.8 | 453 | 7.5 | 13.6 | 55 | 0 | 0 | 36 | 17 | 8.9 | 7.6 | 22.9 | 12.17 | tr. |
| 13 | 2.2 | 1.7 | 2.7 | 570 | 11.8 | 13.6 | 87 | 0 | 0 | 34 | 17 | 9.9 | 7.8 | 24.9 | 14.47 | 0 |
| 14 | 2.2 | 3.0 | 4.0 | 590 | 11.8 | 13.6 | 87 | 0 | 0 | 55 | 28 | 12.6 | 11.0 | 20.2 | 13.31 | 0 |
| 15 | 2.3 | 3.5 | 3.3 | 432 | 5.4 | 13.6 | 40 | 1 | 5 | 54 | 25 | 11.3 | 10.1 | 20.9 | 12.73 | tr. |
| 16 | 4.9 | 5.4 | 4.3 | 285 | 0.6 | 13.6 | 4 | 0 | 0 | 52 | 41 | 12.2 | 11.9 | 13.9 | 7.68 | 0 |
| 17 | 2.6 | 1.9 | 3.6 | 596 | 11.3 | 13.7 | 82 | 0 | 4 | 55 | 22 | 10.4 | 7.8 | 16.8 | 11.71 | 0 |
| 18 | 2.5 | 1.7 | 3.7 | 640 | 12.3 | 13.7 | 90 | 0 | 1 | 39 | 18 | 7.8 | 6.5 | 20.1 | 12.98 | 0 |
| 19 | 3.3 | 3.3 | 3.3 | 651 | 12.3 | 13.7 | 90 | 0 | 4 | 60 | 32 | 10.5 | 8.8 | 15.1 | 9.96 | 0 |
| 20 | 3.2 | 1.9 | 2.3 | 585 | 11.2 | 13.8 | 81 | 0 | 0 | 40 | 25 | 8.8 | 7.8 | 14.2 | 8.93 | 0 |
| 21 | 3.2 | 0.9 | 3.8 | 528 | 11.7 | 13.8 | 85 | 0 | 0 | 38 | 22 | 9.2 | 8.5 | 22.9 | 12.89 | 0 |
| 22 | 4.2 | 3.5 | 5.1 | 638 | 11.3 | 13.8 | 82 | 0 | 6 | 54 | 29 | 11.3 | 10.0 | 21.6 | 12.03 | tr |
| 23 | 3.8 | 3.0 | 4.9 | 617 | 10.6 | 13.8 | 77 | 1 | 5 | 56 | 26 | 11.4 | 9.2 | 19.3 | 11.43 | 0 |
| 24 | 4.2 | 3.5 | 5.2 | 650 | 12.4 | 13.8 | 90 | 0 | 5 | 53 | 25 | 11.3 | 9.3 | 22.2 | 13.69 | 0 |
| 25 | 3.8 | 3.1 | 4.7 | 629 | 12.3 | 13.8 | 89 | 0 | 6 | 50 | 22 | 10.9 | 9.2 | 24.1 | 13.91 | 0 |
| 26 | 3.6 | 2.9 | 4.6 | 621 | 12.2 | 13.8 | 88 | 0 | 0 | 48 | 23 | 10.7 | 9.5 | 22 7 | 14·06 | 0 |
| 27 | 3.8 | 3.3 | 4.5 | 616 | 11.9 | 13.9 | 86 | 0 | 3 | 45 | 21 | 10.4 | 9.1 | 25.1 | 14.82 | 0 |
| 28 | 3.7 | 2.8 | 4.9 | 601 | 11.5 | 13.9 | 83 | 0 | 0 | 32 | 13 | 8.3 | 6.7 | 29.3 | 16.45 | 0 |
| 29 | 4.5 | 4.1 | 5.1 | 627 | 12.6 | 13.9 | 91 | 0 | 3 | 55 | 28 | 11.1 | 9.6 | 20.6 | 13.55 | 0 |
| 30 | 2.9 | 2.4 | 3.7 | 633 | 12.2 | 13.9 | 88 | 0 | 0 | 46 | 28 | 10.6 | 9.9 | 19.2 | 11.73 | 0 |
| 31 | 2.2 | 1.7 | 2.8 | 589 | 11.7 | 13.9 | 84 | 0 | 0 | 36 | 17 | 10.3 | 8.8 | 20.6 | 11.23 | 0 |
| TOTAL ... | — | — | — | 17922 | 330.8 | 423.0 | 2422 | 18 | 106 | — | — | — | — | 582 | 360.25 | tr. |
| Mean ... | 3.1 | 2.6 | 3·8 | 478.1 | 10.7 | 13.6 | 78 | 0.6 | 3.4 | 51 | 26 | 10.2 | 8.6 | 18.8 | 11.62 | tr. |

Maximum amount of rainfall in one day ..... tr. on 12th & 15th
Lowest value of relative humidity ..... 11 % on 11th & 28th
Highest value of vapour pressure ..... 15.0 mms. on 24th.
Lowest value of vapour pressure ..... 4·7 mms. on 11th

## TABLE C 3.—EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

### GIZA—MAY 1959

| Depth in cms. | Dry soil | | Wet soil | | Grass | |
|---|---|---|---|---|---|---|
| | Highest °C | Lowest °C | Highest °C | Lowest °C | Highest °C | Lowest °C |
| 0.3 | 60·7 | 14.9 | 33.0 | 12.9 | 30.5 | 16.6 |
| 1 | 56.7 | 15.9 | 32.1 | 13.0 | — | — |
| 2 | 52.4 | 16·2 | 31.7 | 13.0 | — | — |
| 5 | 42.7 | 20.0 | 29.9 | 14.8 | 26.3 | 17.2 |
| 10 | 35.2 | 24.2 | 27.9 | 17.7 | 24.5 | 18.1 |
| 20 | 29.9 | 23.8 | 25.5 | 19.8 | 23.8 | 20.1 |
| 50 | 29.3 | 25.9 | 22.7 | 20.2 | 23.6 | 21.3 |
| 100 | 26.8 | 24.2 | 21.2 | 19.4 | 22.3 | 20.2 |
| 200 | 24.3 | 22.8 | 19.9 | 18.7 | — | — |
| 300 | 23.2 | 22.9 | — | — | — | — |

## TABLE C 4.—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES REACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

### GIZA—MAY 1959

| | | | |
|---|---|---|---|
| 10 Knots or more ... | 22 Days. | 30 Knots or more ... | 0 Days. |
| 15 „ „ ... | 2 „ | 35 „ „ ... | 0 „ |
| 20 „ „ ... | 1 „ | 40 „ „ ... | 0 „ |
| 25 „ „ ... | 0 „ | The highest gust 26 knots on 16th. | |

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VOLUME 2 NUMBER 6

## JUNE, 1959

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# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 6

## JUNE, 1959

MINISTRY OF WAR—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

# CONTENTS

PAGE

General Summary of Weather Conditions ... ... ... ... ... ... ... 327-329

**Surface Data**

TABLE A 1.—Monthly Mean Values of Atmospheric Pressure, Air Temperature and Relative Humidity at Fixed Hours. ... ... ... ... ... ... ... ... 330,331

" A 2.—Maximum and Minimum Air Temperatures (°C)... ... ... ... ... ... 332,333

" A 3.—Rainfall, Snow, Bright Sunshine, Cloudiness and Evaporation ... ... 334,335

" A 4.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... 336

" A 5.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... ... ... ... 337-339

" A 6.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours. ... ... ... 340-370

**Upper Air Data**

TABLE B 1.—Upper Air Climatological Data ... ... ... ... ... ... ... ... ... 371-374

" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air... ... ... ... ... ... ... 375,376

" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. 377-383

**Agro-Meteorological Data**

Review of Agro-Meteorological Station at Giza ... ... ... ... ... ... ... ... 384

TABLE C 1.—Air Temperature at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 cms. above Ground on Different Fields ... ... ... 385

" C 2.—Wind Speed, Relative Humidity and Vapour Pressure at 2 Metres above the Ground, (Solar + Sky) Radiation, Sunshine Duration, Evaporation and Rainfall. ... ... ... ... ... ... ... ... ... ... 386

" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields. 387

" C 4.—Number of Days of Surface Wind Speed at 10 Metres Reaching Specified Limits of Velocity for at Least 5 Minutes ... ... ... ... ... ... ... 387

Note : Refer to volume 2 number 1 for the list of stations appearing in the report and for explanatory notes on the tables.

# GENERAL SUMMARY OF WEATHER CONDITIONS

## JUNE 1959

**Generally mild Mediterranean coastal area. Changeable inland areas and characterized by a prevailing prolonged hot regime within period (8th-25th).**

### THE MAIN FEATURES

—An excessive hot spell within period (8th–11th) over the northern part of the Southern Region. A prevailing prolonged heat wave within period (8th–25th) over the inland parts.

—One Khamsin disturbance and three oscillations of the complex monsoon over Iraq, Arabia and Sudan.

—Occasional scattered rain and thunder in the Northern Region within the 1st week.

### GENERAL DESCRIPTION OF WEATHER

Mild weather was enjoyed most of this month over the Mediterranean coastal areas. As an exception, the Egyptian Mediterranean coastal areas suffered an excessive hot spell within the period (8th–11th). The Far inland districts of Egypt experienced a prevailing prolonged heat wave within the period (8th–25th), which reached its maximum intensity round the period (9th–15th), during which Aswan's maximum temperature ranged between 47°C and 49°C and Kharga's maximum temperature ranged between 43°C and 47°C.

The precoastal and the far inland districts of Syria suffered two remarkable heat waves round periods (9th–15th) and (18th – 25th) of which the second was the excessive and attained its climax round the 22nd in the Desert district and round the 20th over the rest districts of the Region.

The monthly district station ground barometric pressure was slightly above normal over all the districts and its deviation did not exceed 1.5 mb.

The monthly district relative humidity was slightly below normal and its deviation did not exceed 10% over all districts with the exception of the Lower Egypt and Upper Egypt districts where its deviation did not exceed 5%.

The monthly district maximum temperature was slightly below normal over all districts apart from the Upper Egypt, Western Desert and Red Sea districts of Egypt where it was slightly above normal. The monthly district minimum temperature was also slightly below normal over all districts with the exception of El Gezira district of Syria, the Mediterranean, Lower Egypt, Cairo Area and Upper Egypt districts of Egypt where it was above normal.

The monthly district rainfall was slightly below normal over the inland districts of Syria, and the Cairo Area district of Egypt, but was rather normal elsewhere.

The monthly daily relative humidity in the Northern Region was 74% at Latakia, 41% at Aleppo, 32% at Damascus, 52% at Homs, 28% at Deir Ezzor and 28% at Qamishlie. In the Southern Region it was 69% at Mersa Matruh, 70% at Alexandria, 72% at Port Said, 50% at Tanta, 48% at Cairo, 47% at Almaza, 48% at Minya, 30% at Asyout, 24% at Luxor, 35% at Siwa and 43% at Suez.

### PRESSURE DISTRIBUTION

This month started with the extension of the complex monsoon low over Iraq, Arabia and Sudan northwards towards the Black Sea vicinity together with an anticyclonic pressure system extending from the British Isles eastwards through Europe and West Russia and SE wards through the Mediterranean towards the Western Desert of Egypt. The upper flow patterns at 700 and 500 mb. levels were characterized by a planetary wave north Russia extending southwards towards the Asia Minor and the Black Sea Regions. Up till the 3rd, both surface distributions and upper air patterns showed marked persistance.

On the 4th, an Atlantic low pressure system with a considerable vertical structure approached the British Isles and proceeded rapidly northeastwards. During its course, loose pressure gradient was exerted over NW Mediterranean and NW Africa Regions where secondary depressions tended to form rapidly, while its upper reflection showed a marked southward extension towards these regions. On the 6th, a secondary depression appeared over Tunisia. Since then it developed appreciably, showed a well defined upper reflection up to the 500 mb. level and proceeded eastwards. On the 8th it occupied Central Mediterranean, while its southern trough skirted North Africa coastal area. A shallow coastal low traversed Cyrenica on the 9th and overran Lower and Middle Egypt districts by the 10th. During this period, high pressure established in the rear of the Atlantic low pressure system and proceeded gradually eastwards through Europe and SEwards through the Mediterranean, towards Egypt.

During the rest part of the month, the complex monsoon over the Middle East deepened gradually three consecutive times round the periods (16th – 20th), (22nd – 25th) and (27th – 29th) and experienced a pronounced NW displacement through both East Mediterranean and southern parts of the Black Sea vicinities. On the other hand deep troughs persisted during these periods over both Caspian Sea and northern parts of the Black Sea, while high pressure extended as a ridge from the British Isles till the Western Desert of Egypt.

During most of this month, the barometric pressure over East Mediterranean was oscillatory, but it was more or less above its normal over the coastal areas, and round its normal over the inland and far inland areas.

## SURFACE WIND

### NORTHERN REGION

Southeasterly winds generally prevailed most of the month with the exception of the 2nd week during which NW winds blew over the Region. The prevailing winds were light/moderate round periods (5th – 14th) and (17th – 30th), moderate/fresh on the 16 th and fresh/strong round period (1st – 3rd). Over Aleppo Area in particular, prevailing winds were moderate/fresh during period (5th–14th), fresh/strong during period (17th – 20th) and strong/gale on the 16th.

Gales were reported over the Western Inland district on the 1st (Wly) and 2 nd (SW ly), and over the Coastal district on the 2nd (SWly). Otherwise gales blew over scattered places in few occasions, though considerable occasions (20) were a characteristic wind feature at Meselmiyie. Jableh and Meselmiyie reported the highest wind speed during this month (44 knots) on the 2 nd and 15th respectively.

### SOUTHERN REGION

The prevailing winds over the northern districts of the Region were light/moderate Nly in general but fresh/strong in particular over the western part of the Mediterranean coast during few scattered days. Over the southern parts of the Region, the prevailing winds were light Nly during the daytime intervals, but mainly calms were frequent during the night time and eraly morning intervals.

Gales were reported at Sallum on the 8th.

## TEMPERATURE

Maximum temperature oscillated generally round its mormal over the Mediterranean coastal districts of the Republic most of the month with the exception of a short period (8th – 11th) during which an excessive hot spell was experienced in particular over the northern part of Egypt. On the other hand maximum temperature over the inland districts of the Republic was above normal most of the period (8th – 25th) and a prevailing heat wave of long duration was characterized. Over the Northern Region, a mild short period (16th–17th), was enjoyed within this heat wave.

The absolute maximum temperature for the Northern Region was 44.5°C at El Himmeh (195 m. below sea level) on the 11th, while the corresponding value for the Southern Region was 49.2°C at Aswan on the 12th.

Minimum temperature was similarly affected by the prevailing heat waves as the maximum temperature over both Regions of the Republic, though its range of oscillation round normal was slight in the northern part of the Southern Region.

The absolute minimum temperature of the Northern Region was 3.2°C at Salkhad (mountain station south of Western Inland district) on the 6th, while its value for the Southern Region was 12.2°C at El Dabaa on the 7th.

## PRECIPITATION

### NORTHERN REGION

Rainfall was subnormal in general and confined to three districts, the Coastal district (average 70 mms. over mountainous parts), the Western Inland district (average less than 20 mms. in the northern parts) and the North Eastern district (average less than 15 mms).

Rain fell round the period (2nd—4th) over the Coastal district, round period (3rd—4th) over the Western Inland district, and on both 4th and 5th over the North Eastern district.

The maximum rainfall during this month was 77.4 mms. reported at Sheqiran (mountainous area of the Coastal district).

### SOUTHERN REGION

This month was rainless and apart from a trace of rain at Mersa Matruh on the 3rd, no rainfall was reported all over the Region.

## MISCELLANEOUS WEATHER PHENOMENA

### NORTHERN REGION

*Thunderstorms* occurred at Raqqa on the 4th & 5th and at Qamishlie on the 5th.

*Fog patches* developed at Damascus on the 15th & 28th.

*Mist patches* developed at Damascus on the 28th.

*Sand or duststorms* blew over Damascus on the 1st; Palmyra on the 1st & 16th; Deir Ezzor on the 3rd, 16th & 27th; and over Raqqa on the 2nd, 3rd, 9th, 10th & 16th.

*Local rising sand or dust* was reported at Hama on the 1st & 9th; Tell Shihab on the 1st, 2nd & 3rd; Palmyra on the 2nd, 9th, 10th, 11th, 26th, 27th, 28th & 29th; Deir Ezzor on the Ist, 10th, 13th, 15th, 17th, 22nd, 23rd, 24th, 26th, 28th, 29th & 30th; Raqqa on the 1st, 13th, 27th, 28th, 29th & 30th; and at Qamishlie on the 3rd & 16th.

### SOUTHERN REGION

*Fog patches* developed at Alexandria on the 7th, Almaza on the 20th and at Mostafa Helmi on the 21st & 25th.

*Mist patches* developed at abu Sueir on the 21st & 22 nd; Cairo on the 5th, 19th, 20th, 22nd, 23rd, 24th, 26th, 27th, 28th & 30th; Almaza on the 19th & 21st; and at Mostafa Helmi on the 7th, 19th, 21 st, 23rd, 26th & 27th.

*Sand or duststorms* blew over both Sallum and Sidi Barrani on the 8th.

*Local rising sand or dust* was reported at Mersa Matruh on the 8th; El Arish on the 1st; Abu Sueir on the 1st, 4th & 10th; Cairo on the 1st & 10th; Almaza on the 10th and at Aswan on the 11th.

*Cairo*; February 1961.

M. F. Taha
*Director General*
*Meteorological Department*

## TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

### JUNE 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U,T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh ... (A) ... | 12 | 1008.2 | — | 1008.7 | — | 1008.7 | — | 1008.5 | — | 20.4 | —0.7 | 23.8 | —0.4 | 25.2 | —1.4 | 23.4 | —0.7 | 76 | — 4 | 70 | — 2 | 71 | + 3 | 78 | 0 |
| | Bouka ... ... ... | 50 | — | — | — | — | — | — | — | — | 20.2 | — | 24.7 | — | 26.8 | — | 22.6 | — | 80 | — | 71 | — | 67 | — | 80 | — |
| | Tartous ... ... ... | 15 | — | — | — | — | — | — | — | — | 20.3 | — | 24.9 | — | 26.7 | — | 22.6 | — | 82 | — | 66 | — | 62 | — | 81 | — |
| WESTERN INLAND | Damascus ... (A) ... | 724 | 928.9 | +1.4 | 929.8 | +1.6 | 928.7 | +1.8 | 928.9 | +2.1 | 19.3 | +0.3 | 23.5 | —0.7 | 32.4 | +0.2 | 25.6 | 0.0 | 42 | — 5 | 40 | — 2 | 18 | — 2 | 26 | — 4 |
| | Aleppo ... (A) ... | 391 | 963.3 | +1.2 | 964.0 | +1.1 | 962.6 | +0.9 | 963.2 | +1.1 | 19.5 | —0.7 | 24.7 | —0.7 | 31.7 | —1.2 | 24.2 | —1.6 | 56 | — 2 | 43 | — 3 | 24 | — 4 | 41 | — 2 |
| | Hama ... (A) ... | 313 | 972.3 | — | 972.6 | — | 971.4 | — | 972.1 | — | 19.7 | — | 26.1 | — | 22.7 | — | 24.8 | — | 52 | — | 36 | — | 21 | — | 37 | — |
| | Homs ... ... ... ... | 487 | — | — | — | — | — | — | — | — | 18.3 | —0.4 | 25.0 | +1.2 | 29.3 | —0.1 | 20.8 | —1.6 | 72 | + 6 | 44 | — 8 | 32 | — 7 | 60 | + 3 |
| | Kharabo ... ... ... | 620 | — | — | — | — | — | — | — | — | 14.6 | — | 23.0 | — | 33.1 | — | 23.0 | — | 70 | — | 45 | — | 20 | — | 35 | — |
| | Salamiyie ... ... ... | 500 | — | — | — | — | — | — | — | — | 17.4 | — | 25.0 | — | 32.2 | — | 22.8 | — | 47 | — | 39 | — | 24 | — | 45 | — |
| | Meselmiyie ... | 425 | — | — | — | — | — | — | — | — | — | — | 25.7 | — | 31.9 | — | 22.0 | — | — | — | 42 | — | 20 | — | 55 | — |
| | Fiq ... ... ... ... | 337 | 971.8 | — | 972.4 | — | 971.5 | — | 971.6 | — | 20.0 | — | 22.2 | — | 30.1 | — | 24.4 | — | 68 | — | 63 | — | 32 | — | 48 | — |
| | Tell Shihab ... ... | 250 | — | — | — | — | — | — | — | — | 17.1 | — | 23.6 | — | 31.3 | — | 22.7 | — | 72 | — | 60 | — | 31 | — | 52 | — |
| DESERT | Palmyra ... (A) ... | 404 | 963.8 | — | 964.6 | — | 962.9 | — | 962.7 | — | 21.0 | — | 23.6 | —0.9 | 34.5 | —0.5 | 28.8 | —0.7 | 46 | — | 41 | — 5 | 16 | — 4 | 24 | — 6 |
| EL GEZEIRA | Deir Ezzor (A) ... | 204 | 984.5 | — | 985.4 | — | 984.0 | — | 983.6 | — | 24.1 | —0.7 | 27.5 | —0.1 | 36.0 | —0.3 | 30.6 | —0.7 | 38 | — 2 | 34 | — 4 | 16 | — 3 | 22 | — 3 |
| | Raqqa ... ... ... | 251 | 978.0 | — | 978.7 | — | 976.6 | — | 976.9 | — | 20.4 | — | 25.5 | — | 34.4 | — | 27.6 | — | 52 | — | 39 | — | 16 | — | 27 | — |
| NORTH EASTERN | Qamishlie ... (A) ... | 466 | 954.7 | +0.6 | 955.6 | +0.8 | 954.4 | +0.4 | 954.4 | +0.8 | 22.1 | —1.1 | 27.5 | —1.1 | 34.6 | —0.6 | 27.6 | —0.8 | 38 | — 1 | 32 | — 1 | 17 | — 4 | 25 | — 5 |
| | Tell Tamer... ... ... | 335 | — | — | — | — | — | — | — | — | 19.7 | — | 26.6 | — | 34.8 | — | 28.5 | — | 44 | — | 33 | — | 16 | — | 25 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum... ... ... ... | 04 | 1013.1 | — | 1013.7 | +1.1 | 1013.3 | +0.9 | 1013.5 | +1.0 | 20.8 | — | 23.4 | —1.7 | 26.6 | —1.4 | 23.0 | —1.0 | 73 | — | 59 | — 2 | 50 | 0 | 64 | — 1 |
| | Sidi Barrani ... ... | 21 | 1010.2 | +0.5 | 1010.8 | +0.6 | 1010.8 | +0.4 | 1010.3 | +0.4 | 20.6 | —0.2 | 23.0 | —0.9 | 25.8 | 0.0 | 22.4 | —0.7 | 74 | — 4 | 64 | — 7 | 58 | — 6 | 71 | — 5 |
| | Mersa Matruh (A) ... | 31 | 1009.2 | +0.8 | 1009.9 | +1.0 | 1009.9 | +1.0 | 1009.7 | +0.9 | 19.8 | —0.2 | 23.4 | —0.8 | 26.0 | —0.2 | 22.6 | —0.5 | 80 | — 2 | 67 | — 2 | 56 | — 8 | 72 | — 6 |
| | Dabaa ... ... ... | 17 | 1012.0 | — | 1011.8 | — | 1010.7 | — | 1011.3 | — | 20.0 | — | 23.9 | —0.5 | 26.2 | —0.6 | 22.5 | —0.6 | — | — | 67 | — 3 | 60 | + 1 | 78 | — 1 |
| | Alexandria ... (A) ... | —3 | 1012.6 | +1.2 | 1013.2 | +1.2 | 1013.1 | +1.2 | 1013.1 | +1.3 | 21.3 | 0.0 | 24.9 | —0.1 | 27.5 | +0.3 | 23.1 | —0.1 | 79 | — 6 | 67 | — 2 | 58 | — 3 | 74 | — 5 |
| | Dekheila ... (A) ... | 01 | 1012.4 | — | 1013.1 | +0.4 | 1013.1 | +0.5 | 1012.8 | — | 21.2 | — | 24.1 | 0.0 | 26.2 | +1.0 | 22.8 | — | 78 | — | 68 | —11 | 64 | —14 | 75 | — |
| | Damietta ... ... ... | 03 | 1012.2 | — | 1012.6 | +1.2 | 1012.5 | +1.5 | 1012.7 | +1.7 | 20.5 | — | 24.8 | —1.2 | 27.3 | +0.2 | 23.5 | —0.1 | 79 | — | 70 | + 2 | 60 | — 3 | 81 | — 1 |
| | Port Said ... (A) ... | 01 | 1011.6 | +0.9 | 1012.2 | +0.8 | 1011.9 | +1.0 | 1011.8 | +0.9 | 22.9 | —0.5 | 24.8 | —0.6 | 26.3 | —0.8 | 23.8 | —0.8 | 75 | — 3 | 68 | — 1 | 66 | + 1 | 77 | + 1 |
| | E Arish ... ... ... | 10 | 1009.7 | +1.1 | 1010.3 | 0.0 | 1009.8 | +0.2 | 1010.1 | +0.4 | 21.4 | +0.5 | 25.8 | —0.6 | 27.7 | +0.7 | 23.7 | —0.2 | 78 | — 6 | 66 | + 2 | 63 | — 3 | 80 | + 2 |
| | Ghazza ... ... ... | 10 | 1009.8 | — | 1010.5 | — | 1010.1 | — | 1010.1 | — | 21.4 | — | 25.0 | — | 25.4 | — | 23.9 | — | 82 | — | 72 | — | 79 | — | 85 | — |

TABLE A 1 (*continued*).—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

JUNE 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Southern Region** (*Contd.*) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... | 06 | 1012.3 | — | 1012.2 | +0.6 | 1011.9 | +0.7 | 1012.1 | +0.8 | 19.6 | — | 23.7 | —2.1 | 29.8 | —0.6 | 23.4 | —0.4 | 87 | — | 76 | +10 | 46 | + 1 | 75 | + 4 |
| | Mansoura ... ... ... | 08 | 1011.1 | — | 1011.6 | +0.5 | 1010.8 | +0.8 | 1011.0 | +0.2 | 20.8 | — | 24.1 | —1.3 | 32.4 | —0.2 | 24.9 | 0.0 | 78 | — | 69 | + 4 | 34 | 0 | 62 | — 1 |
| | Tanta ... ... ... ... | 14 | 1010.5 | — | 1010.9 | +0.3 | 1010.1 | +0.8 | 1010.8 | +0.8 | 19.3 | — | 25.1 | —0.3 | 32.7 | —0.4 | 24.2 | —1.0 | 77 | — | 61 | — 4 | 31 | — 2 | 57 | — 4 |
| | Shebin el Kom ... | 12 | 1010.8 | — | 1011.6 | +1.2 | 1010.0 | +0.9 | 1010.6 | +0.7 | 20.7 | — | 24.4 | —0.8 | 31.9 | —1.5 | 25.5 | —0.8 | 82 | — | 76 | +12 | 40 | + 9 | 70 | +17 |
| | Zagazig ... ... ... | 12 | 1011.3 | — | 1011.5 | +0.7 | 1010.1 | +0.5 | 1011.1 | +0.9 | 20.4 | — | 24.0 | —1.9 | 32.5 | —0.9 | 26.0 | 0.0 | 78 | — | 66 | — 2 | 32 | — 3 | 55 | — 5 |
| | Zaher ... ... (A) ... | 30 | 1007.1 | — | 1007.7 | — | 1006.5 | — | 1007.0 | — | 20.9 | — | 25.0 | — | 33.0 | — | 26.8 | — | 67 | — | 56 | — | 26 | — | 43 | — |
| | Wadi el Natrun ... | — 1 | 1012.7 | — | 1013.5 | +1.8 | 1012.1 | +2.0 | 1013.0 | +1.9 | 20.6 | — | 24.4 | —0.5 | 33.5 | —0.3 | 26.1 | —0.9 | 76 | — | 63 | — 3 | 25 | — 6 | 48 | — 5 |
| | Abu Sueir ... (A) ... | 14 | 1010.0 | — | 1010.6 | — | 1009.1 | — | 1010.0 | — | 21.2 | — | 25.0 | — | 33.0 | — | 26.2 | — | 73 | — | 57 | — | 26 | — | 52 | — |
| Cairo Area | Cairo ... ... (A) ... | 95 | 1000.8 | +0.4 | 1001.5 | +0.7 | 1000.0 | +0.4 | 1000.7 | +0.7 | 21.6 | —0.5 | 24.6 | +0.2 | 33.3 | —0.1 | 27.6 | —0.9 | 69 | — 3 | 57 | — 9 | 25 | — 3 | 41 | — 3 |
| | Almaza ... (A) ... | 79 | 1002.4 | +0.5 | 1003.1 | +0.6 | 1001.6 | +0.4 | 1002.1 | +0.7 | 21.8 | —0.8 | 24.7 | +0.3 | 33.7 | +0.3 | 27.9 | —0.9 | 66 | — 5 | 56 | —10 | 25 | — 3 | 40 | — 1 |
| | Abbasiya (H.Q.) ... | 33 | 1007.9 | — | 1008.3 | — | 1006.9 | — | 1007.6 | — | 21.9 | — | 25.2 | — | 33.3 | — | 27.7 | — | 69 | — | 58 | — | 27 | — | 42 | — |
| | Mostafa Helmi (A) ... | 163 | 993.1 | — | 993.7 | — | 992.5 | — | 993.1 | — | 20.5 | — | 23.4 | — | 32.3 | — | 26.6 | — | 69 | — | 59 | — | 26 | — | 43 | — |
| | Giza ... ... ... ... | 21 | 1009.9 | — | 1010.3 | +1.1 | 1008.8 | +1.0 | 1009.1 | +0.7 | 21.2 | — | 24.1 | —0.6 | 32.7 | —1.4 | 27.5 | —0.5 | 76 | — | 61 | — 4 | 27 | — 1 | 39 | — 4 |
| | Helwan ... ... ... | 112 | — | — | 999.4 | +0.4 | 997.8 | +0.4 | 998.3 | +0.7 | — | — | 24.4 | —0.2 | 33.5 | —0.1 | 28.3 | —0.9 | — | — | 55 | — 1 | 23 | + 2 | 36 | + 4 |
| Upper Egypt | Fayoum ... ... ... | 30 | 1009.6 | — | 1009.8 | +1.2 | 1008.2 | +1.4 | 1007.9 | +1.1 | 21.1 | — | 25.8 | +0.4 | 34.5 | +0.2 | 29.4 | +0.1 | 69 | — | 54 | — 3 | 23 | + 1 | 34 | 0 |
| | Beni Suef ... ... ... | 28 | 1008.5 | — | 1008.8 | +1.0 | 1007.3 | +1.2 | 1006.7 | +0.6 | 21.4 | — | 23.5 | —3.5 | 35.3 | —0.4 | 29.8 | +0.4 | 75 | — | 77 | +24 | 28 | + 6 | 39 | + 3 |
| | Minya ... ... (A) ... | 39 | 1006.1 | +0.6 | 1007.0 | +0.5 | 1005.8 | +0.8 | 1004.9 | +0.4 | 22.2 | +0.3 | 24.8 | —0.4 | 35.4 | 0.0 | 28.6 | +0.8 | 63 | + 4 | 61 | + 4 | 26 | + 4 | 41 | + 2 |
| | Asyout ... (A) ... | 71 | 1001.2 | +0.8 | 1002.9 | +0.6 | 1000.8 | +0.6 | 1000.5 | +0.4 | 24.9 | +0.1 | 25.7 | —0.5 | 36.6 | +0.3 | 30.8 | +0.4 | 36 | — 1 | 42 | — 1 | 16 | 0 | 25 | 0 |
| | Nag Hammadi ... ... | 69 | 1000.9 | — | 1002.5 | +0.7 | 1001.0 | +1.2 | 1001.1 | +1.5 | 23.5 | — | 27.5 | —0.8 | 37.5 | +1.0 | 29.5 | —0.1 | — | — | 55 | +11 | 33 | +10 | 49 | +13 |
| | Qena ... ... ... ... | 73 | 999.4 | — | 1001.5 | +1.0 | 999.5 | +1.1 | 999.2 | +0.7 | 25.7 | — | 29.7 | —0.4 | 38.6 | —1.4 | 32.1 | —1.1 | 41 | — | 38 | + 4 | 21 | + 5 | 28 | + 5 |
| | Luxor ... ... (A) ... | 95 | 996.5 | 0.0 | 998.2 | +0.1 | 996.1 | 0.0 | 995.8 | —0.1 | 26.9 | +0.5 | 31.7 | 0.0 | 40.2 | +0.8 | 33.9 | +0.5 | 31 | + 1 | 30 | + 2 | 14 | — 1 | 21 | 0 |
| | Aswan ... ... ... | 104 | 994.5 | — | 996.1 | +0.1 | 993.6 | —0.2 | 993.6 | —0.3 | 28.0 | — | 32.3 | +1.2 | 42.1 | +1.5 | 35.7 | —0.3 | 24 | — | 24 | — 2 | 11 | — 4 | 13 | — 3 |
| Western Desert | Siwa ... ... ... ... | —15 | 1014.6 | +0.7 | 1015.9 | +0.7 | 1014.3 | +0.7 | 1013.3 | +0.7 | 23.2 | —0.8 | 23.9 | —1.2 | 34.9 | —0.9 | 31.5 | —0.8 | 46 | 0 | 54 | + 4 | 17 | — 1 | 22 | — 4 |
| | Bahariya ... ... ... | 128 | 997.6 | — | 998.6 | 0.0 | 996.8 | 0.0 | 996.1 | —0.8 | 22.2 | — | 23.7 | —1.6 | 35.4 | +0.5 | 30.9 | +1.2 | 53 | — | 54 | 0 | 20 | — 6 | 26 | — 9 |
| | Farafra ... ... ... | 90 | 1002.4 | — | 1003.7 | +0.8 | 1001.9 | +0.3 | 1001.5 | +0.4 | 23.6 | — | 26.1 | —0.4 | 36.1 | +0.2 | 31.0 | +1.1 | 27 | — | 33 | — 6 | 14 | — 7 | 15 | —11 |
| | Dakhla ... ... ... | 110 | 998.3 | — | 1000.0 | +2.4 | 998.2 | +2.2 | 997.4 | +1.6 | 25.0 | — | 28.7 | —0.5 | 38.1 | +1.5 | 32.0 | —0.2 | 24 | — | 24 | —10 | 8 | —12 | 14 | — 8 |
| | Kharga ... ... ... | 72 | 1000.9 | — | 1002.2 | —0.3 | 1000.9 | —0.3 | 1000.5 | —0.6 | 25.7 | — | 26.6 | —2.9 | 38.7 | +0.8 | 31.8 | —0.8 | 30 | — | 30 | — 9 | 14 | —13 | 19 | — 9 |
| Red Sea | Suez ... ... ... ... | 05 | 1011.1 | — | 1011.6 | +0.7 | 1009.9 | 0.0 | 1010.6 | +1.1 | 23.2 | — | 25.5 | +0.1 | 33.8 | +0.5 | 28.3 | +0.5 | 58 | — | 58 | — 6 | 25 | — 9 | 47 | — 5 |
| | Tor ... ... ... ... | 03 | 1007.2 | — | 1008.8 | +0.6 | 1007.4 | +0.4 | 1006.6 | —0.2 | 24.2 | — | 25.4 | —1.0 | 29.4 | —1.1 | 28.1 | —1.3 | 71 | — | 68 | — 3 | 51 | — 4 | 52 | — 3 |
| | Hurghada ... ... ... | 01 | 1007.9 | +1.9 | 1009.3 | +1.5 | 1007.9 | +1.5 | 1007.4 | +1.7 | 26.1 | —0.6 | 28.6 | +1.2 | 31.6 | +2.0 | 29.2 | —0.3 | 44 | 0 | 39 | —18 | 38 | —20 | 39 | —11 |
| | Quseir ... ... ... | 08 | 1006.4 | — | 1008.0 | +0.5 | 1007.0 | 0.0 | 1006.5 | —0.1 | 27.2 | — | 29.3 | —0.5 | 30.5 | —0.4 | 28.4 | —0.6 | 39 | — | 47 | — 3 | 48 | — 8 | 46 | — 6 |

# TABLE A 2.—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

## JUNE 1959

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A + B) /2 | Maximum temperature: Highest | Maximum temperature: Date | Maximum temperature: Lowest | Maximum temperature: Date | Number of days with maximum temperature: >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Minimum temperature: Date | Minimum temperature: Lowest | Minimum temperature: Date | Number of days with minimum temperature: <10° | <5° | <0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh ... ... (A) ... ... ... ... | 25.8 | —1.6 | 19.2 | —0.6 | 22.5 | 28.0 | 20 | 22.2 | 3 | 23 | 0 | 0 | 0 | 0 | 23.0 | 30 | 15.5 | 7 | 0 | 0 | 0 | 0 |
| | Bouka ... ... ... ... ... ... ... | 27.4 | — | 19.0 | — | 23.2 | 32.0 | 11·12 | 23.0 | 3 | 24 | 2 | 0 | 0 | 0 | 22.5 | 30 | 15.4 | 8 | 0 | 0 | 0 | 0 |
| | Tartous ... ... ... ... ... ... ... | 27.2 | — | 19.5 | — | 23.4 | 33.0 | 11 | 24.0 | 4·6 | 24 | 3 | 0 | 0 | 0 | 23.5 | 11 | 16.0 | * | 0 | 0 | 0 | 0 |
| WESTERN INLAND | Damascus ... ... (A) ... ... ... ... | 33.9 | +0.7 | 15 8 | +0.3 | 24.9 | 39.8 | 20 | 23.6 | 3 | 29 | 24 | 13 | 0 | 0 | 22.4 | 1 | 9.5 | 6 | 1 | 0 | 0 | 0 |
| | Aleppo ... ... (A) ... ... ... ... | 32.8 | —1.0 | 17.3 | +0.2 | 25.1 | 40.0 | 20 | 21.6 | 3 | 29 | 24 | 8 | 0 | 0 | 21.3 | 12 | 12.5 | 8 | 0 | 0 | 0 | 0 |
| | Hama ... ... ... (A) ... ... ... ... | 33.7 | — | 17.8 | — | 25 8 | 40.6 | 20 | 21.4 | 3 | 29 | 24 | 14 | 1 | 0 | 21.5 | 1 | 13.5 | 7 | 0 | 0 | 0 | 0 |
| | Homs ... ... ... ... ... ... ... ... | 30.4 | —0.3 | 14.6 | —1.5 | 22 5 | 39.0 | 20 | 23.0 | 3 | 27 | 17 | 2 | 0 | 0 | 20.0 | 1 | 12.5 | 7 | 0 | 0 | 0 | 0 |
| | Kharabo ... ... ... ... ... ... ... | 33.9 | — | 12.0 | — | 23.0 | 40.9 | 20 | 23.4 | 5 | 27 | 24 | 15 | 1 | 0 | 19.0 | 1 | 6.5 | 14 | 5 | 0 | 0 | 0 |
| | Salamiyie ... ... ... ... ... ... ... | 33.2 | — | 15.0 | — | 24.1 | 41.6 | 20 | 24.0 | 3 | 29 | 24 | 10 | 1 | 0 | 17 5 | * | 10.5 | 7 | 0 | 0 | 0 | 0 |
| | Meselmiyie ... ... ... ... ... ... | 32.7 | — | 16.3 | — | 24.4 | 39.6 | 20 | 24.6 | 5 | 28 | 23 | 8 | 0 | 0 | 21.0 | 23 | 12.0 | 4 | 0 | 0 | 0 | 0 |
| | Fiq ... ... ... ... ... ... ... ... | 31.1 | — | 18.1 | — | 24.6 | 41.3 | 11 | 24.4 | 3 | 29 | 17 | 3 | 1 | 0 | 25.0 | 11 | 14.6 | 8 | 0 | 0 | 0 | 0 |
| | Tell Shihab ... ... ... ... ... ... | 32.1 | — | 15.0 | — | 23.6 | 40.5 | 11 | 24.0 | 3 | 29 | 22 | 5 | 1 | 0 | 20.0 | 11 | 10.0 | 8 | 0 | 0 | 0 | 0 |
| DESERT | Palmyra ... ... (A) ... ... ... ... | 35.5 | —0·6 | 18.8 | —0.9 | 27.2 | 41.0 | 21 | 27.5 | 3 | 30 | 26 | 18 | 3 | 0 | 22.6 | 21 | 14.8 | 4 | 0 | 0 | 0 | 0 |
| EL GEZEIRA | Deir Ezzor ... (A) ... ... ... ... | 36.9 | —0.6 | 22.0 | +0.3 | 29.4 | 44.2 | 21 | 28.4 | 5 | 30 | 27 | 21 | 4 | 0 | 26.3 | 22 | 17.3 | 6 | 0 | 0 | 0 | 0 |
| | Raqqa ... ... ... ... ... ... ... | 35.8 | — | 18.3 | — | 27.0 | 41.3 | 21 | 25.6 | 3 | 30 | 26 | 19 | 2 | 0 | 21.6 | 23·24 | 14.5 | 6 | 0 | 0 | 0 | 0 |
| NORTH EASTERN | Qamishlie ... ... (A) ... ... ... ... | 35 3 | —0 3 | 19.6 | —0.9 | 27.4 | 42.0 | 21·22 | 24.2 | 5 | 29 | 26 | 19 | 2 | 0 | 26.5 | 21 | 11.6 | 4 | 0 | 0 | 0 | 0 |
| | Tell Tamer... ... ... ... ... ... ... | 35.2 | —0.6 | 17.5 | —2.0 | 26.4 | 42.0 | 21 | 27.3 | 3 | 30 | 26 | 18 | 1 | 0 | 21.5 | 23 | 12 5 | 6·8 | 0 | 0 | 0 | 0 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum... ... ... ... ... ... ... ... | 27.9 | —1.8 | 19.3 | +0.2 | 23.6 | 41.4 | 8 | 23.7 | 13 | 24 | 4 | 1 | 1 | 0 | 22.6 | 9 | 16.0 | 4 | 0 | 0 | 0 | 0 |
| | Sidi Barrani ... ... ... ... ... ... | 26.4 | —0.5 | 19.7 | +0.2 | 23.0 | 41.0 | 8 | 23.5 | 3 | 17 | 2 | 1 | 1 | 0 | 23.4 | 29·30 | 14.0 | 14 | 0 | 0 | 0 | 0 |
| | Mersa Matruh ... (A) ... ... ... ... | 27.2 | —0.2 | 18.2 | —0.3 | 22.7 | 40.0 | 8 | 24.0 | 5 | 24 | 3 | 1 | 0 | 0 | 21.0 | 10 | 13.0 | 7 | 0 | 0 | 0 | 0 |
| | Dabaa ... ... ... ... ... ... ... | 26.8 | —1.2 | 17.8 | —0.8 | 22.3 | 36.1 | 8 | 24.0 | 4·6·13 | 19 | 2 | 1 | 0 | 0 | 21.0 | 27 | 12.2 | 7 | 0 | 0 | 0 | 0 |
| | Alexandria ... (A) ... ... ... ... | 28.4 | +0.2 | 20.4 | +0.2 | 24.4 | 42.1 | 10 | 25.4 | 6 | 30 | 3 | 2 | 1 | 0 | 25.2 | 1 | 16.2 | 6 | 0 | 0 | 0 | 0 |
| | Dekheila ... ... (A) ... ... ... ... | 27.3 | +1.1 | 20.4 | —0.1 | 23.8 | 40.6 | 10 | 24.8 | 6 | 28 | 2 | 1 | 1 | 0 | 22.4 | 28 | 15.3 | 7 | 0 | 0 | 0 | 0 |
| | Damietta ... ... ... ... ... ... ... | 27.7 | —2.0 | 20.0 | +0.1 | 23.8 | 38.0 | 10 | 24.9 | 4·5 | 28 | 3 | 1 | 0 | 0 | 24.2 | 10 | 16.4 | 5·6 | 0 | 0 | 0 | 0 |
| | Port Said ... ... (A) ... ... ... ... | 28.6 | +0.2 | 21.8 | —0.7 | 25.2 | 40.4 | 10 | 26.3 | 14 | 30 | 5 | 1 | 1 | 0 | 24.0 | 10 | 18.6 | 5 | 0 | 0 | 0 | 0 |
| | El Arish ... ... ... ... ... ... ... | 29.4 | +0.7 | 19.6 | +0.9 | 24.5 | 41.6 | 10 | 26.4 | 4 | 30 | 6 | 2 | 2 | 0 | 22.5 | 11 | 16.2 | 6.8 | 0 | 0 | 0 | 0 |
| | Ghazza ... ... ... ... ... ... ... | 26.7 | —2.3 | 19.4 | +1·5 | 23.0 | 37.1 | 1 | 24.2 | 3·5 | 23 | 3 | 1 | 0 | 0 | 23.5 | 11 | 15.7 | 8 | 0 | 0 | 0 | 0 |

TABLE A 2 (*continued*).—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

JUNE 1959

| Division | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A + B)/2 | Maximum temperature: Highest | Maximum temperature: Date | Maximum temperature: Lowest | Maximum temperature: Date | Number of days with maximum temperature: >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Minimum temperature: Date | Minimum temperature: Lowest | Minimum temperature: Date | Number of days with minimum temperature: <10° | <5° | <0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour | 30.7 | —1.1 | 18.0 | —0.6 | 24.4 | 41.4 | 10 | 27.3 | 4 | 30 | 14 | 2 | 1 | 0 | 20.3 | 10 | 14.9 | 7 | 0 | 0 | 0 | 0 |
| | Mansoura | 32.7 | —1.1 | 19.1 | +0.3 | 25.9 | 42.2 | 10 | 28.0 | 4 | 30 | 27 | 3 | 1 | 0 | 23.0 | 1·10 | 15.5 | 5 | 0 | 0 | 0 | 0 |
| | Tanta | 33.3 | —0.6 | 17.8 | +0.7 | 25.6 | 43.0 | 10 | 28.6 | 4 | 30 | 27 | 3 | 2 | 0 | 21.0 | 1 | 13.8 | 6 | 0 | 0 | 0 | 0 |
| | Shebin el Kom | 32.8 | —1.8 | 19.4 | +0.7 | 26.1 | 42.7 | 10 | 27.7 | 4 | 30 | 28 | 3 | 1 | 0 | 22.1 | 10 | 16.1 | 6 | 0 | 0 | 0 | 0 |
| | Zagazig | 33.2 | —1.1 | 19.2 | +1.0 | 26.2 | 41.9 | 10 | 29.0 | 4 | 30 | 27 | 5 | 1 | 0 | 25.6 | 1 | 16.0 | 5 | 0 | 0 | 0 | 0 |
| | Zeber (A) | 34.3 | — | 19.6 | — | 27.0 | 45.4 | 10 | 29.8 | 4 | 30 | 29 | 6 | 3 | 1 | 25.2 | 10 | 16.6 | 5 | 0 | 0 | 0 | 0 |
| | Wadi el Natrun | 34.2 | —0.8 | 18.7 | —0.2 | 26.4 | 45.6 | 10 | 29.0 | 3·4 | 30 | 28 | 8 | 2 | 1 | 23.4 | 10 | 15.0 | 5·6 | 0 | 0 | 0 | 0 |
| | Abu Suweir (A) | 35.0 | — | 19.6 | — | 27.3 | 45.0 | 10 | 29.8 | 3 | 30 | 29 | 12 | 3 | 0 | 25.4 | 10 | 16.2 | 6 | 0 | 0 | 0 | 0 |
| Cairo Area | Cairo (A) | 34.1 | —0.6 | 20.0 | 0.0 | 27.0 | 44.5 | 10 | 28.5 | 4 | 30 | 27 | 8 | 3 | 0 | 28.8 | 10 | 17.4 | 5·7 | 0 | 0 | 0 | 0 |
| | Almaza (A) | 34.5 | —0.3 | 20.6 | +0.3 | 27.6 | 46.0 | 10 | 29.8 | 4·5 | 30 | 28 | 7 | 3 | 1 | 30.1 | 1 | 17.9 | 5 | 0 | 0 | 0 | 0 |
| | Abbasiya (H.Q.) | 34.9 | — | 20.3 | — | 27.6 | 46.7 | 10 | 30.2 | 5 | 30 | 30 | 10 | 3 | 1 | 28.6 | 10 | 17.6 | 7 | 0 | 0 | 0 | 0 |
| | Mostafa Hehmi (A) | 33.5 | — | 18.6 | — | 26.0 | 44.5 | 10 | 28.4 | 3 | 30 | 27 | 5 | 3 | 0 | 25.4 | 10 | 15.5 | 5 | 0 | 0 | 0 | 0 |
| | Giza | 34.1 | —0.8 | 18.8 | +0.9 | 26.4 | 45.0 | 10 | 29.8 | 4 | 30 | 29 | 5 | 2 | 0 | 22.6 | 1 | 15.2 | 6 | 0 | 0 | 0 | 0 |
| | Helwan | 34.4 | —0.5 | 20.0 | —0.3 | 27.2 | 43.9 | 10 | 28.6 | 5 | 30 | 27 | 9 | 3 | 0 | 31.3 | 10 | 15.7 | 4 | 0 | 0 | 0 | 0 |
| Upper Egypt | Fayoum | 36.1 | +0.4 | 19.9 | +0.3 | 28.0 | 45.6 | 10 | 30.6 | 4 | 30 | 30 | 17 | 3 | 1 | 24.6 | 10 | 17.0 | 5 | 0 | 0 | 0 | 0 |
| | Beni Suef | 36.5 | +0.5 | 18.8 | +0.2 | 27.6 | 45.7 | 10 | 31.4 | 5 | 30 | 30 | 20 | 3 | 1 | 23.4 | 10 | 15.3 | 5 | 0 | 0 | 0 | 0 |
| | Minya (A) | 36.3 | 0.0 | 19.3 | +0.5 | 27.8 | 45.1 | 1·10 | 30.1 | 5 | 30 | 30 | 17 | 3 | 2 | 26.4 | 10 | 16.4 | 8 | 0 | 0 | 0 | 0 |
| | Assyout (A) | 37.8 | +0.4 | 21.3 | —0.1 | 29.6 | 46.2 | 10 | 31.5 | 4·5 | 30 | 30 | 23 | 9 | 2 | 26.5 | 1·10 | 18.1 | 8 | 0 | 0 | 0 | 0 |
| | Nag Hammadi | 38.5 | +1.1 | 20.9 | +0.8 | 29.7 | 46.2 | 12 | 33.5 | 4 | 30 | 30 | 28 | 9 | 2 | 25.1 | 12 | 16.6 | 6 | 0 | 0 | 0 | 0 |
| | Qena | 40.2 | —0.9 | 23.3 | —0.1 | 31.8 | 46.9 | 12 | 35.0 | 28 | 30 | 30 | 29 | 11 | 5 | 28.2 | 10 | 18.4 | 6 | 0 | 0 | 0 | 0 |
| | Luxor (A) | 41.3 | +0.7 | 22.9 | +0.3 | 32.1 | 47.3 | 12 | 34.4 | 5 | 30 | 30 | 29 | 18 | 7 | 28.1 | 13 | 18.6 | 6 | 0 | 0 | 0 | 0 |
| | Aswan | 43.5 | +1.7 | 24.3 | —1.3 | 33.9 | 49.2 | 12 | 36.2 | 5 | 30 | 30 | 30 | 25 | 9 | 30.4 | 14 | 19.3 | 6 | 0 | 0 | 0 | 0 |
| Western Desert | Siwa | 36.4 | —0.5 | 19.6 | —0.8 | 28.0 | 44.4 | 1 | 29.6 | 4 | 30 | 29 | 23 | 4 | 0 | 23.2 | 10 | 15.6 | 5 | 0 | 0 | 0 | 0 |
| | Bahariya | 36.8 | 0.0 | 18.7 | —0.6 | 27.5 | 45.4 | 10 | 29.7 | 4 | 30 | 29 | 19 | 3 | 1 | 26.7 | 10 | 14.6 | 5 | 0 | 0 | 0 | 0 |
| | Farafra | 37.2 | +0.2 | 20.3 | +0.6 | 28.8 | 4[illegible].5 | 10 | 30.8 | 5 | 30 | 30 | 21 | 5 | 2 | 26.5 | 10 | 16.7 | 6 | 0 | 0 | 0 | 0 |
| | Dakhla | 38.9 | +1.1 | 21.0 | —2.1 | 30.0 | 46.7 | 2 | 32.4 | 5 | 30 | 30 | 26 | 11 | 2 | 29.0 | 12 | 14.4 | 6 | 0 | 0 | 0 | 0 |
| | Kharga | 39.5 | +0.8 | 22.3 | —1.2 | 30.9 | 48.2 | 11 | 32.6 | 5 | 30 | 30 | 28 | 12 | 4 | 29.5 | 12 | 17.2 | 25 | 0 | 0 | 0 | 0 |
| Red Sea | Suez | 35.5 | +0.6 | 20.8 | 0.0 | 28.2 | 44.0 | 10 | 29.8 | 5 | 30 | 29 | 16 | 3 | 0 | 24.6 | 1 | 18.4 | 5 | 0 | 0 | 0 | 0 |
| | Tor | 32.4 | —1.0 | 22.9 | —0.3 | 27.6 | 41.5 | 11 | 26.5 | 5 | 30 | 24 | 5 | 1 | 0 | 25.1 | 11 | 19.4 | 1 | 0 | 0 | 0 | 0 |
| | Hurghada | 33.0 | +1.8 | 23.7 | +0.2 | 28.4 | 40.4 | 11 | 29.6 | 5 | 30 | 27 | 5 | 1 | 0 | 26.6 | 13 | 19.5 | 6 | 0 | 0 | 0 | 0 |
| | Quseir | 32.4 | —0.2 | 25.2 | —0.4 | 28.8 | 37.7 | 11 | 29.6 | 5 | 30 | 29 | 4 | 0 | 0 | 26.2 | 2 | 21.5 | 6 | 0 | 0 | 0 | 0 |

# TABLE A 3.– RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

## JUNE 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh ... ... (A) ... | 3.4 | 0.0 | 2.0 | 4 | 2 | 2 | 0 | 0 | 0 | 0.0 | — | 348.1 | 398.4 | 87 | 1.5 | 2.8 | 2.1 | 1.9 | 3.7 |
| | Bouka ... ... ... ... | 16.1 | — | 12.2 | 4 | 3 | 3 | 1 | 0 | 0 | 0.0 | — | — | — | — | — | 2.7 | 2.3 | 3.2 | 2.5 |
| | Tartous ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.6 | 1.0 | 0.4 | 3.3 |
| WESTERN INLAND | Damascus ... (A) ... | 0.0 | — 0.5 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 373.2 | 393.9 | 95 | 0.1 | 0.5 | 0.8 | 0.3 | 13.1 |
| | Aleppo ... ... (A) ... | 5.0 | + 1.1 | 5.0 | 3 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | 383.0 | 404.6 | 95 | — | 0.6 | 2.3 | 0.7 | 12.1 |
| | Hama ... ... (A) ... | 1.8 | — 0.6 | 1.8 | 3 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | 380.8 | 405.5 | 94 | 0.3 | 0.6 | 1.0 | 0.8 | 10.7 |
| | Homs ... ... ... ... | 0.0 | — 2.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.8 | 1.7 | 1.7 | 6.7 |
| | Kharabo ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.2 | 0.3 | 0.0 | — |
| | Salamiyie ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.5 | 0.4 | 0.2 | 7.4 |
| | Meselmiyie ... ... ... | 1.5 | — | 1.3 | 3 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.9 | 1.0 | 0.8 | 10.1 |
| | Fiq ... ... ... ... ... | tr. | — | tr. | 3·4 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 360.3 | 395.4 | 91 | 1.4 | 2.4 | 1.1 | 0.9 | 8.3 |
| | Tell Shihab ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.2 | 0.5 | 0.7 | 6.2 |
| DESERT | Palmyra ... (A) ... | 0.7 | — 1.4 | 0.7 | 5 | 1 | 0 | 0 | 0 | 0 | 0.0 | — | 360.3 | 389.9 | 92 | 0.0 | 0.2 | 1.2 | 0.4 | 15.3 |
| EL GEZEIRA | Deir Ezzor ... (A) ... | 0.0 | — 1.7 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 362.3 | 401.4 | 90 | 0.1 | 0.2 | 0.5 | 0.5 | 15.9 |
| | Raqqa ... ... ... ... | 1.4 | — 0.3 | 1.4 | 4 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | 369.4 | 394.9 | 94 | 0.3 | 0.1 | 1.2 | 1.4 | 13.6 |
| NORTH EASTERN | Qamishlie ... (A) ... | 9.0 | — 6.3 | 8.6 | 4 | 3 | 1 | 0 | 0 | 0 | 0.0 | — | 357.5 | 379.5 | 94 | 0.5 | 0.5 | 1.0 | 0.8 | 9.3 |
| | Tell Tamer ... ... ... | 2.9 | — | 2.9 | 4 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.1 | 0.7 | 0.5 | 10.7 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.0 | 1.1 | 1.3 | 1.1 | 8.4 |
| | Sidi Barrani ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.8 | 1.8 | 2.3 | 6.6 |
| | Mersa Matruh (A) ... | tr. | + tr. | tr. | 3 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.4 | 2.7 | 1.1 | 2.3 | 8.5 |
| | Dabaa ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.6 | 0.3 | 1.4 | 8.0 |
| | Alexandria ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 359.3 | 424.1 | 84.7 | 1.6 | 2.2 | 0.9 | 1.3 | 5.5 |
| | Dekheila ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.8 | 1.8 | 0.5 | 0.8 | 6.3 |
| | Damietta ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.1 | 0.0 | 0.4 | 5.3 |
| | Port Said ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 326.1 | 424.1 | 76.9 | 1.0 | 1.6 | 0.1 | 0.6 | 7.2 |
| | El Arish ... ... ... | 0.0 | 0.0 | 0·0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.8 | 2.2 | 0.3 | 1.2 | 5.5 |
| | Ghazza ... ... ... ... | 0.4 | + 0.4 | 0.4 | 3 | 1 | 0 | 0 | 0 | 0 | 0.0 | — | 340.7 | 425.3 | 80.0 | 1.8 | 2.9 | 0.5 | 1.5 | 4.3 |

TABLE A 3 (*continued*).—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

JUNE 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | |
| LOWER EGYPT | Damanhour ... ... ... | tr. | + tr. | tr. | 4 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.7 | 1.5 | 0.4 | 5.1 |
| | Mansoura ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.1 | 0.5 | 0.0 | 5.4 |
| | Tanta ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 364.0 | 424.1 | 85.8 | — | 1.3 | 0.5 | 0.0 | 8 8 |
| | Shebin el Kom ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.6 | 0.3 | 0.2 | 6 2 |
| | Zagazig ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.8 | 2.9 | 0.0 | 6.9 |
| | Zaher ... ... (A) ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.5 | 0.3 | 0 0 | 13.9 |
| | Wadi el Natrun ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.0 | 0.3 | 0 0 | 12.2 |
| | Abu Sueir ... (A) ... | tr. | — | tr. | 4 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.6 | 1.3 | 0.4 | 0.0 | 16.1 |
| CAIRO AREA | Cairo ... ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.2 | 2.1 | 0.5 | 0.0 | 14.9 |
| | Almaza ... ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 340.0 | 421.3 | 80.7 | 1·1 | 1.8 | 0.2 | 0.0 | 12.3 |
| | Abbasiya (H.Q.) ... | 0.0 | — | 0·0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.8 | 2.2 | 0.3 | 0 0 | 9.8 |
| | Mostafa Helmi (A) ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.5 | 1.7 | 0.2 | 0 0 | 16.4 |
| | Giza ... ... ... ... | 0.0 | —1.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 355.0 | 421.3 | 84.3 | — | 2.3 | 0.1 | 0.0 | 11.4 |
| | Helwan ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 369.9 | 421.5 | 87.8 | — | 0.9 | 0.4 | 0.0 | 16 0 |
| UPPER EGYPT | Fayoum ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | | — | — | 0.6 | 0.0 | 0.0 | 11.1 |
| | Beni Suef ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.4 | 0.0 | 0.0 | 11.1 |
| | Minya ... ... (A) ... | 0.0 | 0.0 | 0·0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.1 | 0.0 | 0.0 | 15.1 |
| | Asyout ... ... (A) ... | 0.0 | 0.0 | 0·0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0·2 | 0.0 | 0.0 | 21.6 |
| | Nag Hammadi ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.4 | 1.8 | 0.6 | 10.7 |
| | Qena ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.1 | 0.0 | 0.0 | 13.1 |
| | Luxor ... ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.0 | 0.0 | 0.1 | 15.3 |
| | Aswan ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.1 | 0.4 | 0.6 | 17.0 |
| WESTERN DESERT | Siwa ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.2 | 0.1 | 0.2 | 15.7 |
| | Bahariya ... ... ... | 0.0 | —0.2 | 0.0 | — | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.0 | 0.2 | 0.1 | 12.4 |
| | Farafra ... ... ... ... | 0.0 | 0·0 | 0 0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.0 | 0.0 | 0.0 | 24.2 |
| | Dakhla ... ... ... ... | 0·0 | 0·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.0 | 0.1 | 0.0 | 25.1 |
| | Kharga ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0·0 | 0.0 | 0.0 | 0.0 | 17.0 |
| RED SEA | Suez... ... ... ... ... | 0.0 | —0.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.7 | 0.1 | 0.0 | 15.1 |
| | Tor ... ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.0 | 0.1 | 0.0 | 11.0 |
| | Hurghada ... ... ... | 0.0 | 0·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.0 | 0.0 | 0.0 | 23.4 |
| | Quseir ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.0 | 0.0 | 0.0 | 15.7 |

## TABLE A 4.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

### JUNE 1959

| Station | Number of days of occurrence of | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rain | Snow | Hail | Thunderstorm | Fog | Mist | Haze | Sandstorm Duststorm | Sandrising Dustrising | Gales | Cloudy sky | Clear sky |
| **NORTHERN REGION** | | | | | | | | | | | | |
| Jableh ... ... ... (A) ... ... | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 18 |
| Bouka ... ... ... ... ... ... | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Tartous ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Damascus ... ... (A) ... ... | 0 | 0 | 0 | 0 | 2 | 1 | 6 | 1 | 0 | 2 | 0 | 26 |
| Aleppo ... ... ... (A) ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 25 |
| Hama ... ... ... (A) ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 27 |
| Homs ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Kharabo ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | — | — |
| Salamiyie ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | — | — |
| Meselmiyie ... ... ... ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | — | — |
| Fiq ... ... ... ... ... ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| Tell Shihab ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | — | — |
| Palmyra ... ... ... (A) ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 26 |
| Deir Ezzor ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 0 | 0 | 28 |
| Raqqa ... ... ... ... ... ... | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 5 | 6 | 0 | 0 | 25 |
| Qamishlie ... ... (A) ... ... | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 26 |
| Tell Tamer ... ... ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| **SOUTHERN REGION** | | | | | | | | | | | | |
| Sallum ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 24 |
| Sidi Barrani ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | — | — |
| Mersa Matruh ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 20 |
| Alexandria ... ... (A) ... ... | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| Port Said ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| El Arish ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 23 |
| Abu Sueir ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 0 | 0 | 29 |
| Cairo ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 10 | 8 | 0 | 2 | 0 | 0 | 28 |
| Almaza ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 1 | 0 | 0 | 29 |
| Abbasiya (H.Q.) ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| Mostafa Helmi ... (A) ... ... | 0 | 0 | 0 | 0 | 2 | 6 | 1 | 0 | 5 | 0 | 0 | 29 |
| Minya ... ... ... (A) ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Asyout ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Luxor ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Aswan ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 29 |
| Siwa ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Hurghada ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 30 |
| Quseir ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 30 |

# TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## NORTHERN REGION—JUNE 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| COASTAL | Jableh (A) | 281 | 0 | 0 | 1-10 | 0 | 0 | 0 | 5 | 7 | 11 | 19 | 14 | 30 | 75 | 43 | 13 | 18 | 11 | 3 | 0 | 249 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 105 | 59 | 0 | 2 | 2 | 0 | 0 | 187 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 0 | 5 | 7 | 11 | 19 | 14 | 49 | 180 | 105 | 13 | 20 | 13 | 3 | 0 | 439 |
| WESTERN INLAND | Damascus (A) | 181 | 0 | 0 | 1-10 | 1 | 5 | 3 | 8 | 26 | 26 | 13 | 16 | 23 | 18 | 17 | 47 | 37 | 13 | 12 | 7 | 266 |
| | | | | | 11-27 | 1 | 3 | 0 | 1 | 4 | 0 | 1 | 1 | 3 | 3 | 7 | 14 | 33 | 54 | 109 | 28 | 262 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 1 | 0 | 11 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 2 | 8 | 3 | 9 | 30 | 26 | 14 | 11 | 26 | 21 | 24 | 61 | 77 | 70 | 122 | 35 | 539 |
| | Aleppo (A) | 23 | 0 | 0 | 1-10 | 1 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 9 | 20 | 60 | 60 | 21 | 7 | 3 | 185 |
| | | | | | 11-27 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 54 | 160 | 233 | 22 | 4 | 0 | 479 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 22 | 0 | 0 | 0 | 33 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 2 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 11 | 76 | 229 | 315 | 43 | 11 | 3 | 697 |
| | Hama (A) | 51 | 0 | 0 | 1-10 | 5 | 25 | 55 | 20 | 3 | 0 | 12 | 23 | 46 | 27 | 49 | 14 | 35 | 4 | 7 | 4 | 329 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 11 | 72 | 152 | 33 | 48 | 2 | 0 | 0 | 327 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 10 | 0 | 0 | 0 | 13 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 5 | 25 | 55 | 20 | 3 | 0 | 15 | 29 | 57 | 101 | 202 | 47 | 93 | 6 | 7 | 4 | 669 |
| | Kharabo ... | 397 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 16 | 72 | 49 | 3 | 4 | 0 | 145 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 31 | 75 | 48 | 0 | 1 | 0 | 167 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 0 | 0 | 0 | 0 | 11 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 50 | 155 | 97 | 3 | 5 | 0 | 323 |
| | Salamiyiè ... | 197 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 82 | 95 | 14 | 3 | 0 | 0 | 0 | 217 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 82 | 152 | 49 | 2 | 0 | 0 | 0 | 290 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 2 | 0 | 0 | 0 | 0 | 16 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 164 | 261 | 65 | 5 | 0 | 0 | 0 | 523 |
| | Flq ... ... | 40 | 0 | 240 | 1-10 | 13 | 1 | 0 | 1 | 5 | 0 | 0 | 0 | 1 | 5 | 6 | 25 | 74 | 44 | 15 | 2 | 192 |
| | | | | | 11-27 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 28 | 89 | 102 | 16 | 1 | 246 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 18 | 1 | 0 | 2 | 5 | 0 | 0 | 0 | 1 | 5 | 10 | 53 | 165 | 146 | 31 | 3 | 440 |
| DESERT | Palmyra (A) | 24 | 0 | 4 | 1-10 | 0 | 0 | 2 | 2 | 6 | 1 | 1 | 4 | 1 | 7 | 4 | 12 | 148 | 135 | 73 | 7 | 403 |
| | | | | | 11-27 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 11 | 82 | 84 | 99 | 3 | 286 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 2 | 5 | 8 | 1 | 1 | 5 | 1 | 7 | 5 | 23 | 230 | 219 | 174 | 11 | 692 |
| EL GEZEIRA | DeirEzzor (A) | 72 | 0 | 0 | 1-10 | 32 | 8 | 4 | 0 | 1 | 2 | 0 | 0 | 4 | 2 | 20 | 5 | 190 | 132 | 34 | 30 | 464 |
| | | | | | 11-27 | 25 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 53 | 56 | 26 | 18 | 184 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 57 | 11 | 4 | 0 | 1 | 2 | 0 | 0 | 4 | 2 | 21 | 7 | 243 | 188 | 60 | 48 | 648 |
| | Raqqa... ... | 40 | 0 | 14 | 1-10 | 5 | 1 | 2 | 0 | 0 | 0 | 2 | 2 | 21 | 30 | 82 | 19 | 12 | 2 | 0 | 1 | 179 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 90 | 286 | 83 | 4 | 0 | 0 | 0 | 483 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 5 | 1 | 2 | 0 | 0 | 0 | 2 | 2 | 41 | 121 | 371 | 102 | 16 | 2 | 0 | 1 | 666 |
| EASTERN | Qamishlié (A) | 44 | 0 | 0 | 1-10 | 71 | 15 | 10 | 6 | 12 | 2 | 6 | 15 | 22 | 34 | 45 | 64 | 117 | 39 | 56 | 83 | 597 |
| | | | | | 11-27 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 7 | 20 | 14 | 2 | 5 | 18 | 79 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 80 | 15 | 10 | 6 | 12 | 2 | 6 | 16 | 23 | 38 | 52 | 84 | 131 | 41 | 59 | 101 | 676 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## SOUTHERN REGION—JUNE 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| MEDITERRANEAN | Sidi Barrani ... | 3 | 0 | 12 | 1-10 | 58 | 19 | 6 | 10 | 9 | 8 | 7 | 4 | 24 | 49 | 97 | 46 | 337 |
| | | | | | 11-27 | 56 | 2 | 12 | 3 | 6 | 2 | 2 | 2 | 0 | 55 | 179 | 47 | 366 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **114** | **21** | **18** | **13** | **15** | **12** | **9** | **6** | **24** | **104** | **276** | **93** | **705** |
| | Mersa Matruh (A) | 11 | 1 | 1 | 1-10 | 38 | 3 | 7 | 7 | 7 | 5 | 4 | 9 | 67 | 85 | 70 | 66 | 368 |
| | | | | | 11-27 | 6 | 4 | 5 | 9 | 9 | 9 | 3 | 3 | 1 | 14 | 162 | 114 | 339 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **44** | **7** | **12** | **16** | **16** | **14** | **7** | **12** | **68** | **99** | **232** | **180** | **707** |
| | Alexandria (A) | 9 | 1 | 1 | 1-10 | 31 | 24 | 10 | 14 | 27 | 5 | 3 | 0 | 2 | 25 | 112 | 161 | 414 |
| | | | | | 11-27 | 23 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 10 | 127 | 127 | 295 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **54** | **28** | **10** | **14** | **28** | **5** | **3** | **0** | **5** | **35** | **239** | **288** | **709** |
| | Dekheila (A) | 2 | 2 | 0 | 1-10 | 52 | 48 | 15 | 11 | 15 | 13 | 5 | 7 | 0 | 4 | 44 | 83 | 297 |
| | | | | | 11-27 | 105 | 53 | 5 | 0 | 5 | 8 | 1 | 1 | 2 | 5 | 76 | 158 | 419 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **157** | **101** | **20** | **11** | **20** | **21** | **6** | **8** | **2** | **9** | **120** | **241** | **716** |
| | Port Said (A) | 0 | 1 | 0 | 1-10 | 115 | 33 | 24 | 25 | 18 | 10 | 3 | 4 | 31 | 38 | 49 | 88 | 438 |
| | | | | | 11-27 | 118 | 20 | 13 | 7 | 2 | 0 | 4 | 4 | 0 | 19 | 29 | 65 | 281 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **233** | **53** | **37** | **32** | **20** | **10** | **7** | **8** | **31** | **57** | **78** | **153** | **719** |
| | El-Arish ... ... | 74 | 96 | 3 | 1-10 | 101 | 57 | 9 | 1 | 4 | 18 | 18 | 26 | 43 | 9 | 60 | 153 | 499 |
| | | | | | 11-27 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 4 | 2 | 26 | 11 | 48 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **102** | **59** | **10** | **2** | **4** | **18** | **18** | **26** | **47** | **11** | **86** | **164** | **547** |
| LOWER EGYPT | Zaher (A) | 5 | 4 | 0 | 1-10 | 121 | 80 | 26 | 13 | 12 | 9 | 3 | 7 | 46 | 53 | 63 | 112 | 545 |
| | | | | | 11-27 | 49 | 32 | 8 | 2 | 4 | 2 | 3 | 1 | 1 | 5 | 23 | 36 | 166 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **170** | **112** | **34** | **15** | **16** | **11** | **6** | **8** | **47** | **58** | **86** | **148** | **711** |
| CAIRO AREA | Cairo (A) | 9 | 0 | 0 | 1-10 | 102 | 151 | 65 | 24 | 8 | 3 | 4 | 7 | 14 | 42 | 80 | 126 | 626 |
| | | | | | 11-27 | 1 | 26 | 12 | 6 | 4 | 2 | 2 | 1 | 1 | 8 | 17 | 5 | 85 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **103** | **177** | **77** | **30** | **12** | **5** | **6** | **8** | **15** | **50** | **97** | **131** | **711** |
| | Almaza (A) | 0 | 0 | 1 | 1-10 | 80 | 128 | 141 | 48 | 5 | 6 | 7 | 5 | 7 | 3 | 24 | 85 | 539 |
| | | | | | 11-27 | 1 | 16 | 95 | 36 | 2 | 13 | 0 | 3 | 4 | 0 | 5 | 5 | 180 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **81** | **144** | **236** | **84** | **7** | **19** | **7** | **8** | **11** | **3** | **29** | **90** | **719** |
| | Abbasiya (H.Q.) | 25 | 2 | 2 | 1-10 | 199 | 130 | 17 | 11 | 2 | 6 | 2 | 9 | 5 | 16 | 144 | 137 | 678 |
| | | | | | 11-27 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **202** | **140** | **17** | **11** | **2** | **6** | **2** | **9** | **5** | **16** | **144** | **137** | **691** |
| | Mostafa Helmi (A) | 6 | 0 | 0 | 1-10 | 70 | 62 | 31 | 15 | 8 | 7 | 8 | 3 | 7 | 3 | 27 | 33 | 274 |
| | | | | | 11-27 | 124 | 182 | 69 | 15 | 9 | 1 | 0 | 2 | 2 | 0 | 8 | 28 | 440 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **194** | **244** | **100** | **30** | **17** | **8** | **8** | **5** | **9** | **3** | **35** | **61** | **714** |
| | Giza ... ... .. | 26 | 0 | 3 | 1-10 | 219 | 190 | 90 | 13 | 4 | 34 | 0 | 0 | 0 | 2 | 51 | 88 | 691 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **219** | **190** | **90** | **13** | **4** | **34** | **0** | **0** | **0** | **2** | **51** | **88** | **691** |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

### SOUTHERN REGION (*contd.*) — JUNE 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| UPPER EGYPT | Minya (A) | 16 | 0 | 0 | 1–10 | 234 | 14 | 3 | 2 | 0 | 2 | 2 | 1 | 3 | 4 | 13 | 150 | 428 |
| | | | | | 11–27 | 238 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 31 | 276 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **472** | **15** | **4** | **2** | **0** | **2** | **2** | **1** | **3** | **4** | **18** | **181** | **704** |
| | Luxor (A) | 18 | 3 | 5 | 1–10 | 24 | 54 | 22 | 17 | 20 | 24 | 63 | 49 | 24 | 47 | 102 | 173 | 619 |
| | | | | | 11–27 | 5 | 7 | 20 | 6 | 0 | 0 | 0 | 1 | 1 | 0 | 6 | 29 | 75 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **29** | **61** | **42** | **23** | **20** | **24** | **63** | **50** | **25** | **47** | **108** | **202** | **694** |
| WESTERN DESERT | Siwa ... ... ... | 34 | 3 | 0 | 1–10 | 118 | 89 | 89 | 51 | 19 | 27 | 12 | 3 | 0 | 9 | 29 | 57 | 503 |
| | | | | | 11–27 | 37 | 48 | 37 | 5 | 3 | 1 | 5 | 5 | 0 | 0 | 3 | 36 | 180 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **155** | **137** | **126** | **56** | **22** | **28** | **17** | **8** | **0** | **9** | **32** | **93** | **683** |
| | Dakhla ... ... | 17 | 3 | 32 | 1–10 | 29 | 26 | 17 | 11 | 8 | 13 | 14 | 21 | 19 | 47 | 93 | 70 | 368 |
| | | | | | 11–27 | 97 | 39 | 7 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 5 | 143 | 300 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **126** | **65** | **24** | **15** | **11** | **15** | **14** | **21** | **19** | **47** | **98** | **213** | **668** |
| RED SEA | Hurghada ... ... | 4 | 0 | 0 | 1–10 | 22 | 28 | 8 | 2 | 7 | 12 | 2 | 2 | 2 | 6 | 35 | 51 | 177 |
| | | | | | 11–27 | 166 | 21 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 61 | 268 | 521 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 18 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **188** | **49** | **10** | **2** | **7** | **12** | **2** | **2** | **2** | **9** | **96** | **337** | **716** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**JABLEH (A) — JUNE 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 18 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 12 |
| 0300 | 20 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 10 |
| 0600 | 10 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 10 | 1 | 0 | 0 | 0 | 1 | 0 | 20 |
| 0900 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 1 | 2 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 4 | 0 | 0 | 1 | 0 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 12 | 1 | 2 | 1 | 0 | 0 | 26 |
| 1200 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 2 | 1 | 2 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 5 | 0 | 0 | 1 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 8 | 2 | 1 | 3 | 0 | 0 | 26 |
| 1500 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 4 | 2 | 1 | 2 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 10 | 2 | 1 | 2 | 0 | 0 | 25 |
| 1800 | 12 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 3 | 0 | 1 | 0 | 0 | 0 | 18 |
| 2100 | 18 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 3 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 12 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DAMASCUS (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 12 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 1 | 1 | 1 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **5** | **6** | **2** | **1** | **3** | **18** |
| 0300 | 15 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 1 | 1 | 1 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **6** | **4** | **1** | **2** | **1** | **15** |
| 0600 | 16 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **2** | **0** | **0** | **1** | **3** | **0** | **3** | **1** | **1** | **2** | **1** | **0** | **14** |
| 0900 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 5 | 2 | 3 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 3 | 2 | 2 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **5** | **2** | **3** | **5** | **1** | **1** | **2** | **0** | **4** | **2** | **2** | **0** | **27** |
| 1200 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 2 | 4 | 5 | 2 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **2** | **4** | **1** | **0** | **3** | **1** | **1** | **2** | **2** | **5** | **6** | **2** | **29** |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 5 | 11 | 2 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **2** | **0** | **1** | **0** | **1** | **1** | **2** | **2** | **2** | **6** | **11** | **2** | **30** |
| 1800 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 3 | 0 | 3 | 1 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 11 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **0** | **1** | **5** | **1** | **14** | **1** | **24** |
| 2100 | 11 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 2 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **2** | **1** | **0** | **0** | **0** | **1** | **0** | **0** | **4** | **0** | **1** | **8** | **2** | **19** |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### ALEPPO (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 5 | 1 | 1 | 1 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 6 | 0 | 0 | 0 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 11 | 1 | 1 | 1 | [illegible] |
| 0300 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 5 | 1 | 0 | 1 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 1 | 0 | 0 | 0 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 11 | 6 | 1 | 0 | 1 | 2 |
| 0600 | 1 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 1 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 9 | 0 | 0 | 0 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | [illegible] |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 14 | 0 | 0 | 1 | [illegible] |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 5 | 3 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | [illegible] |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 12 | 8 | 4 | 0 | 0 | 3 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 13 | 2 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 11 | 13 | 3 | 0 | 0 | 3 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 12 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 17 | 2 | 0 | 0 | 3 |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 14 | 0 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 16 | 2 | 1 | 0 | 3 |
| 2100 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 14 | 1 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 16 | 2 | 1 | 0 | 3 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### HAMA (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 0 | 3 | 4 | 2 | 0 | 0 | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 2 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 4 | 2 | 0 | 0 | 3 | 3 | 4 | 5 | 1 | 0 | 2 | 0 | 0 | 0 | 27 |
| 0300 | 3 | 0 | 0 | 1-10 | 0 | 7 | 6 | 3 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 7 | 6 | 3 | 0 | 0 | 0 | 2 | 2 | 3 | 1 | 0 | 3 | 0 | 0 | 0 | 27 |
| 0600 | 8 | 0 | 0 | 1-10 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 1 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 2 | 1 | 2 | 0 | 0 | [illegible] |
| 0900 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 3 | 3 | 0 | 0 | 0 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 2 | 4 | 0 | 0 | 0 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 14 | 5 | 7 | 0 | 0 | 0 | [illegible] |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 1 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 4 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 15 | 4 | 5 | 1 | 1 | 1 | 3 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 4 | 5 | 0 | 0 | 0 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17 | 4 | 5 | 0 | 0 | 1 | [illegible] |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 3 | 2 | 3 | 0 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 7 | 0 | 1 | 1 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 10 | 10 | 2 | 4 | 1 | 0 | 0 | |
| 2100 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 9 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 9 | 4 | 8 | 1 | 0 | 0 | 0 | 0 | |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### ALEPPO (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 5 | 1 | 1 | 1 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 6 | 0 | 0 | 0 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 11 | 1 | 1 | 1 | [illegible] |
| 0300 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 5 | 1 | 0 | 1 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 1 | 0 | 0 | 0 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 11 | 6 | 1 | 0 | 1 | [illegible] |
| 0600 | 1 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 1 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 9 | 0 | 0 | 0 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | [illegible] |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 14 | 0 | 0 | 1 | [illegible] |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 5 | 3 | 0 | 0 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 12 | 8 | 4 | 0 | 0 | [illegible] |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 13 | 2 | 0 | 0 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 11 | 13 | 3 | 0 | 0 | [illegible] |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 12 | 1 | 0 | 0 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | [illegible] |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 17 | 2 | 0 | 0 | [illegible] |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 14 | 0 | 1 | 0 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | [illegible] |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 16 | 2 | 1 | 0 | [illegible] |
| 2100 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 14 | 1 | 1 | 0 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 16 | 2 | 1 | 0 | [illegible] |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## HAMA (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 0 | 3 | 4 | 2 | 0 | 0 | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 2 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **3** | **4** | **2** | **0** | **0** | **3** | **3** | **4** | **5** | **1** | **0** | **2** | **0** | **0** | **0** | **27** |
| 0300 | 3 | 0 | 0 | 1-10 | 0 | 7 | 6 | 3 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **7** | **6** | **3** | **0** | **0** | **0** | **2** | **2** | **3** | **1** | **0** | **3** | **0** | **0** | **0** | **27** |
| 0600 | 8 | 0 | 0 | 1-10 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 1 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **2** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **10** | **2** | **1** | **2** | **0** | **0** | **22** |
| 0900 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 3 | 3 | 0 | 0 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 2 | 4 | 0 | 0 | 0 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **2** | **14** | **5** | **7** | **0** | **0** | **0** | **29** |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 1 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 4 | 1 | 0 | 0 | 0 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **15** | **4** | **5** | **1** | **1** | **1** | **36** |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 4 | 5 | 0 | 0 | 0 | 28 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **17** | **4** | **5** | **0** | **0** | **1** | **30** |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 3 | 2 | 3 | 0 | 0 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 7 | 0 | 1 | 1 | 0 | 0 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **2** | **10** | **10** | **2** | **4** | **1** | **0** | **0** | **30** |
| 2100 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 9 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **3** | **9** | **4** | **8** | **1** | **0** | **0** | **0** | **0** | **26** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## KHARABO — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 25 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 5 |
| 0300 | 24 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 0 | 0 | 0 | 6 |
| 0600 | 22 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 0 | 1 | 0 | 8 |
| 0900 | 21 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 3 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 1 | 0 | 0 | 9 |
| 1200 | 11 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 0 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 0 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 10 | 0 | 0 | 0 | 19 |
| 1500 | 4 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 2 | 0 | 0 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 8 | 0 | 0 | 0 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 9 | 10 | 0 | 0 | 0 | 26 |
| 1800 | 11 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 1 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 1 | 0 | 0 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10 | 4 | 1 | 0 | 0 | 19 |
| 2100 | 21 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 1 | 0 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 0 | 1 | 0 | 9 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## SALAMIYIE — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 18 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 12 |
| 0300 | 25 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| 0600 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 12 | 0 | 0 | 0 | 0 | 0 | 24 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 9 | 1 | 0 | 0 | 0 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 2 | 0 | 0 | 0 | 0 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 21 | 3 | 0 | 0 | 0 | 0 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 13 | 7 | 0 | 0 | 0 | 0 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 3 | 17 | 8 | 1 | 0 | 0 | 0 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15 | 8 | 0 | 0 | 0 | 0 | 27 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 16 | 10 | 0 | 0 | 0 | 0 | 30 |
| 1800 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 1 | 1 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 11 | 1 | 1 | 0 | 0 | 0 | 26 |
| 2100 | 15 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 15 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## FIQ — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 13 | 0 | 0 | 1-10 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 1 | 0 | 1 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 7 | 1 | 0 | 1 | 17 |
| 0300 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 2 | 3 | 8 | 0 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 2 | 4 | 9 | 0 | 0 | 0 | 21 |
| 0600 | 3 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 2 | 1 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 13 | 2 | 1 | 0 | 27 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 5 | 6 | 3 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 5 | 3 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 6 | 10 | 9 | 3 | 0 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 12 | 2 | 0 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 16 | 2 | 0 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 18 | 3 | 0 | 27 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 19 | 3 | 0 | 30 |
| 1800 | 3 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 0 | 13 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 3 | 2 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 6 | 5 | 0 | 27 |
| 2100 | 11 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 4 | 0 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 5 | 5 | 0 | 0 | 19 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## PALMYRA (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 | 7 | 1 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 6 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **12** | **10** | **7** | **0** | **30** |
| 0300 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 4 | 4 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 1 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **10** | **12** | **5** | **0** | **29** |
| 0600 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 6 | 5 | 3 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 2 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **12** | **8** | **5** | **0** | **27** |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 10 | 6 | 1 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 2 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **1** | **0** | **0** | **0** | **2** | **13** | **10** | **3** | **0** | **30** |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 5 | 6 | 4 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 7 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **0** | **0** | **1** | **0** | **1** | **7** | **7** | **12** | **0** | **30** |
| 1500 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 7 | 2 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 7 | 1 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **2** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **0** | **4** | **10** | **9** | **1** | **28** |
| 1800 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 5 | 4 | 1 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 5 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **9** | **7** | **9** | **1** | **29** |
| 2100 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 4 | 5 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 3 | 1 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **15** | **7** | **6** | **0** | **29** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DEIR EZZOR (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 5 | 1 | 2 | 20 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 2 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **0** | **12** | **5** | **3** | **2** | **28** |
| 0300 | 5 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 8 | 6 | 0 | 2 | 21 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **0** | **8** | **8** | **0** | **3** | **25** |
| 0600 | 2 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 3 | 2 | 1 | 15 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 1 | 2 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **0** | **8** | **8** | **3** | **3** | **28** |
| 0900 | 2 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 0 | 1 | 16 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 1 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **11** | **9** | **1** | **2** | **28** |
| 1200 | 2 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 7 | 4 | 1 | 0 | 19 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 1 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **1** | **1** | **0** | **0** | **1** | **0** | **0** | **0** | **2** | **0** | **2** | **9** | **8** | **2** | **1** | **28** |
| 1500 | 1 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 8 | 8 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 3 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **0** | **10** | **12** | **3** | **0** | **29** |
| 1800 | 8 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 4 | 1 | 1 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **12** | **8** | **1** | **1** | **22** |
| 2100 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 3 | 3 | 1 | 17 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | [illegible] |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| | | | | All speeds | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **12** | **3** | **5** | **2** | **2[illegible]** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## RAQQA — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 2 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 2 | 2 | 0 | 0 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 6 | 1 | 0 | 0 | 0 | 0 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 11 | 3 | 2 | 0 | 0 | 0 | 28 |
| 0300 | 4 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 3 | 2 | 0 | 1 | 0 | 0 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 9 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 12 | 2 | 0 | 1 | 0 | 0 | 26 |
| 0600 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 2 | 0 | 1 | 0 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15 | 2 | 1 | 0 | 0 | 0 | 22 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 18 | 2 | 3 | 0 | 1 | 0 | 30 |
| 0900 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 6 | 9 | 0 | 0 | 0 | 0 | 23 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 7 | 8 | 9 | 0 | 0 | 0 | 0 | 29 |
| 1200 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 5 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 15 | 3 | 0 | 0 | 0 | 0 | 24 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 17 | 4 | 1 | 0 | 0 | 0 | 30 |
| 1500 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 18 | 1 | 0 | 0 | 0 | 0 | 25 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 20 | 1 | 0 | 0 | 0 | 0 | 29 |
| 1800 | 1 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 13 | 2 | 1 | 0 | 0 | 0 | 19 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 18 | 3 | 1 | 0 | 0 | 0 | 29 |
| 2100 | 2 | 0 | 0 | 1–10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 6 | 0 | 1 | 0 | 0 | 0 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 8 | 2 | 0 | 0 | 0 | 0 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 14 | 2 | 1 | 0 | 0 | 0 | 28 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## QAMISHLIE (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 6 | 1 | 5 | 7 | 28 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| | | | | 28–47 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 7 | 1 | 5 | 8 | 30 |
| 0300 | 1 | 0 | 0 | 1–10 | 5 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 5 | 3 | 4 | 2 | 26 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 5 | 4 | 4 | 3 | 29 |
| 0600 | 3 | 0 | 0 | 1–10 | 4 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | 0 | 1 | 2 | 4 | 0 | 1 | 2 | 22 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | 0 | 1 | 2 | 4 | 0 | 1 | 6 | 27 |
| 0900 | 3 | 0 | 0 | 1–10 | 4 | 1 | 1 | 0 | 0 | 0 | 1 | 3 | 0 | 3 | 2 | 3 | 5 | 1 | 0 | 3 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 1 | 0 | 0 | 0 | 1 | 3 | 0 | 3 | 3 | 3 | 5 | 1 | 0 | 3 | 27 |
| 1200 | 2 | 0 | 0 | 1–10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 6 | 5 | 3 | 1 | 1 | 0 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 | 7 | 4 | 1 | 1 | 0 | 28 |
| 1500 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 1 | 3 | 8 | 2 | 2 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 2 | 0 | 0 | 1 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 1 | 8 | 10 | 2 | 2 | 1 | 29 |
| 1800 | 3 | 0 | 0 | 1–10 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 5 | 5 | 1 | 1 | 6 | 26 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 5 | 5 | 1 | 1 | 6 | 27 |
| 2100 | 2 | 0 | 0 | 1–10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 4 | 5 | 0 | 4 | 6 | 28 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 4 | 5 | 0 | 4 | 6 | 28 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## SALLUM — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 154 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 15 | 0 | 0 | 1-10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 15 |
| 0300 | 11 | 0 | 0 | 1-10 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | 4 | 15 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 4 | 5 | 19 |
| 0600 | 8 | 0 | 0 | 1-10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 7 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 11 | 22 |
| 0900 | 4 | 0 | 0 | 1-10 | 7 | 3 | 4 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 21 |
| | | | | 11-27 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 4 | 4 | 1 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 5 | 26 |
| 1200 | 1 | 0 | 0 | 1-10 | 7 | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 21 |
| | | | | 11-27 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 8 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 29 |
| 1500 | 0 | 0 | 0 | 1-10 | 8 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 23 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 30 |
| 1800 | 4 | 0 | 0 | 1-10 | 5 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 9 | 26 |
| 2100 | 15 | 0 | 0 | 1-10 | 5 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 13 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 15 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MERSA MATRUH (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 5 | 10 | 5 | 1 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 5 | 11 | 7 | 1 | 28 |
| 0300 | 2 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 7 | 2 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 10 | 7 | 5 | 1 | 28 |
| 0600 | 2 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 1 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 7 | 3 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 10 | 11 | 4 | 28 |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 12 | 6 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 12 | 12 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 |
| | | | | 11-27 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 9 | 11 | 26 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 9 | 14 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 13 | 9 | 24 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 13 | 11 | 30 |
| 1800 | 2 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 4 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 5 | 2 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 17 | 6 | 28 |
| 2100 | 3 | 0 | 0 | 1-10 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 7 | 6 | 1 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 2 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 3 | 1 | 0 | 1 | 0 | 1 | 7 | 9 | 3 | 27 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEXANDRIA (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 3 | 0 | 0 | 1–10 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 5 | 13 | 24 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 7 | 13 | 27 |
| 0300 | 3 | 0 | 0 | 1–10 | 1 | 1 | 0 | 1 | 2 | 1 | 0 | 1 | 0 | 2 | 6 | 9 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 1 | 2 | 1 | 0 | 1 | 0 | 2 | 7 | 11 | 27 |
| 0600 | 0 | 0 | 0 | 1–10 | 3 | 0 | 0 | 3 | 2 | 0 | 1 | 0 | 0 | 3 | 5 | 4 | 21 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 3 | 2 | 0 | 1 | 0 | 0 | 4 | 9 | 6 | 30 |
| 0900 | 0 | 0 | 0 | 1–10 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | 11 |
| | | | | 11–27 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 6 | 19 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 13 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| | | | | 11–27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 14 | 27 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 14 | 30 |
| 1500 | 0 | 0 | 0 | 1–10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 |
| | | | | 11–27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 17 | 26 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 18 | 30 |
| 1800 | 0 | 0 | 0 | 1–10 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 22 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 12 | 30 |
| 2100 | 2 | 0 | 0 | 1–10 | 3 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 13 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 15 | 28 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DEKHEILA (A)—JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1—10 | 4 | 2 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 3 | 5 | 19 |
| | | | | 11—27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 10 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 3 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 4 | 11 | 29 |
| 0300 | 0 | 0 | 0 | 1—10 | 2 | 1 | 1 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 4 | 5 | 18 |
| | | | | 11—27 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 12 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 1 | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 7 | 9 | 30 |
| 0600 | 0 | 0 | 0 | 1—10 | 3 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 3 | 4 | 17 |
| | | | | 11—27 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 7 | 13 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 1 | 6 | 11 | 30 |
| 0900 | 0 | 0 | 0 | 1—10 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 9 |
| | | | | 11—27 | 5 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 8 | 21 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 7 | 11 | 30 |
| 1200 | 0 | 0 | 0 | 1—10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11—27 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 29 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 30 |
| 1500 | 0 | 0 | 0 | 1—10 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 11—27 | 12 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 27 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 30 |
| 1800 | 0 | 0 | 0 | 1—10 | 3 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 |
| | | | | 11—27 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 18 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 6 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 30 |
| 2100 | 0 | 0 | 0 | 1—10 | 6 | 3 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 20 |
| | | | | 11—27 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 5 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 30 |

TABLE A 6.- NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## PORT SAID (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 6 | 1 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 3 | 4 | 4 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 1 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **1** | **1** | **2** | **2** | **1** | **1** | **0** | **0** | **6** | **4** | **5** | **29** |
| 0300 | 1 | 0 | 0 | 1-10 | 4 | 0 | 1 | 2 | 2 | 0 | 1 | 0 | 1 | 7 | 2 | 2 | 22 |
| | | | | 11-27 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **3** | **1** | **2** | **2** | **0** | **1** | **1** | **1** | **9** | **2** | **2** | **29** |
| 0600 | 0 | 0 | 0 | 1-10 | 5 | 3 | 0 | 1 | 0 | 1 | 0 | 2 | 5 | 4 | 2 | 2 | 25 |
| | | | | 11-27 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **3** | **6** | **2** | **0** | **1** | **0** | **2** | **5** | **5** | **2** | **3** | **30** |
| 0900 | 0 | 0 | 0 | 1-10 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 7 | 22 |
| | | | | 11-27 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **10** | **1** | **0** | **2** | **1** | **0** | **0** | **0** | **3** | **2** | **2** | **9** | **30** |
| 1200 | 0 | 0 | 0 | 1-10 | 5 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 |
| | | | | 11-27 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **22** | **3** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **30** |
| 1500 | 0 | 0 | 0 | 1-10 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11-27 | 14 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 26 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **17** | **2** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **8** | **30** |
| 1800 | 0 | 0 | 0 | 1-10 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| | | | | 11-27 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | **13** | **2** | **1** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **8** | **30** |
| 2100 | 0 | 0 | 0 | 1-10 | 4 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 22 |
| | | | | 11-27 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | **7** | **3** | **1** | **3** | **0** | **0** | **0** | **0** | **0** | **1** | **5** | **10** | **30** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## EL ARISH—JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 8 | 0 | 0 | 1—10 | 2 | 2 | 0 | 1 | 0 | 1 | 3 | 1 | 5 | 2 | 2 | 2 | 21 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 0 | 1 | 0 | 1 | 3 | 1 | 5 | 2 | 3 | 2 | 22 |
| 0300 | 7 | 0 | 0 | 1—10 | 3 | 0 | 0 | 0 | 1 | 4 | 4 | 5 | 6 | 0 | 0 | 0 | 23 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 1 | 4 | 4 | 5 | 6 | 0 | 0 | 0 | 23 |
| 0600 | 4 | 0 | 0 | 1—10 | 3 | 1 | 0 | 0 | 1 | 2 | 2 | 1 | 6 | 4 | 0 | 4 | 24 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 0 | 1 | 2 | 2 | 2 | 7 | 4 | 0 | 4 | 26 |
| 0900 | 0 | 0 | 0 | 1—10 | 6 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 12 | 27 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 6 | 13 | 30 |
| 1200 | 0 | 0 | 0 | 1—10 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 23 |
| | | | | 11—27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 7 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 15 | 30 |
| 1500 | 0 | 0 | 0 | 1—10 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 16 | 30 |
| 1800 | 7 | 0 | 0 | 1—10 | 12 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 23 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 23 |
| 2100 | 12 | 0 | 0 | 1—10 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 1 | 17 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 1 | 18 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABU SUEIR (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 9 | 0 | 0 | 1-10 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | 4 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | 4 | 21 |
| 0300 | 14 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 10 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 10 | 0 | 0 | 16 |
| 0600 | 7 | 0 | 0 | 1-10 | 4 | 3 | 0 | 3 | 0 | 7 | 0 | 0 | 0 | 0 | 3 | 2 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 0 | 3 | 0 | 7 | 0 | 0 | 0 | 0 | 4 | 2 | 23 |
| 0900 | 4 | 0 | 0 | 1-10 | 4 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 5 | 20 |
| | | | | 11-27 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 7 | 26 |
| 1200 | 1 | 0 | 0 | 1-10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 14 |
| | | | | 11-27 | 3 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 4 | 29 |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 |
| | | | | 11-27 | 7 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 24 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 9 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 30 |
| 1800 | 0 | 0 | 0 | 1-10 | 7 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 5 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 30 |
| 2100 | 5 | 0 | 0 | 1-10 | 5 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 25 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## CAIRO (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 8 | 0 | 0 | 1-10 | 3 | 6 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 6 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 22 |
| 0300 | 7 | 0 | 0 | 1-10 | 0 | 5 | 1 | 2 | 3 | 0 | 2 | 0 | 2 | 5 | 2 | 1 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 5 | 1 | 2 | 3 | 0 | 2 | 0 | 2 | 5 | 2 | 1 | 23 |
| 0600 | 0 | 0 | 0 | 1-10 | 3 | 3 | 5 | 1 | 0 | 0 | 0 | 1 | 5 | 0 | 5 | 5 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 5 | 2 | 0 | 0 | 0 | 2 | 5 | 0 | 5 | 5 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 5 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 7 | 27 |
| | | | | 11-27 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 7 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 7 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 4 | 3 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 6 | 7 | 23 |
| | | | | 11-27 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 6 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 7 | 7 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 17 |
| | | | | 11-27 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 9 | 30 |
| 1800 | 0 | 0 | 0 | 1-10 | 5 | 9 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 4 | 26 |
| | | | | 11-27 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 10 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 4 | 30 |
| 2100 | 3 | 0 | 0 | 1-10 | 2 | 11 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 26 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 11 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 27 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ALMAZA (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 0 | 9 | 5 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 25 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 10 | 5 | 3 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | . | 29 |
| 0300 | 1 | 0 | 0 | 1-10 | 2 | 4 | 4 | 3 | 3 | 1 | 0 | 1 | 0 | 0 | 4 | 3 | 25 |
| | | | | 11-27 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 5 | 5 | 3 | 3 | 2 | 0 | 2 | 0 | 0 | 4 | 3 | 29 |
| 0600 | 0 | 0 | 0 | 1-10 | 6 | 10 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 23 |
| | | | | 11-27 | 0 | 0 | 3 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 10 | 5 | 3 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 5 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 21 |
| | | | | 11-27 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 10 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 5 | 1 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 8 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 19 |
| | | | | 11-27 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 3 | 9 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 6 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 9 |
| | | | | 11-27 | 2 | 6 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 11 | 8 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 30 |
| 1800 | 0 | 0 | 0 | 1-10 | 8 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 15 |
| | | | | 11-27 | 0 | 2 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 2 | 15 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 30 |
| 2100 | 0 | 0 | 0 | 1-10 | 3 | 12 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 |
| | | | | 11-27 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 12 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABBASIYA (H.Q.) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 5 | 0 | 0 | 1-10 | 8 | 3 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 5 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 3 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 5 | 25 |
| 0300 | 11 | 0 | 0 | 1-10 | 4 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 3 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 3 | 19 |
| 0600 | 2 | 0 | 0 | 1-10 | 7 | 4 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 5 | 7 | 27 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 5 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 5 | 7 | 28 |
| 0900 | 0 | 0 | 0 | 1-10 | 7 | 5 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 5 | 6 | 29 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 5 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 5 | 6 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 7 | 7 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 11 | 28 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 7 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 12 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 9 | 28 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 9 | 30 |
| 1800 | 1 | 0 | 0 | 1-10 | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 29 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 29 |
| 2100 | 1 | 0 | 0 | 1-10 | 13 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 29 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 29 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MOSTAFA HELMI (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1–10 | 4 | 6 | 2 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 4 | 2 | 21 |
| | | | | 11–27 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 9 | 2 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 4 | 2 | 29 |
| 0300 | 2 | 0 | 0 | 1–10 | 6 | 4 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 5 | 2 | 22 |
| | | | | 11–27 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 5 | 2 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 5 | 3 | 28 |
| 0600 | 0 | 0 | 0 | 1–10 | 7 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 7 | 0 | 18 |
| | | | | 11–27 | 5 | 0 | 4 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 0 | 5 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 7 | 1 | 30 |
| 0900 | 0 | 0 | 0 | 1–10 | 4 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 1 | 12 |
| | | | | 11–27 | 5 | 4 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 18 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 6 | 7 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 3 | 30 |
| 1200 | 1 | 0 | 0 | 1–10 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 11–27 | 6 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 14 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 29 |
| 1500 | 0 | 0 | 0 | 1–10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | 11–27 | 9 | 10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 27 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 30 |
| 1800 | 0 | 0 | 0 | 1–10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 10 | 15 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 16 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 2100 | 0 | 0 | 0 | 1–10 | 3 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11–27 | 8 | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 11 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### GIZA — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 0 | 1—10 | 8 | 7 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 5 | 25 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 7 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 5 | 25 |
| 0300 | 7 | 0 | 0 | 1—10 | 7 | 6 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 7 | 23 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 6 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 7 | 23 |
| 0600 | 1 | 0 | 0 | 1—10 | 12 | 3 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 2 | 3 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 3 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 2 | 3 | 29 |
| 0900 | 0 | 0 | 0 | 1—10 | 5 | 7 | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 6 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 7 | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 6 | 30 |
| 1200 | 0 | 0 | 0 | 1—10 | 9 | 11 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 4 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 11 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 4 | 30 |
| 1500 | 0 | 0 | 0 | 1—10 | 11 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 30 |
| 1800 | 1 | 0 | 0 | 1—10 | 9 | 11 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 11 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 29 |
| 2100 | 1 | 0 | 0 | 1—10 | 10 | 10 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 10 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 29 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MINYA (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 20 |
| | | | | 11-27 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 29 |
| 0300 | 2 | 0 | 0 | 1-10 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 21 |
| | | | | 11-27 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 28 |
| 0600 | 2 | 0 | 0 | 1-10 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 18 |
| | | | | 11-27 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 28 |
| 0900 | 0 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 6 | 12 |
| | | | | 11-27 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 12 | 30 |
| 1200 | 1 | 0 | 0 | 1-10 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 10 |
| | | | | 11-27 | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 22 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 29 |
| 1500 | 1 | 0 | 0 | 1-10 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 11 |
| | | | | 11-27 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 25 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 29 |
| 1900 | 2 | 0 | 0 | 1-10 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 20 |
| | | | | 11-27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 28 |
| 2100 | 2 | 0 | 0 | 1-10 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 16 |
| | | | | 11-27 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 22 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 28 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ASYOUT (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 15 | 5 | 2 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **2** | **16** | **5** | **2** | **27** |
| 0300 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 13 | 7 | 2 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **3** | **13** | **7** | **2** | **26** |
| 0600 | 3 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 15 | 6 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **5** | **15** | **6** | **27** |
| 0900 | 3 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 12 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **9** | **16** | **27** |
| 1200 | 1 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 12 |
| | | | | 11-27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **1** | **0** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **3** | **20** | **29** |
| 1500 | 0 | 0 | 0 | 1-10 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **2** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **20** | **30** |
| 1800 | 6 | 0 | 0 | 1-10 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 12 | 6 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **1** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **12** | **6** | **24** |
| 2100 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 10 | 3 | 3 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **2** | **10** | **4** | **3** | **21** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## LUXOR (A) — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 18 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 1 | 1 | 2 | 3 | 0 | 0 | 0 | 1 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 0 | 1 | 1 | 2 | 3 | 0 | 0 | 0 | 1 | 12 |
| 0300 | 20 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 9 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 10 |
| 0600 | 21 | 0 | 0 | 1-10 | 6 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 9 |
| 0900 | 0 | 0 | 0 | 1-10 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 12 | 23 |
| | | | | 11-27 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 17 | 30 |
| 1200 | 3 | 0 | 0 | 1-10 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 13 | 20 |
| | | | | 11-27 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 17 | 27 |
| 1500 | 1 | 0 | 0 | 1-10 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 13 | 23 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 16 | 29 |
| 1800 | 5 | 0 | 0 | 1-10 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 4 | 4 | 8 | 21 |
| | | | | 11-27 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 4 | 5 | 8 | 25 |
| 2100 | 14 | 0 | 0 | 1-10 | 1 | 3 | 0 | 1 | 0 | 3 | 0 | 2 | 1 | 0 | 2 | 3 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 0 | 1 | 0 | 3 | 0 | 2 | 1 | 0 | 2 | 3 | 16 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ASWAN — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 19 | 0 | 0 | 1–10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 11 |
| 0300 | 22 | 0 | 0 | 1–10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 0600 | 15 | 0 | 0 | 1–10 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 0900 | 4 | 0 | 0 | 1–10 | 12 | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 23 |
| | | | | 11–27 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 9 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 |
| 1200 | 3 | 0 | 0 | 1–10 | 13 | 5 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 |
| | | | | 11–27 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 6 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 27 |
| 1500 | 2 | 0 | 0 | 1–10 | 15 | 3 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 26 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 3 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 28 |
| 1800 | 3 | 0 | 0 | 1–10 | 12 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 7 | 25 |
| | | | | 11–27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 7 | 27 |
| 2100 | 6 | 0 | 0 | 1–10 | 12 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 22 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 24 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## SIWA — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 7 | 0 | 0 | 1-10 | 0 | 6 | 6 | 2 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 8 | 8 | 2 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 0300 | 13 | 0 | 0 | 1-10 | 8 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 0600 | 8 | 0 | 0 | 1-10 | 10 | 4 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 4 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 0900 | 0 | 0 | 0 | 1-10 | 11 | 4 | 0 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 2 | 5 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 4 | 0 | 2 | 1 | 2 | 2 | 0 | 0 | 0 | 2 | 6 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 6 | 6 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 5 | 22 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 6 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 2 | 8 | 30 |
| 1500 | 1 | 0 | 0 | 1-10 | 6 | 4 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 17 |
| | | | | 11-27 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 4 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 8 | 29 |
| 1800 | 2 | 0 | 0 | 1-10 | 11 | 4 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 4 | 24 |
| | | | | 11-27 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 7 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 4 | 28 |
| 2100 | 1 | 0 | 0 | 1-10 | 0 | 4 | 4 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 0 | 15 |
| | | | | 11-27 | 0 | 5 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 9 | 12 | 3 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | 0 | 29 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## BAHARIYA — JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 7 | 0 | 0 | 1-10 | 6 | 7 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **8** | **7** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **23** |
| 0300 | 17 | 0 | 0 | 1-10 | 3 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **6** | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **13** |
| 0600 | 11 | 0 | 0 | 1-10 | 4 | 10 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **10** | **3** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **19** |
| 0900 | 4 | 0 | 0 | 1-10 | 6 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 17 |
| | | | | 11-27 | 2 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **8** | **9** | **1** | **2** | **1** | **0** | **1** | **0** | **0** | **1** | **0** | **3** | **26** |
| 1200 | 1 | 0 | 0 | 1-10 | 9 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 |
| | | | | 11-27 | 4 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **13** | **4** | **4** | **2** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **5** | **29** |
| 1500 | 0 | 0 | 0 | 1-10 | 6 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 |
| | | | | 11-27 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **9** | **3** | **1** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **7** | **30** |
| 1800 | 4 | 0 | 0 | 1-10 | 8 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 17 |
| | | | | 11-27 | 2 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **10** | **7** | **3** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **26** |
| 2100 | 3 | 0 | 0 | 1-10 | 4 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 1 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **14** | **7** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **27** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DAKHLA—JUNE 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 1 | 0 | 0 | 1—10 | 0 | 2 | 0 | 2 | 0 | 1 | 1 | 2 | 1 | 4 | 7 | 3 | 23 |
| | | | | 11—27 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **4** | **0** | **2** | **0** | **1** | **1** | **2** | **1** | **4** | **7** | **4** | **29** |
| 0300 | 1 | 0 | 0 | 1—10 | 0 | 3 | 0 | 3 | 0 | 0 | 3 | 3 | 3 | 6 | 4 | 2 | 27 |
| | | | | 11—27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **3** | **2** | **3** | **0** | **0** | **3** | **3** | **3** | **6** | **4** | **2** | **29** |
| 0600 | 0 | 0 | 0 | 1—10 | 2 | 3 | 1 | 0 | 1 | 1 | 1 | 2 | 0 | 3 | 4 | 5 | 23 |
| | | | | 11—27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **4** | **1** | **0** | **1** | **1** | **1** | **2** | **0** | **3** | **4** | **9** | **30** |
| 0900 | 0 | 0 | 0 | 1—10 | 2 | 1 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 10 |
| | | | | 11—27 | 7 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 20 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **4** | **1** | **2** | **1** | **0** | **1** | **0** | **0** | **0** | **1** | **11** | **30** |
| 1200 | 1 | 0 | 0 | 1—10 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 8 |
| | | | | 11—27 | 9 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 21 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **2** | **2** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **11** | **29** |
| 1500 | 1 | 0 | 0 | 1—10 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11—27 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 26 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **4** | **1** | **1** | **0** | **1** | **0** | **0** | **0** | **0** | **2** | **15** | **29** |
| 1800 | 0 | 0 | 0 | 1—10 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 9 | 24 |
| | | | | 11—27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **10** | **2** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **0** | **4** | **12** | **30** |
| 2100 | 4 | 0 | 0 | 1—10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 11 | 2 | 20 |
| | | | | 11—27 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **11** | **4** | **26** |

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 0000 U.T. — JUNE 1959.

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 26 | 1007mb | 1013mb | 1000 | 26 | 20 7 | 24.5 | 17.5 | 26 | 17.6 |
| 1000 ... ... ... ... | 26 | 105 | 153 | 42 | 26 | 20·5 | 24.8 | 16.9 | 26 | 16.9 |
| 850 ... ... ... ... | 26 | 1503 | 1544 | 1450 | 26 | 17.2 | 25.4 | 14.3 | 20 | 2.5 |
| 700 ... ... ... ... | 26 | 3129 | 3189 | 3081 | 26 | 8.7 | 11.6 | 4.0 | 13 | — 0.9 |
| 600 ... ... ... ... | 26 | 4389 | 4451 | 4315 | 26 | 3.4 | 3.8 | — 4.9 | 8 | — 9.8 |
| 500 ... ... ... ... | 26 | 5820 | 5884 | 5720 | 26 | — 8.9 | — 6.0 | —15.4 | 4 | —17.7 |
| 400 ... ... ... ... | 25 | 7562 | 7577 | 7373 | 25 | —17.0 | —15.5 | —27.8 | 3 | —30.3 |
| 300 ... ... ... ... | 23 | 9563 | 9648 | 9384 | 23 | —35.0 | —29.5 | —41.5 | — | — |
| 200 ... ... ... ... | 3 | 12313 | 12324 | 12300 | 3 | —51.3 | —50.6 | —51.7 | — | — |
| 150 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—URPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 1200 U.T. — JUNE 1959

| Pressure surface (millibar) | Hights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dow point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 28 | 1008mb | 1014mb | 1001mb | 28 | 26.0 | 28.0 | 24.0 | 28 | 19.0 |
| 1000 ... ... ... ... | 28 | 112 | 163 | 51 | 28 | 25.2 | 27.8 | 22.0 | 28 | 18.0 |
| 850 ... ... ... ... | 28 | 1522 | 1588 | 1438 | 28 | 18.7 | 22.1 | 11.4 | 23 | 1·9 |
| 700 ... ... ... ... | 28 | 3162 | 3227 | 3101 | 28 | 10.5 | 13.8 | 6.2 | 14 | 0.5 |
| 600 ... ... ... ... | 28 | 4428 | 4501 | 4357 | 28 | 2.6 | 6.2 | — 1.8 | 10 | —11.2 |
| 500 ... ... ... ... | 28 | 5859 | 5992 | 5787 | 28 | — 7.7 | — 2.0 | —12.4 | 2 | —16.9 |
| 400 ... ... ... ... | 28 | 7569 | 7626 | 7515 | 28 | —18.5 | —15.5 | —24.9 | 2 | —36.1 |
| 300 ... ... ... ... | 20 | 9640 | 9748 | 9532 | 20 | —33.3 | —22.2 | —38.5 | — | — |
| 200 ... ... ... ... | 4 | 12390 | 12442 | 12326 | 4 | —53.2 | —48.2 | —55.8 | — | — |
| 150 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A)—0000 U.T. — JUNE 1959.

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 30 | 1005mb | 1010mb | 1000mb | 30 | 22.3 | 29.4 | 18.0 | 30 | 14.9 |
| 1000 ... ... ... ... | 30 | 11.7 | 15.7 | 7.0 | 30 | 22.0 | 30.0 | 18.3 | 30 | 15.2 |
| 850 ... ... ... ... | 30 | 1518 | 1564 | 1477 | 30 | 18.3 | 25.7 | 9.7 | 25 | 1.8 |
| 700 ... ... ... ... | 30 | 3156 | 3224 | 3095 | 30 | 10.1 | 12.8 | 4.5 | 9 | —6.4 |
| 600 ... ... ... ... | 30 | 4417 | 4522 | 4337 | 30 | 1.9 | 5.4 | — 2.8 | 5 | —10.8 |
| 500 ... ... ... ... | 30 | 5860 | 5977 | 5775 | 30 | — 7.8 | — 4.1 | —12.0 | 4 | —19.6 |
| 400 ... ... ... ... | 30 | 7562 | 7682 | 7456 | 30 | —18.9 | —11.5 | —23.6 | — | — |
| 300 ... ... ... ... | 26 | 9649 | 9741 | 9485 | 26 | —32.2 | —26.7 | —36.8 | — | — |
| 200 ... ... ... ... | 21 | 12394 | 12537 | 12246 | 21 | —50.5 | —46.5 | —52.4 | — | — |
| 150 ... ... ... ... | 15 | 14212 | 14368 | 14081 | 15 | —60.6 | —58.1 | —63.8 | — | — |
| 100 ... ... ... ... | 7 | 16684 | 16816 | 16610 | 7 | —73.9 | —68.3 | —78.8 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A)—1200 U.T. — JUNE 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1004mb | 1009mb | 999mb | 29 | 33.4 | 44.2 | 28.0 | 29 | 13.4 |
| 1000 ... ... ... ... | 27 | 115 | 160 | 70 | 27 | 32.9 | 44.2 | 27.6 | 27 | 12.9 |
| 850 ... ... ... ... | 29 | 1538 | 1590 | 1486 | 29 | 19.3 | 28.5 | 16.6 | 25 | 3.2 |
| 700 ... ... ... ... | 29 | 3178 | 3234 | 3113 | 29 | 9.6 | 13.7 | 4.7 | 10 | —4.7 |
| 600 ... ... ... ... | 29 | 4442 | 4500 | 4358 | 29 | 2.5 | 8.0 | — 2.7 | 5 | —10.4 |
| 500 ... ... ... ... | 29 | 5885 | 5969 | 5801 | 29 | — 7.1 | — 0.6 | —13.6 | 6 | —11.8 |
| 400 ... ... ... ... | 29 | 7591 | 7708 | 7471 | 29 | —18.3 | — 8.6 | —25.1 | — | — |
| 300 ... ... ... ... | 24 | 9677 | 9833 | 9525 | 24 | —31.3 | —23.1 | —35.3 | — | — |
| 200 ... ... ... ... | 14 | 12511 | 12687 | 12322 | 14 | —48.8 | —48.0 | —52.9 | — | — |
| 150 ... ... ... ... | 10 | 14281 | 14598 | 14150 | 10 | —60.8 | —51.3 | —64.8 | — | — |
| 100 ... ... ... ... | 5 | 16730 | 16821 | 16630 | 5 | —72.6 | —69.0 | —76.3 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 0000 U.T. — JUNE 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 995 | 998mb | 992 | 29 | 28.7 | 34.2 | 23.5 | 29 | 5.6 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 29 | 1487 | 1512 | 1452 | 29 | 23.4 | 30.6 | 14.7 | 8 | — 2.2 |
| 700 ... ... ... ... | 29 | 3143 | 3189 | 3081 | 29 | 11.8 | 14.1 | 7.4 | 9 | — 7.6 |
| 600 ... ... ... ... | 29 | 4410 | 4466 | 4345 | 29 | 1.8 | 4.8 | — 3.9 | 10 | —12.6 |
| 500 ... ... ... ... | 29 | 5856 | 5912 | 5805 | 29 | — 7.4 | — 1.2 | —11.7 | 5 | —19.5 |
| 400 ... ... ... ... | 29 | 7540 | 7611 | 7532 | 29 | —17.7 | —10.5 | —22.3 | — | — |
| 300 ... ... ... ... | 29 | 9660 | 9743 | 9600 | 29 | —31.9 | —27.9 | —34.8 | — | — |
| 200 ... ... ... ... | 29 | 12406 | 12500 | 12335 | 29 | —52.6 | —50.0 | —54.0 | — | — |
| 150 ... ... ... ... | 18 | 14203 | 14274 | 14133 | 18 | —65.9 | —60.5 | —68.0 | — | — |
| 100 ... ... ... ... | 10 | 16573 | 16662 | 16512 | 10 | —78·8 | —74.8 | —80.7 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 1200 U.T. — JUNE 1959.

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 27 | 994mb | 998mb | 991mb | 27 | 41.7 | 48.0 | 35.1 | 27 | 4.5 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 27 | 1513 | 1545 | 1479 | 27 | 26.1 | 31.7 | 18.5 | 6 | — 1.7 |
| 700 ... ... ... ... | 27 | 3185 | 3239 | 3129 | 27 | 13.8 | 16.7 | 9.2 | 12 | — 9.4 |
| 600 ... ... ... ... | 27 | 4460 | 4523 | 4414 | 27 | 3.7 | 7.9 | 1.4 | 10 | —11.4 |
| 500 ... ... ... ... | 27 | 5912 | 5971 | 5858 | 27 | — 5.7 | — 1.2 | — 9.6 | 6 | —21.5 |
| 400 ... ... ... ... | 27 | 7631 | 7704 | 7581 | 27 | —16.0 | —10.6 | —21.2 | — | — |
| 300 ... ... ... ... | 27 | 9739 | 9822 | 9668 | 27 | —32.9 | —22.5 | —34.1 | — | — |
| 200 ... ... ... ... | 27 | 12500 | 12602 | 12369 | 27 | —51.7 | —48.1 | —57.4 | — | — |
| 150 ... ... ... ... | 25 | 14311 | 14415 | 14164 | 25 | —64.9 | —63.0 | —67.0 | — | — |
| 100 ... ... ... ... | 23 | 16709 | 16813 | 16560 | 23 | —76.5 | —72.9 | —80 3 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 0000 U.T. — JUNE 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mersa Matruh (A) ... ... ... ... ... ... ... | 4631 (26) | 594 (26) | — 8·6 (7) | 4890 | 563 | — | 3780 | 642 | — | — | — | — | — | — | — | — | — | — | 13050 | — | 230 | 107 |
| Cairo (A) ... .. ... ... ... ... ... | 4703 (30) | 579 (30) | —11.8 (5) | 5200 | 539 | — | 3880 | 637 | — | 13296 (3) | 176 (3) | —54.7 (3) | 14200 | 148 | —58.7 | 12490 | 200 | —52·0 | 12180 | 203 | 250 | 130 |
| Aswan ... ... ... ... ... ... ... ... ... ... | 4762 (29) | 574 (29) | —11·1 (5) | 5350 | 534 | — | 4200 | 613 | — | 14428 (3) | 146 (3) | —67.4 (3) | 15600 | 118 | —74.5 | 13420 | 170 | —61.4 | 11000 | 259 | 200 | 83 |

N = Total number of observations.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE ; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 1200 U.T. — JUNE 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A)... ... ... ... ... ... ... | 4461 (28) | 595 (28) | —18.6 (28) | 5360 | — | — | 3050 | — | — | 13435 (07) | 176 (07) | —58.8 (07) | 16600 | — | — | 9250 | — | — | 12371 | 200 | 261 | 100 |
| Mersa Matruh (A)... ... ... ... ... ... ... | 4815 (28) | 536 (28) | —12.0 (8) | 5620 | 518 | — | 4150 | 620 | —18.2 | — | — | — | — | — | — | — | — | — | 14700 | — | 270 | 125 |
| Cairo (A)... ... ... ... ... ... ... | 4846 (29) | 572 (29) | —12.0 (6) | 5830 | 506 | — | 3950 | 634 | — | 16422 (4) | 111 (4) | —66.5 (4) | 18700 | 71 | —68.2 | 14460 | 148 | —63.4 | 13500 | 168 | 250 | 56 |
| Aswan ... ... ... ... ... ... ... ... ... | 5009 (27) | 560 (27) | —13.2 (9) | 5670 | 514 | — | 4600 | 584 | —14.3 | 15657 (16) | 120 (16) | —72·2 (16) | 16990 | 95 | —80.7 | 14500 | 124 | —66.9 | 11050 | 263 | 230 | 55 |

N = Total number of observations.

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## ALEPPO (A) — 1200 U.T. — JUNE 1959.

| Pressure surface (mb.) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 10 | 20 | 8 | 18 | 2 | 12 | 0 | — | 0 | 20 | 19 |
| 1000 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 10 | 0 | — | 0 | — | 7 | 20 | 15 | 18 | 3 | 14 | 0 | — | 0 | 26 | 18 |
| 700 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 18 | 5 | 26 | 11 | 22 | 3 | 8 | 2 | 6 | 0 | 26 | 20 |
| 600 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 30 | 12 | 24 | 9 | 34 | 2 | 22 | 1 | 8 | 0 | 26 | 28 |
| 500 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 26 | 12 | 26 | 6 | 46 | 3 | 30 | 0 | — | 0 | 24 | 33 |
| 400 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 40 | 11 | 38 | 7 | 48 | 3 | 32 | 0 | — | 0 | 22 | 41 |
| 300 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 10 | 68 | 5 | 50 | 0 | — | 0 | — | 0 | 15 | 62 |
| 200 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 60 | 3 | 84 | 0 | — | 0 | — | 0 | 4 | 79 |
| 150 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 80 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### MERSA MATRUH (A) — 0000 U.T. — JUNE 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | | | |
| Surface ... | 1 | 4 | 0 | — | 0 | — | 0 | — | 2 | 9 | 0 | — | 0 | — | 1 | 4 | 3 | 8 | 7 | 7 | 6 | 8 | 3 | 10 | 3 | 26 | 7 |
| 1000 ... ... | 2 | 14 | 1 | 5 | 0 | — | 0 | — | 2 | 16 | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 11 | 6 | 14 | 8 | 11 | 1 | 24 | 12 |
| 850 ... ... | 3 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 5 | 0 | — | 2 | 20 | 5 | 21 | 6 | 16 | 8 | 13 | 0 | 25 | 15 |
| 700 ... ... | 1 | 13 | 1 | 16 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 30 | 3 | 33 | 7 | 33 | 9 | 17 | 4 | 20 | 0 | 26 | 24 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 32 | 3 | 24 | 9 | 32 | 11 | 20 | 1 | 17 | 0 | 26 | 25 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 31 | 4 | 24 | 12 | 24 | 8 | 25 | 0 | — | 0 | 25 | 25 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 20 | 7 | 22 | 12 | 35 | 4 | 34 | 1 | 31 | 0 | 25 | 30 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 48 | 6 | 47 | 12 | 48 | 2 | 42 | 0 | — | 0 | 22 | 47 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 64 | 0 | — | 0 | — | 0 | — | 0 | 3 | 64 |
| 150 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### MERSA MATRUH (A) — 1200 U.T. — JUNE 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 5 | 12 | 1 | 11 | 1 | 11 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 15 | 7 | 16 | 12 | 13 | 0 | 28 | 14 |
| 1000 ... ... | 7 | 12 | 1 | 16 | 0 | — | 1 | 8 | 0 | — | 0 | — | 0 | — | 1 | 5 | 0 | — | 0 | — | 9 | 17 | 9 | 13 | 0 | 28 | 13 |
| 850 ... ... | 2 | 14 | 1 | 27 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 25 | 0 | — | 4 | 21 | 6 | 17 | 7 | 12 | 7 | 11 | 0 | 28 | 15 |
| 700 ... ... | 0 | — | 1 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 22 | 4 | 33 | 7 | 21 | 9 | 22 | 6 | 12 | 0 | 28 | 20 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 38 | 5 | 29 | 10 | 24 | 11 | 19 | 1 | 14 | 0 | 28 | 23 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 41 | 10 | 20 | 12 | 31 | 3 | 27 | 1 | 6 | 0 | 28 | 27 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 12 | 12 | 32 | 12 | 42 | 2 | 36 | 0 | — | 0 | 28 | 35 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 48 | 6 | 50 | 9 | 56 | 2 | 39 | 0 | — | 0 | 18 | 54 |
| 200 .. ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 54 | 2 | 56 | 0 | — | 0 | — | 0 | 3 | 55 |
| 150 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

CAIRO (A)—0000 U.T. – JUNE 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360) ° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 0 | — | 9 | 6 | 2 | 4 | 3 | 6 | 1 | 7 | 1 | 9 | 0 | — | 0 | — | 1 | 5 | 3 | 4 | 2 | 3 | 2 | 7 | 6 | 30 | 4 |
| 1000... ... | 1 | 4 | 11 | 9 | 1 | 10 | 3 | 13 | 1 | 7 | 0 | — | 1 | 8 | 0 | — | 0 | — | 3 | 6 | 2 | 7 | 2 | 8 | 5 | 30 | 7 |
| 850... ... | 7 | 19 | 4 | 12 | 2 | 9 | 1 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 9 | 3 | 18 | 6 | 15 | 5 | 16 | 0 | 30 | 15 |
| 700... ... | 0 | — | 2 | 4 | 0 | — | 0 | — | 0 | — | 2 | 12 | 0 | — | 1 | 10 | 5 | 16 | 5 | 23 | 6 | 14 | 9 | 17 | 0 | 30 | 16 |
| 600... ... | 1 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 4 | 2 | 28 | 4 | 13 | 7 | 28 | 11 | 15 | 4 | 19 | 0 | 30 | 19 |
| 500... ... | 0 | — | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 23 | 2 | 20 | 5 | 18 | 13 | 26 | 5 | 31 | 2 | 26 | 0 | 29 | 24 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 20 | 11 | 25 | 11 | 36 | 3 | 36 | 0 | — | 0 | 26 | 31 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 31 | 10 | 33 | 8 | 40 | 1 | 50 | 0 | — | 0 | 20 | 37 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 9 | 50 | 2 | 46 | 1 | 89 | 0 | — | 0 | 12 | 53 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 43 | 1 | 11 | 1 | 41 | 0 | — | 0 | — | — | 3 | 32 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 80... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

## CAIRO (A) — 1200 U.T. — JUNE 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 4 | 8 | 8 | 10 | 2 | 9 | 0 | — | 0 | — | 1 | 4 | 0 | — | 0 | — | 1 | 8 | 1 | 8 | 7 | 8 | 5 | 8 | 0 | 29 | 9 |
| 1000 ... ... | 7 | 8 | 8 | 13 | 2 | 12 | 0 | — | 0 | — | 1 | 4 | 0 | — | 0 | — | 0 | — | 1 | 7 | 5 | 9 | 3 | 7 | 0 | 27 | 10 |
| 850 ... .. | 4 | 11 | 6 | 14 | 2 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 16 | 0 | — | 5 | 18 | 4 | 8 | 6 | 8 | 0 | 29 | 12 |
| 700 ... ... | 3 | 11 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 15 | 4 | 9 | 12 | 22 | 2 | 18 | 4 | 8 | 1 | 29 | 15 |
| 600 ... ... | 1 | 9 | 0 | — | 0 | — | 0 | — | 1 | 18 | 0 | — | 0 | — | 0 | — | 10 | 19 | 12 | 24 | 4 | 10 | 0 | — | 1 | 29 | 19 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 12 | 8 | 15 | 15 | 25 | 3 | 20 | 0 | — | 0 | 28 | 21 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 10 | 13 | 31 | 10 | 35 | 2 | 36 | 0 | — | 0 | 27 | 32 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 27 | 9 | 41 | 6 | 48 | 0 | — | 0 | — | 0 | 16 | 43 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 54 | 1 | 50 | 0 | — | 0 | — | 0 | 5 | 54 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 40 | 0 | 0 | 0 | — | 0 | — | 0 | 2 | 40 |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 .. ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

ASWAN — 0000 U.T. — JUNE 1959.

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 10 | 6 | 2 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 7 | 16 | 29 | 3 |
| 1000... — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850... ... | 2 | 16 | 4 | 16 | 7 | 11 | 2 | 18 | 1 | 10 | 0 | — | 1 | 4 | 0 | — | 0 | — | 3 | 6 | 1 | 12 | 8 | 11 | 0 | 29 | 12 |
| 700... ... | 5 | 12 | 2 | 11 | 3 | 17 | 3 | 18 | 1 | 4 | 0 | — | 1 | 20 | 1 | 16 | 6 | 20 | 5 | 12 | 2 | 8 | 0 | — | 0 | 29 | 14 |
| 600... ... | 2 | 13 | 2 | 11 | 1 | 29 | 1 | 23 | 4 | 8 | 0 | — | 1 | 21 | 0 | — | 8 | 17 | 6 | 15 | 2 | 8 | 2 | 4 | 0 | 29 | 14 |
| 500... ... | 1 | 8 | 3 | 23 | 4 | 13 | 5 | 13 | 2 | 16 | 2 | 10 | 0 | — | 2 | 10 | 3 | 15 | 4 | 16 | 3 | 11 | 0 | — | 0 | 29 | 14 |
| 400... ... | 4 | 9 | 3 | 11 | 1 | 16 | 1 | 10 | 2 | 19 | 1 | 6 | 4 | 8 | 4 | 13 | 0 | — | 2 | 18 | 3 | 18 | 3 | 9 | 1 | 29 | 11 |
| 300... ... | 1 | 2 | 1 | 37 | 0 | — | 1 | 12 | 0 | — | 3 | 12 | 6 | 12 | 2 | 8 | 6 | 19 | 7 | 20 | 0 | — | 2 | 12 | 0 | 29 | 16 |
| 200... ... | 2 | 15 | 0 | — | 0 | — | 2 | 22 | 1 | 16 | 3 | 17 | 5 | 11 | 3 | 16 | 7 | 30 | 2 | 23 | 1 | 31 | 0 | — | 0 | 26 | 20 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 20 | 3 | 26 | 1 | 31 | 0 | — | 2 | 20 | 0 | — | 0 | — | 1 | 31 | 0 | 9 | 25 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

**TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES**

**ASWAN–1200 U.T. — JUNE 1959**

| Pressure surface millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 12 | 8 | 6 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 8 | 1 | 12 | 0 | — | 0 | — | 3 | 6 | 4 | 27 | 7 |
| 1000... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850... ... | 3 | 13 | 5 | 9 | 2 | 9 | 0 | — | 4 | 9 | 1 | 4 | 0 | — | 0 | — | 2 | 8 | 3 | 10 | 3 | 8 | 4 | 10 | 0 | 27 | 9 |
| 700... ... | 3 | 10 | 0 | — | 2 | 8 | 3 | 13 | 1 | 4 | 0 | — | 0 | — | 2 | 14 | 11 | 24 | 2 | 20 | 1 | 14 | 1 | 7 | 1 | 27 | 17 |
| 600... ... | 2 | 10 | 0 | — | 2 | 10 | 2 | 12 | 1 | 12 | 1 | 4 | 0 | — | 2 | 8 | 10 | 22 | 4 | 11 | 1 | 5 | 1 | 4 | 1 | 27 | 14 |
| 500... ... | 4 | 14 | 0 | — | 6 | 9 | 1 | 18 | 4 | 11 | 0 | — | 0 | — | 0 | — | 6 | 12 | 2 | 12 | 2 | 22 | 2 | 13 | 0 | 27 | 12 |
| 400... ... | 3 | 6 | 5 | 5 | 1 | 8 | 2 | 14 | 3 | 14 | 2 | 4 | 1 | 9 | 0 | — | 2 | 19 | 6 | 9 | 2 | 19 | 0 | — | 0 | 27 | 10 |
| 300... ... | 1 | 7 | 1 | 10 | 0 | — | 2 | 11 | 5 | 9 | 0 | — | 5 | 8 | 1 | 4 | 7 | 19 | 2 | 27 | 2 | 32 | 1 | 31 | 0 | 27 | 15 |
| 200... ... | 1 | 12 | 1 | 18 | 0 | — | 0 | — | 2 | 18 | 9 | 18 | 2 | 18 | 7 | 26 | 2 | 24 | 2 | 21 | 0 | — | 1 | 5 | 0 | 27 | 20 |
| 150... ... | 0 | — | 0 | — | 1 | 5 | 0 | — | 4 | 29 | 7 | 27 | 4 | 19 | 3 | 31 | 1 | 17 | 2 | 24 | 0 | — | 1 | 32 | 0 | 23 | 25 |
| 100... ... | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 28 | 5 | 26 | 2 | 22 | 2 | 14 | 1 | 39 | 1 | 29 | 1 | 10 | 0 | — | 0 | 17 | 25 |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

### JUNE 1959

This month was dry and characterised by an excessive short heat wave reaching its peak on the 10th, when the absolute maximum air temperature (45°C) and the absolute minimum relative humidity (9%) were recorded. For the month as a whole, the mean air temperature at 2 metres above ground was 0.2°C below normal, and the mean relative humidity was 2% below normal.

The extreme soil temperatures at a depth of 0.3 cms in the dry field were higher than the corresponding values of last June, by about 3°C for the maximum, and 1°C for the minimum. In deeper layers, the difference was generally changeable.

The total duration of bright sunshine was 14 hours less than the corresponding value of last June. The mean wind speed for the day at 2 metres above ground was 3.1 m/sec. against 2.6 m/sec. for June 1958.

It is noticed that the damage caused by cotton worms was remarkably reduced due to the occurrence of the above mentioned heat wave.

## TABLE C 1.—AIR TEMPERATURE AT 2 METRES ABOVE GROUND ; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms. ABOVE GROUND ON DIFFERENT FIELDS

### GIZA — JUNE 1959

| Date | Air temperature (°C) | | | | | Duration in hours of air temperature above the following values | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Mean of the day | Night time mean | Day time mean | —5 °C | 0 °C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40°C | 45°C |
| 1 | 40.0 | 22.6 | 30.8 | 27 | 35 | 24 | 24 | 24 | 24 | 24 | 24 | 20 | 12 | 8 | 0 | 0 |
| 2 | 34.5 | 19.5 | 25.3 | 25 | 28 | 24 | 24 | 24 | 24 | 24 | 23 | 11 | 7 | 0 | 0 | 0 |
| 3 | 30.4 | 15.8 | 22.7 | 21 | 25 | 24 | 24 | 24 | 24 | 24 | 18 | 9 | 0 | 0 | 0 | 0 |
| 4 | 29.8 | 15.8 | 22.2 | 20 | 25 | 24 | 24 | 24 | 24 | 24 | 16 | 8 | 0 | 0 | 0 | 0 |
| 5 | 30.0 | 16.2 | 22.8 | 20 | 25 | 24 | 24 | 24 | 24 | 24 | 17 | 10 | 0 | 0 | 0 | 0 |
| 6 | 30.5 | 15.2 | 23.2 | 22 | 26 | 24 | 24 | 24 | 24 | 24 | 20 | 12 | 0 | 0 | 0 | 0 |
| 7 | 31.8 | 16.9 | 24.5 | 22 | 27 | 24 | 24 | 24 | 24 | 24 | 20 | 14 | 6 | 0 | 0 | 0 |
| 8 | 34.5 | 16.3 | 25.9 | 23 | 29 | 24 | 24 | 24 | 24 | 24 | 19 | 15 | 9 | 0 | 0 | 0 |
| 9 | 40.9 | 17.4 | 29.3 | 24 | 34 | 24 | 24 | 24 | 24 | 24 | 21 | 16 | 15 | 8 | 0 | 0 |
| 10 | 45.0 | 20.5 | 33.2 | 28 | 38 | 24 | 24 | 24 | 24 | 24 | 24 | 18 | 15 | 11 | 8 | 0 |
| 11 | 34.6 | 21.8 | 27.3 | 28 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 8 | 0 | 0 | 0 |
| 12 | 33.7 | 20.2 | 26.0 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 7 | 0 | 0 | 0 |
| 13 | 32.9 | 20.3 | 25.9 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 6 | 0 | 0 | 0 |
| 14 | 31.7 | 20.0 | 25.0 | 23 | 27 | 24 | 24 | 24 | 24 | 24 | 24 | 12 | 4 | 0 | 0 | 0 |
| 15 | 35.8 | 17.1 | 25.9 | 22 | 29 | 24 | 24 | 24 | 24 | 24 | 19 | 13 | 8 | 1 | 0 | 0 |
| 16 | 34.3 | 18.6 | 26.1 | 24 | 29 | 24 | 24 | 24 | 24 | 24 | 22 | 13 | 8 | 0 | 0 | 0 |
| 17 | 32.0 | 18.3 | 24.6 | 23 | 27 | 24 | 24 | 24 | 24 | 24 | 21 | 12 | 5 | 0 | 0 | 0 |
| 18 | 31.9 | 18.4 | 24.7 | 22 | 27 | 24 | 24 | 24 | 24 | 24 | 20 | 12 | 5 | 0 | 0 | 0 |
| 19 | 33.6 | 19.2 | 25.5 | 23 | 28 | 24 | 24 | 24 | 24 | 24 | 23 | 13 | 7 | 0 | 0 | 0 |
| 20 | 34.7 | 19.1 | 26.0 | 23 | 29 | 24 | 24 | 24 | 24 | 24 | 22 | 13 | 8 | 0 | 0 | 0 |
| 21 | 34.1 | 20.5 | 26.2 | 25 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 7 | 0 | 0 | 0 |
| 22 | 33.6 | 19.9 | 25.6 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 6 | 0 | 0 | 0 |
| 23 | 33.7 | 20.9 | 25.7 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 12 | 6 | 0 | 0 | 0 |
| 24 | 34.2 | 19.2 | 26.0 | 23 | 29 | 24 | 24 | 24 | 24 | 24 | 22 | 14 | 7 | 0 | 0 | 0 |
| 25 | 33.1 | 18.8 | 25.0 | 23 | 28 | 24 | 24 | 24 | 24 | 24 | 20 | 12 | 6 | 0 | 0 | 0 |
| 26 | 33.0 | 19.4 | 25.0 | 23 | 27 | 24 | 24 | 24 | 24 | 24 | 23 | 11 | 5 | 0 | 0 | 0 |
| 27 | 34.1 | 19.2 | 25.4 | 23 | 28 | 24 | 24 | 24 | 24 | 24 | 23 | 12 | 7 | 0 | 0 | 0 |
| 28 | 34.1 | 18.1 | 25.1 | 23 | 28 | 24 | 24 | 24 | 24 | 24 | 21 | 12 | 6 | 0 | 0 | 0 |
| 29 | 37.4 | 17.8 | 27.2 | 23 | 30 | 24 | 24 | 24 | 24 | 24 | 20 | 15 | 9 | 4 | 0 | 0 |
| 30 | 33.3 | 20·7 | 26.3 | 25 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 14 | 7 | 0 | 0 | 0 |
| TOTAL | — | — | — | — | — | 720 | 720 | 720 | 720 | 720 | 650 | 391 | 196 | 32 | 8 | 0 |
| Mean | 34.1 | 18.8 | 25.8 | 23.5 | 28.5 | 24 | 24 | 24 | 24 | 24 | 21.7 | 13.0 | 6.5 | 1.1 | 0.3 | 0 |

Highest maximum at 2 metres 45.0 °C on 10 th. Highest minimum at 2 metres 22.6 °C on 1 st.
Lowest ,, ,, ,, 29.8 °C on 4 th. Lowest ,, ,, . 15.2 °C on 6 th.
Absolute minimum temperature at 5 cms. above dry soil 11.5 °C on 6 th
,, ,, ,, ,, ,, wet soil 11.5 °C on 6 th.
,, ,, ,, ,, ,, grass 9.5 °C on 6 th.

## TABLE C 2.—WIND SPEED, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, (SOLAR + SKY) RADIATION, SUNSHINE DURATION, EVAPORATION AND RAINFALL

### GIZA — JUNE 1959.

| Date | Wind speed metres per second | | | Solar + sky radiation gm. cal./cm² | Duration of bright sunshine in hours | | | Relative humidity hours of duration | | Relative humidity % | | Vapour pressure in millimetres | | Evaporation in millimetres | | Amount of rainfall in millimetres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean of the day | Night time mean | Day time mean | | Total actual | Total possible | Percentage % | >90 % | >80 % | Mean of the day | at 1200 U.T. | Mean of the Day | at 1200 U.T. | Piche | Pan class (A) | |
| 1 | 2.3 | 0.8 | 4.3 | 621 | 11.9 | 14.0 | 85 | 0 | 0 | 30 | 18 | 9.9 | 9.9 | 28.0 | 16.73 | 0 |
| 2 | 2.9 | 2.3 | 3.7 | 617 | 11.3 | 14 0 | 81 | 0 | 4 | 60 | 25 | 12.3 | 9.7 | 18.3 | 12.91 | 0 |
| 3 | 3.0 | 2.1 | 4.3 | 659 | 12.7 | 14.0 | 91 | 0 | 3 | 50 | 33 | 10.4 | 10.0 | 15.9 | 11.21 | 0 |
| 4 | 2.6 | 1.6 | 3.9 | 613 | 12.6 | 14.0 | 90 | 0 | 4 | 53 | 32 | 10.8 | 9.5 | 15.0 | 11.20 | 0 |
| 5 | 2.5 | 1.8 | 3.4 | 630 | 12.5 | 14.0 | 89 | 0 | 3 | 54 | 36 | 11.1 | 10.3 | 16.0 | 10.73 | 0 |
| 6 | 2.4 | 1.9 | 3.2 | 599 | 12·6 | 14.0 | 90 | 0 | 0 | 52 | 28 | 10.7 | 8.5 | 16.9 | 11.13 | 0 |
| 7 | 2.9 | 2.6 | 3.2 | 621 | 12.5 | 14.0 | 89 | 0 | 4 | 48 | 23 | 10.0 | 7.7 | 18.0 | 12.21 | 0 |
| 8 | 2.8 | 2.0 | 3.9 | 580 | 11.8 | 14.0 | 84 | 0 | 2 | 34 | 21 | 8.6 | 8.3 | 21.7 | 12.29 | 0 |
| 9 | 1.7 | 1.1 | 2.4 | 536 | 10.2 | 14.0 | 73 | 0 | 0 | 38 | 15 | 10.7 | 7.9 | 23.0 | 13.57 | 0 |
| 10 | 2.4 | 1.7 | 3.3 | 541 | 10.5 | 14 0 | 75 | 0 | 0 | 24 | 10 | 8.8 | 7.8 | 27.7 | 15.24 | 0 |
| 11 | 3.1 | 2.2 | 4.3 | 578 | 11·2 | 14.1 | 79 | 0 | 0 | 56 | 37 | 14.6 | 14.4 | 18.1 | 12.74 | 0 |
| 12 | 4.6 | 4.1 | 5.2 | 591 | 11.5 | 14.1 | 82 | 0 | 6 | 52 | 33 | 12.3 | 12.3 | 20.1 | 12.87 | 0 |
| 13 | 4.6 | 4.0 | 5.4 | 616 | 11.9 | 14.1 | 84 | 0 | 6 | 56 | 33 | 13.2 | 12.2 | 19.3 | 12.72 | 0 |
| 14 | 4.8 | 4.6 | 5.1 | 640 | 12 2 | 14.1 | 87 | 0 | 2 | 52 | 36 | 11.8 | 12.0 | 18.9 | 12.65 | 0 |
| 15 | 3.6 | 2.8 | 4.8 | 607 | 12.1 | 14 1 | 86 | 0 | 5 | 58 | 28 | 13.4 | 11.9 | 20.5 | 13.09 | 0 |
| 16 | 3.1 | 2.5 | 3 9 | 614 | 12.4 | 14 1 | 88 | 0 | 4 | 58 | 37 | 14 6 | 14.1 | 17.6 | 13.86 | 0 |
| 17 | 3.2 | 2.9 | 3.7 | 647 | 12.6 | 14.1 | 89 | 0 | 5 | 56 | 34 | 12.1 | 11.2 | 18.9 | 12.59 | 0 |
| 18 | 4.4 | 4.2 | 4.7 | 619 | 12.8 | 14.1 | 91 | 0 | 4 | 58 | 37 | 13.1 | 12.7 | 16.3 | 12.11 | 0 |
| 19 | 4.0 | 3.5 | 4.7 | 585 | 11.6 | 14.1 | 82 | 0 | 7 | 58 | 34 | 13.2 | 12.2 | 17.8 | 12.74 | 0 |
| 20 | 3.2 | 2.6 | 4.0 | 601 | 10.7 | 14.1 | 76 | 2 | 5 | 62 | 35 | 14.4 | 13.4 | 17.2 | 12 53 | 0 |
| 21 | 3.2 | 2 9 | 3.6 | 589 | 10·5 | 14.1 | 74 | 0 | 8 | 64 | 32 | 14.2 | 11.7 | 16·3 | 12.73 | 0 |
| 22 | 2.9 | 2.6 | 3.3 | 575 | 10.2 | 14.1 | 72 | 1 | 8 | 66 | 36 | 14.9 | 13.1 | 14.1 | 10.55 | 0 |
| 23 | 3.2 | 2.7 | 3.9 | 610 | 11.5 | 14.1 | 82 | 0 | 5 | 62 | 36 | 13.9 | 13.1 | 15.5 | 11.22 | 0 |
| 24 | 3.1 | 2.4 | 4.1 | 657 | 12.8 | 14.1 | 91 | 0 | 7 | 54 | 26 | 12.1 | 10.0 | 19.3 | 13.76 | 0 |
| 25 | 2.5 | 2.0 | 3.1 | 634 | 12.5 | 14.1 | 89 | 0 | 4 | 67 | 38 | 14.7 | 13.1 | 14.5 | 11.53 | 0 |
| 26 | 2.9 | 2.2 | 3.8 | 625 | 12.7 | 14.1 | 90 | 3 | 7 | 63 | 39 | 14.2 | 13.6 | 14·5 | 12.23 | 0 |
| 27 | 2.6 | 1.8 | 3.7 | 612 | 11.5 | 14.1 | 82 | 1 | 6 | 58 | 38 | 13.6 | 13.7 | 15.0 | 11 25 | 0 |
| 28 | 2.6 | 1.7 | 3.8 | 627 | 10.8 | 14.1 | 77 | 0 | 6 | 60 | 33 | 13·2 | 12.2 | 15.7 | 11.72 | 0 |
| 29 | 1.9 | 1.2 | 3.0 | 625 | 12.6 | 14.1 | 89 | 0 | 5 | 54 | 26 | 13.9 | 11.7 | 18 0 | 12.65 | 0 |
| 30 | 2.6 | 2.2 | 3.1 | 599 | 12.4 | 14.1 | 88 | 0 | 6 | 59 | 44 | 15.1 | 15.4 | 14.2 | 11.08 | 0 |
| Total ... | — | — | — | 18268 | 355.1 | 422.0 | 2525 | 7 | 126 | — | — | — | — | 542 3 | 373 84 | 0 |
| Mean... | 3.1 | 2.4 | 3.9 | 608.9 | 11.8 | 14.1 | 84 | 0·2 | 4.2 | 54 | 31 | 12.5 | 11.4 | 18.1 | 12 46 | 0 |

Maximum amount of rainfall in one day ..... ..... 0 mms.
Lowest value of relative humidity ..... ..... 9 % on 10th.
Highest „ „ vapour pressure ..... ..... 17.1 mms. on 21st.
Lowest „ „ „ „ ..... ..... 6.7 mms. on 8 th

## TABLE C 3.—EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

### GIZA — JUNE 1959

| Depth in cms. | Dry soil | | Wet soil | | Grass | |
|---|---|---|---|---|---|---|
| | Highest °C | Lowest °C | Highest °C | Lowest °C | Highest °C | Lowest °C |
| 0.3 | 66.0 | 20.1 | 36.9 | 16.6 | 33.4 | 19.6 |
| 1 | 63.5 | 20.2 | 35.4 | 16.9 | — | — |
| 2 | 56.2 | 20.9 | 34.3 | 16.9 | — | — |
| 5 | 46.2 | 23.6 | 31.4 | 17.9 | 29.0 | 19.9 |
| 10 | 37.3 | 28.0 | 29.7 | 20.6 | 27.0 | 20.8 |
| 20 | 31.3 | 27.4 | 27.9 | 22.5 | 26.8 | 22.9 |
| 50 | 31.1 | 29.4 | 24.8 | 22.7 | 25.7 | 23.5 |
| 100 | 29.0 | 26.9 | 23.2 | 21.3 | 24.3 | 22.3 |
| 200 | 26.0 | 24.3 | 21·2 | 20.0 | — | — |
| 300 | 24.3 | 23.4 | — | — | — | — |

## TABLE C 4.—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES REACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

### GIZA — JUNE 1959

| | | | |
|---|---|---|---|
| 10 Knots or more ... | 18 Days | 30 Knots or more ... | 0 Days. |
| 15 „ „ ... | 1 „ | 35 „ „ ... | 0 „ |
| 20 „ „ ... | 0 „ | 40 „ „ ... | 0 „ |
| 25 „ „ ... | 0 „ | The highest gust 24 knots on 10th. | |

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UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 7

## JULY, 1959

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MINISTRY OF WAR—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 7

## JULY, 1959

MINISTRY OF WAR—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

# CONTENTS

PAGE

General Summary of Weather Conditions ... ... .. ... ... ... ... ... ... ... ... 389-391

**Surface Data**

TABLE A 1.—Monthly Mean Values of Atmospheric Pressure, Air Temperature and Relative Humidity at Fixed Hours... ... ... ... ... ... ... ... ... ... 392,393

,, A 2.—Maximum and Minimum Air Temperatures (°C) ... ... ... ... ... ... ... 394,395

,, A 3.—Rainfall, Snow, Bright Sunshine, Cloudiness and Evaporation ... ... ... 396,397

,, A 4.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... 398

,, A 5.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... ... ... .. ... 399-401

,, A 6.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours ... ... ... 402-433

**Upper Air Data**

TABLE B 1.—Upper Air Climatological Data ... ... ... ... ... ... ... ... ... ... ... 434-437

,, B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air ... ... ... ... ... ... ... 438,439

,, B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. 440-446

**Agro-Meteorological Data**

Review of Agro-Meteorological Station at Giza ... ... ... ... ... ... 447

TABLE C 1.—Air Temperature at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5cms. above Ground on Different Fields ... ... ... 448

,, C 2.—Wind Speed, Relative Humidity and Vapour Pressure at 2 Metres above the Ground, (Solar + Sky) Radiation, Sunshine Duration, Evaporation and Rainfall .. ... ... ... ... ... ... ... ... ... ... ... ... ... ... 449

,, C 3.—Extreme Soil Temperatures at Different Depths in Different Fields ... ... 450

,, C 4.—Number of Days of Surface Wind Speed at 10 Metres Reaching Specified Limits of Velocity for at Least 5 Minutes ... ... ... ... ... ... ... 450

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*Note.*—Refer to volume 2 number 1 for the list of stations appearing in the report and for explanatory notes on the tables.

# GENERAL SUMMARY OF WEATHER CONDITIONS

## JULY 1959

**Mild summer weather, characterized by excessive hot spells over inland districts, followed by unstable weather conditions in the Northern Region.**

---

### THE MAIN FEATURES

- Rather steady maximum temperatures over Mediterranean coastal areas, changeable with excessive hot spells inland areas
- Rather slight oscillatory and subnormal pressure field most of the month coastal areas, almost steady and normal inland areas.
- Light rainfall over the coast of Northern Region within two short periods.
- Frequent rising dust and duststorms over El Gezeira district.

### GENERAL DESCRIPTION OF WEATHER

The prevailing summer weather during this month was mild in general over both Regions though it was disturbed by excessive hot spells over inland districts round the periods (1st-3rd), (19th-22nd) & (28th-31st) in the Southern Region and round the periods (2nd-3rd), (7th-9th) & (19th-20th) in the Northern Region. Maximum temperatures showed small variability over the Mediterranean coastal districts and showed considerable variability over the inland Regions of the Republic.

The monthly district station ground barometric pressure was slightly above normal in the Southern Region and slightly below normal in the Northern Region.

The monthly district relative humidity was slightly above normal over, the Northern Region with the exception of El Gezeira district, the Lower Egypt and Upper Egypt districts of the Southern Region. Elsewhere it was slightly below normal. Deviations did not exceed 10% in both cases.

The monthly district maximum and minimum temperatures were slightly below normal values and their deviations did not exceed 2.5°C in general.

The monthly district rainfall in the Northern Region was pronouncedly above normal (+4.1 mms.) in the North Eastern district. Elsewhere it was normal.

The mean daily relative humidity for the month in the Northern Region was 76% at Jableh, 49% at Aleppo, 40% at Damascus, 63% at Homs, 29% at Deir Ezzor and 26% at Qamishlie. In the Southern Region it was 76% at Mersa Matruh, 72% at both Alexandria and Port Said, 58% at Tanta, 56% at Cairo, 55% at Almaza, 51% at Minya, 34% at Asyout, 29% at Luxor, 38% at Siwa and 48% at Suez.

### PRESSURE DISTRIBUTION

This month started with two high pressure systems, the Siberian high pressure system that extended SW wards north Caspian and Black Seas and the Atlantic System that extended eastwards over western Europe and SE wards through the Mediterranean. In addition two troughs of low pressure appeared, the northern trough over North Russia which extended southwards till latitude 40°N and the complex monsoon trough over Iraq, Arabia and Sudan. The flow patterns aloft were characterized by two planetary upper waves North Russia and north Atlantic together with two significant blocks in advance, the 1st north of the Caspian Sea and the 2nd NW Africa.

During this month, the complex monsoon low over Iraq, Arabia and Sudan operated over the Middle East and adjacent areas. It has undergone consecutive oscillations towards the vicinity of the Black and Caspian Seas, East Mediterranean and the southeastern part of Europe. Its oscillations were related closely with the motion of the northern upper troughs and their resultant displacements which were partly longitudinal from north to south and partly latitudinal from west to east.

During the period (1st-9th), the first block north of the Caspian Sea operated strongly on the upper trough motion which, as a consequent, extended southwards till Asia Minor up till the 4th, while remained stationary afterwards till the 9th. The 2nd block over North Africa was stationary till the 3rd and started its NE displacement on the 4th. By the 9th it made its appearance over western Europe.

During the period (10th-12th), the upper northern trough over Russia proceeded eastwards while it showed a pronounced extension southwestwards over the Middle East and East Mediterranean Regions, a favourable condition for a northwestward elongation of the complex monsoon. On the other hand the Atlantic northern trough approached west Europe.

On the 13th, the Atlantic northern trough traversed west Europe tilting the 2nd block gradually and slowly in advance while a closed upper low developed in the East Mediterranean, SW Russia and SE Europe Regions. This upper low showed a marked persistance up till the 22nd and was associated in the surface by two minor NW extensions of the complex monsoons. Cold cutoffs in the rear of the upper northern troughs over these Regions played a great part in the persistance of this closed upper low in these Regions, while the splitting of the extreme southern parts of the upper extended trough ascribed to their development.

Since the 23rd, the upper low over East Mediterranean started its eastward motion and on the 25th it approached Iran where it amalgamated on the 26th with the upper trough north of the Black and Caspian Seas.

On the 27th the upper trough north of Black and Caspian Seas showed a marked southward extension in the East Mediterranean Region where it persisted till the end of the month particularly in the 500 mb. level.

The barometric pressure over the United Arab Republic was above its normal during the first third of the month, otherwise it was generally round normal over the inland districts of the Republic and oscillated slightly below normal over the Mediterranean coastal districts.

## SURFACE WIND

### NORTHERN REGION

The prevailing winds were, SW ly over the Coastal and the Western Inland districts, W ly/NW ly over the Desert district and SW ly/NW ly over the North Eastern district. As an exception over Damascus, the prevailing winds were mostly NWly.

Light/moderate winds blew generally over the Coastal district round the 1st, (10th-19th) and (25th-31st), over El Gezeira district round the 1st, (10th-31st) and over the NE district round the 1st and (3rd-31st.)

Moderate/fresh winds blew generally over the Coastal district round (20 th-24th), over the Western Inland district round (20th-31st) and over El Gezeira district round (3rd-9th).

Fresh/strong winds prevailed generally over the Coastal district round (3rd-9th) and over the Western Inland district round (3rd-9th) and (10th-19th).

Gales were reported on five days at Aleppo and 27 days at Homs.

### SOUTHERN REGION

The prevailing winds during this month were mostly light/moderate, N/NWly in the Mediterranean, Lower Egypt and Western Desert districts, N/NEly in the Red Sea district and NWly over Upper Egypt district. Fresh/strong winds blew over the northern and middle districts in advance and during the transits of Khamsin disturbances. Calms were frequent over the interior southern parts during the night and early morning intervals of this month.

No gales were reported during this month.

## TEMPERATURE

Maximum temperature showed slight variability during this month over the Mediterranean coastal areas of the Republic. It was slightly below normal in the Northern Region and slightly above normal in the Southern Region.

Over the far inland districts of the Republic maximum temperature was generally below normal with the exception of three intervening short and excessive hot periods which were almost the periods : (1st-3rd), (19th-22nd) and (28th-31st) in the Southern Region and the periods : (2nd-3rd), (7th-9th) and (19th-20th) in the Northern Region.

The absolute maximum temperature for the Northern Region was 44.0°C. at Tell Tamer (North Eastern district) on the 8th and 9th while the corresponding value of the Southern Region was 45.7°C at Aswan on the 31st.

During most of this month, minimum temperatures over the Mediterranean coastal districts of the Republic ranged slightly below or round normal and showed small variability. Over the inland districts minimum temperatures were above or oscillated round normal in the Northern Region and oscillated below normal in the Southern Region.

The absolute minimum temperature for the Northern Region was 2.0°C at Nabek (mountain station in Western Inland district) on the 6th, while the corresponding value for the Southern Region was 16.5°C at Dabaa on the 5th.

## PRECIPITATION

Precipitation was confined to the Coastal district of the Northern Region particularly over the mountainous areas where about 10 mms. fell in the southern parts and from 30-50 mms. fell in the northern vicinities. Rain fell during two periods mainly (3rd-5th) and (20th-25th). The maximum fall in 24 hours was 37.3 mms. reported at Shouqiran on the 4th.

Cairo, February 1961.

## MISCELLANEOUS WEATHER PHENOMENA

### NORTHERN REGION

**Mist patches** developed at Damascus on the 9th & 18th.

**Sand or duststorms** blew over, Palmyra on the 22nd; Deir Ezzor on the 3rd, 4th, 6th, 7th, 8th, 10th, 22nd & 23rd; and over Raqqa on the (3rd-7th), (21st-24th), 28th & 29th.

**Local rising sand or dust** was reported at, Damascus on the 3rd, 10th & 21st; Hama on the 3rd & 22nd; Tell Shihab on the 21st & 22nd; Palmyra on the (1st-4th), (6th-9th), (11th-14th) & (18th-31st); Deir Ezzor on the (3rd-13th), (19th-26th) & 29th; Raqqa on the (3rd-12th), 15th, 16th, (20th-24th), 28th, 29th & 31st; and at Qamishlie on the 4th, 12th, 13th, 22nd, 23rd & 24th.

### SOUTHERN REGION

**Fog patches** developed at, Mersa Matruh on the 26th & 29th; Cairo on the 24th: and at Quseir on the 28th.

**Mist patches** developed at, Mersa Matruh on the 26th, 29th & 31st; Alexandria on the 18th; Port Said on the 21st; Abu Sueir on the 1st, 12th, 17th, 21st, 25th, 27th, 28th, 30th & 31st; Cairo on the 1st, 2nd, 3rd, 11th, 12th, 13th, 16th, 17th, 23rd, 24th, 25th, 27th, 28th, & 31st; Almaza & Abbasiya (H.Q.) on the 24th; Mostafa Helmi on the 1st, 3rd, 6th, 10th, 11th, 13th, 15th, 17th, 24th, 26th & 28th; and at Quseir on the 28th.

**Local rising sand or dust** was reported at, Sallum & Mersa Matruh on the 3rd; Abu Sueir on the 21st; and at Mostafa Helmi on the 10th & 22nd.

M.F. TAHA

*Director General*

*Meteorological Department*

# TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

## JULY 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jebleh (A) ... | 12 | 1004.4 | — | 1004.7 | — | 1004.7 | — | 1004.6 | — | 23.1 | —0.5 | 25.6 | —0.7 | 27.1 | —1.7 | 25.2 | —1.0 | 79 | — 1 | 74 | 0 | 71 | + 1 | 79 | + 1 |
| | Bouka ... ... ... | 50 | — | — | — | — | — | — | — | — | 23.0 | — | 26.0 | — | 28.0 | — | 24.6 | — | 82 | — | 76 | — | 69 | — | 81 | — |
| | Tartous ... ... ... | 15 | — | — | — | — | — | — | — | — | 22.8 | — | 25.8 | — | 27.5 | — | 24.7 | — | 82 | — | 75 | — | 70 | — | 80 | — |
| WESTERN INLAND | Damascus (A) ... | 724 | 925.1 | +0.3 | 926.0 | +0.2 | 924.8 | +0.3 | 924.4 | —0.3 | 20.3 | —0.9 | 23.4 | —1.7 | 26.0 | —8.5 | 25.5 | —2.6 | 54 | + 3 | 50 | + 3 | 23 | + 2 | 33 | + 3 |
| | Aleppo (A) ... | 391 | 958.7 | —0.2 | 959.2 | —0.1 | 957.8 | —0.6 | 958.4 | 0.0 | 21.8 | —1.0 | 26.8 | —0.8 | 32.9 | —2.8 | 25.4 | —1.7 | 65 | + 8 | 51 | + 3 | 29 | + 1 | 51 | + 8 |
| | Hama (A) ... | 313 | 968.1 | — | 968.1 | — | 967.2 | — | 967.8 | — | 21.7 | — | 27.6 | — | 33.0 | — | 25.3 | — | 60 | — | 43 | — | 29 | — | 48 | — |
| | Homs ... ... ... | 487 | — | — | — | — | — | — | — | — | 19.9 | —1.0 | 24.7 | —0.4 | 28.7 | —2.2 | 21.8 | —1.9 | 77 | + 7 | 59 | + 3 | 45 | + 3 | 71 | + 8 |
| | Kharabo ... ... ... | 620 | — | — | — | — | — | — | — | — | 15.5 | — | 24.5 | — | 33.4 | — | 24.4 | — | 83 | — | 52 | — | 24 | — | 40 | — |
| | Salamiyie ... ... ... | 500 | — | — | — | — | — | — | — | — | 19.3 | — | 26.7 | — | 32.0 | — | 23.1 | — | — | — | 47 | — | 32 | — | 61 | — |
| | Meselmiyie ... ... | 425 | — | — | — | — | — | — | — | — | 21.3 | — | 26.9 | — | 32.6 | — | 24.4 | — | 65 | — | 51 | — | 25 | — | 64 | — |
| | Fiq ... ... ... ... | 337 | 968.6 | — | 969.1 | — | 968.0 | — | 968.4 | — | 20.8 | — | 22.5 | — | 29.6 | — | 26.6 | — | 81 | — | 77 | — | 41 | — | 68 | — |
| | Tell Shihab ... ... | 250 | — | — | — | — | — | — | — | — | 18.7 | — | 23.4 | — | 30.8 | — | 23.0 | — | 90 | — | 73 | — | 38 | — | 63 | — |
| DESERT | Palmyra (A) ... | 404 | 959.4 | — | 960.0 | — | 958.6 | — | 958.8 | — | 21.5 | — | 24.4 | —1.4 | 35.1 | —1.7 | 29.3 | —0.7 | 73 | — | 56 | +10 | 21 | + 4 | 33 | + 8 |
| EL GEZEIRA | Deir Ezzor (A) ... | 204 | 979.4 | — | 980.0 | — | 978.8 | — | 978.5 | — | 26.3 | —1.0 | 29.3 | —1.1 | 38.0 | —1.4 | 32.8 | —1.4 | 42 | + 6 | 37 | + 1 | 15 | — 2 | 22 | 0 |
| | Raqqa ... ... ... | 251 | 972.8 | — | 973.3 | — | 971.3 | — | 971.7 | — | 22.9 | — | 26.6 | — | 36.6 | — | 30.0 | — | 58 | — | 47 | — | 19 | — | 35 | — |
| NORTH EASTERN | Qamishlie (A) ... | 466 | 949.5 | —0.2 | 950.3 | —0.4 | 949.1 | —0.6 | 948.9 | —0.3 | 25.2 | —1.4 | 29.9 | —1.8 | 38.5 | —1.1 | 31.6 | —1.0 | 35 | + 1 | 32 | + 1 | 14 | — 5 | 21 | — 5 |
| | Tell tamer ... ... ... | 335 | — | — | — | — | — | — | — | — | 23.0 | — | 29.1 | — | 37.9 | — | 31.6 | — | 49 | — | 42 | — | 17 | — | 26 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum ... ... ... | 04 | 1009.6 | — | 1009.9 | —0.1 | 1009.6 | —0.1 | 1009.5 | —0.3 | 22.2 | — | 24.5 | —2.1 | 28.2 | —1.6 | 25.0 | —1.0 | 79 | — | 68 | + 2 | 55 | + 1 | 65 | + 1 |
| | Sidi Barrani ... ... | 21 | 1006.5 | —0.7 | 1007.1 | —0.6 | 1006.8 | —1.0 | 1006.5 | —1.0 | 23.1 | +0.2 | 24.9 | —0.6 | 27.5 | 0.0 | 24.6 | —0.3 | 64 | —20 | 58 | —17 | 52 | —17 | 62 | —18 |
| | Mersa Matruh (A) ... | 31 | 1005.7 | +0.3 | 1006.2 | +0.6 | 1006.1 | +0.5 | 1006.0 | +0.2 | 21.0 | —1.0 | 24.8 | —0.8 | 27.4 | —0.4 | 24.2 | —0.8 | 87 | + 2 | 74 | — 1 | 62 | — 5 | 79 | — 1 |
| | Dabaa ... ... ... | 17 | — | — | 1007.8 | — | 1007.4 | — | 1007.4 | — | 21.2 | — | 25.4 | —0.6 | 28.1 | —0.2 | 24.4 | —0.6 | — | — | 70 | — 2 | 57 | — 3 | 78 | + 3 |
| | Alexandria (A) ... | —3 | 1009.1 | +0.8 | 1009.4 | +0.8 | 1009.4 | +0.8 | 1009.3 | +0.7 | 23.2 | —0.4 | 26.6 | 0.0 | 29.0 | +0.2 | 25.0 | 0.0 | 80 | — 4 | 69 | — 2 | 63 | — 1 | 76 | — 3 |
| | Dekheila (A) ... | 01 | 1009.0 | — | 1009.5 | —0.1 | 1009.5 | —0.1 | 1009.1 | — | 22.6 | — | 25.4 | —0.6 | 27.9 | +0.9 | 24.4 | — | 80 | — | 70 | —11 | 62 | —17 | 76 | — |
| | Damietta ... ... ... | 03 | 1008.8 | — | 1009.2 | +1.0 | 1008.9 | +1.3 | 1009.0 | +1.3 | 22.4 | — | 25.8 | —1.5 | 28.5 | —0.6 | 25.2 | —0.2 | 81 | — | 76 | + 3 | 61 | — 2 | 80 | — 3 |
| | Port Said (A) ... | 01 | 1008.1 | +1.1 | 1008.5 | +0.7 | 1008.3 | +1.1 | 1008.1 | +0.9 | 24.4 | —0.8 | 26.2 | —0.5 | 28.2 | —0.9 | 25.6 | —0.9 | 76 | — 3 | 71 | — 2 | 65 | 0 | 75 | — 2 |
| | El Arish ... ... ... | 10 | 1006.3 | +1.0 | 1006.8 | —0.4 | 1006.3 | —0.2 | 1006.5 | 0.0 | 22.4 | —0.5 | 26.7 | — 1.3 | 29.0 | 0.0 | 25.2 | —0.9 | 88 | 0 | 69 | + 2 | 67 | — 2 | 81 | + 1 |
| | Ghazza ... ... ... | 10 | 1006.5 | — | 1007.1 | — | 1006.6 | — | 1006.6 | — | 22.5 | — | 25.9 | — | 26.8 | — | 25.3 | — | 83 | — | 75 | — | 78 | — | 83 | — |

TABLE A 1 (*contd.*)—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

JULY 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOWER EGYPT | Damanhour ... ... | 06 | 1008.7 | — | 1008.8 | +0.3 | 1008.6 | +0.9 | 1008.5 | +0.5 | 20.8 | — | 24.5 | −2.5 | 30.4 | −1.0 | 24.4 | −0.8 | 89 | — | 82 | +11 | 52 | + 2 | 81 | + 5 |
| | Mansoura ... ... ... | 08 | 1008.0 | — | 1008.1 | −0.1 | 1007.3 | +0.3 | 1007.6 | +0.2 | 22.6 | — | 24.9 | −1.3 | 32.5 | −1.2 | 26.5 | −0.1 | 79 | — | 76 | + 3 | 39 | 0 | 66 | − 2 |
| | Tanta ... ... ... ... | 14 | 1007.0 | — | 1007.2 | −0.5 | 1006.6 | +0.1 | 1006.9 | −0.2 | 20.5 | — | 26.0 | −0.3 | 32.8 | −1.0 | 25.2 | −0.9 | 88 | — | 69 | − 4 | 40 | + 1 | 66 | − 2 |
| | Shebin el Kom ... ... | 12 | 1007.1 | — | 1008.0 | +0.7 | 1006.8 | +0.7 | 1007.3 | +0.6 | 22.2 | — | 24.8 | −1.4 | 32.1 | −2.2 | 26.2 | −1.3 | 93 | — | 84 | +15 | 43 | +11 | 74 | +17 |
| | Zagazig ... ... ... | 12 | 1007.7 | — | 1008.0 | +0.2 | 1007.1 | +0.5 | 1007.6 | +0.3 | 21.8 | — | 25.0 | −2.0 | 32.4 | −1.8 | 27.4 | −0.1 | 87 | — | 75 | + 3 | 41 | + 1 | 59 | − 5 |
| | Zaher ... ... (A) ... | 30 | 1004.0 | — | 1004.4 | — | 1003.4 | — | 1003.7 | — | 22.6 | — | 25.3 | — | 33.1 | — | 28.0 | — | 71 | — | 67 | — | 32 | — | 52 | — |
| | Wadi el Natrun ... | −1 | 1099.6 | — | 1010.0 | +1.2 | 1008.6 | +1.5 | 1009.2 | +1.1 | 22.3 | — | 25.4 | −0.5 | 33.9 | −1.2 | 27.8 | −1.2 | 78 | — | 68 | − 3 | 26 | − 6 | 48 | − 3 |
| | Abu Sueir ... (A) ... | 14 | 1006.8 | — | 1007.2 | — | 1005.9 | — | 1006.4 | — | 22.8 | — | 25.5 | — | 33.7 | — | 27.9 | — | 82 | — | 70 | — | 32 | — | 56 | — |
| CAIRO AREA | Cairo ... ... (A) ... | 95 | 997.7 | +0.1 | 998.1 | +0.2 | 997.0 | +0.3 | 997.4 | +0.7 | 22.8 | −0.7 | 25.3 | +0.2 | 33.0 | −1.2 | 28.6 | −1.3 | 78 | 0 | 69 | − 3 | 31 | + 1 | 46 | + 1 |
| | Almaza ... (A) ... | 79 | 998.2 | −0.9 | 999.7 | +0.1 | 998.5 | +0.3 | 998.7 | +0.2 | 23.2 | −0.7 | 25.4 | +0.3 | 33.4 | 0.0 | 28.8 | −1.4 | 75 | − 3 | 68 | − 6 | 31 | 0 | 47 | + 2 |
| | Abbasiya (H.Q.) ... | 33 | 1004.8 | — | 1005.0 | — | 1003.8 | — | 1004.2 | — | 23.1 | — | 26.3 | — | 33.4 | — | 28.5 | — | 78 | — | 66 | — | 32 | — | 49 | — |
| | Mostafa Helmi (A) ... | 163 | 990.0 | — | 990.4 | — | 989.4 | — | 989.7 | — | 21.8 | — | 24.2 | — | 32.8 | — | 27.8 | — | 79 | — | 67 | — | 26 | — | 43 | — |
| | Giza ... ... ... ... | 21 | 1006.5 | — | 1007.0 | +0.5 | 1005.7 | +0.8 | 1005.7 | +0.4 | 22.4 | — | 25.0 | −0.4 | 32.6 | −2.3 | 28.4 | −0.6 | 83 | — | 69 | − 4 | 31 | 0 | 45 | − 3 |
| | Helwan ... ... ... | 112 | — | — | 996.2 | +0.2 | 994.7 | +0.3 | 994.5 | −0.2 | — | — | 25.0 | +0.1 | 32.9 | −1.2 | 29.2 | −1.3 | — | — | 64 | − 3 | 26 | + 2 | 39 | + 3 |
| UPPER EGYPT | Fayoum ... ... ... | 30 | 1006.4 | — | 1006.4 | +0.7 | 1005.1 | +1.1 | 1004.8 | +1.0 | 23.0 | — | 26.9 | +0.6 | 34.2 | −0.7 | 30.4 | 0.0 | 77 | — | 60 | − 4 | 27 | + 1 | 37 | − 1 |
| | Beni Suef ... ... ... | 28 | 1005.2 | — | 1005.8 | +0.6 | 1004.9 | +1.5 | 1003.9 | +0.6 | 22.8 | — | 24.1 | −3.5 | 34.6 | −1.9 | 29.6 | −0.6 | 81 | — | 83 | +22 | 35 | + 9 | 46 | + 6 |
| | Minya ... ... (A) ... | 39 | 1003.1 | +0.6 | 1004.1 | +0.6 | 1003.0 | +0.7 | 1002.0 | +0.4 | 22.8 | −0.2 | 25.7 | −0.4 | 35.1 | −0.9 | 28.5 | −0.3 | 67 | + 5 | 66 | + 2 | 27 | + 3 | 45 | + 3 |
| | Asyout ... (A) ... | 71 | 998.7 | +0.7 | 1000.3 | +0.5 | 998.8 | +0.7 | 998.1 | +0.4 | 25.4 | −0.4 | 26.4 | −0.4 | 35.0 | −0.2 | 30.2 | −0.8 | 38 | − 2 | 46 | − 4 | 22 | + 1 | 32 | + 3 |
| | Nag Hammadi ... ... | 69 | 999.3 | — | 1000.7 | +1.3 | 999.4 | +1.6 | 999.0 | +1.3 | 23.4 | — | 27.1 | −1.7 | 36.4 | −0.2 | 28.5 | −0.8 | 63 | — | 59 | +12 | 35 | + 9 | 55 | +12 |
| | Qena ... ... ... ... | 73 | 997.8 | — | 999.8 | +1.3 | 998.0 | +1.4 | 997.8 | +1.2 | 24.6 | — | 29.9 | −0.6 | 36.6 | −3.3 | 31.2 | −1.9 | 49 | — | 48 | +11 | 30 | +11 | 35 | + 7 |
| | Luxor ... ... (A) ... | 95 | 994.9 | +0.6 | 996.3 | +0.7 | 994.6 | +0.6 | 994.3 | +0.4 | 26.7 | −0.7 | 31.8 | −1.0 | 38.5 | −1.2 | 32.7 | −1.1 | 38 | + 7 | 31 | + 3 | 19 | + 4 | 28 | + 6 |
| | Aswan ... ... ... | 104 | 993.2 | — | 994.7 | +0.3 | 992.6 | +0.3 | 992.0 | −0.4 | 28.2 | — | 32.4 | +0.6 | 40.6 | +0.2 | 34.6 | −1.3 | 33 | — | 29 | 0 | 15 | − 2 | 19 | 0 |
| WESTERN DESERT | Siwa ... ... ... ... | −15 | 1011.3 | 0.0 | 1012.6 | 0.0 | 1011.1 | +0.1 | 1009.9 | 0.0 | 24.9 | −0.2 | 25.5 | 0.0 | 35.0 | −0.7 | 32.2 | −1.1 | 48 | 0 | 56 | − 3 | 21 | 0 | 25 | − 1 |
| | Bahariya ... ... ... | 128 | 994.3 | — | 995.2 | −0.9 | 993.7 | −0.7 | 994.0 | −0.1 | 24.5 | — | 25.4 | −0.5 | 35.9 | +0.6 | 31.8 | +1.3 | 49 | — | 52 | − 6 | 22 | − 6 | 26 | −10 |
| | Farafra ... ... ... | 90 | 999.3 | — | 1000.5 | +0.1 | 999.3 | +0.4 | 998.6 | +0.1 | 25.6 | — | 27.9 | +0.6 | 36.4 | +0.3 | 32.0 | +1.4 | 26 | — | 30 | −14 | 17 | − 6 | 16 | −12 |
| | Dakhla ... ... ... | 110 | 995.6 | — | 997.0 | +1.6 | 995.7 | +1.9 | 994.6 | +0.6 | 25.3 | — | 29.3 | −0.1 | 37.3 | +0.3 | 32.3 | −0.4 | 29 | — | 29 | − 1 | 12 | − 6 | 18 | − 2 |
| | Kharga ... ... ... | 72 | 998.9 | — | 1000.2 | −0.1 | 999.1 | +0.2 | 998.6 | −0.2 | 25.4 | — | 30.8 | +0.9 | 37.6 | −0.9 | 31.6 | −1.7 | 32 | — | 30 | −12 | 17 | − 9 | 22 | − 9 |
| RED SEA | Suez ... ... ... ... | 05 | 1005.4 | — | 1008.3 | +0.6 | 1007.2 | −0.2 | 1007.2 | +0.6 | 24.9 | — | 26.3 | −0.3 | 33.9 | −0.7 | 29.9 | +0.2 | — | — | 66 | − 2 | 29 | − 5 | 48 | − 4 |
| | Tor ... ... ... ... | 03 | 1004.9 | — | 1006.6 | +0.6 | 1005.2 | +0.3 | 1004.5 | +0.1 | 25.8 | — | 27.0 | −0.8 | 31.6 | −0.3 | 29.2 | −1.4 | 72 | — | 72 | + 2 | 46 | − 7 | 53 | − 1 |
| | Hurghada ... ... ... | 01 | 1005.9 | +2.5 | 1007.4 | +2.1 | 1005.9 | +2.2 | 1005.5 | +2.2 | 26.4 | −1.2 | 29.5 | +0.9 | 31.9 | +1.0 | 29.4 | −0.4 | 42 | − 4 | 47 | −13 | 44 | −14 | 47 | − 5 |
| | Quseir ... ... ... | 08 | 1004.6 | — | 1006.1 | +1.0 | 1005.1 | +0.2 | 1004.9 | +0.4 | 27.6 | — | 30.2 | −1.0 | 30.6 | −1.2 | 28.4 | −1.3 | 37 | — | 48 | 0 | 56 | − 8 | 58 | + 1 |

# TABLE A 2.—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

## JULY 1959

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A + B) /2 | Maximum temperature: Highest | Maximum temperature: Date | Maximum temperature: Lowest | Maximum temperature: Date | Number of days with maximum temperature: >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Minimum temperature: Date | Minimum temperature: Lowest | Minimum temperature: Date | Number of days with minimum temperature: <10° | < 5° | < 0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh ... ... (A) ... ... ... ... | 27.5 | —1.9 | 22.3 | +0.1 | 24.9 | 28.8 | 31 | 26.0 | 4 | 31 | 0 | 0 | 0 | 0 | 25.3 | 22 | 20.0 | 1·2 | 0 | 0 | 0 | 0 |
| | Bouka ... ... ... ... ... ... ... | 28.4 | — | 22.2 | — | 25.3 | 30.0 | 27·30 | 26.0 | 6·23 | 31 | 0 | 0 | 0 | 0 | 25.0 | 22 | 20.5 | * | 0 | 0 | 0 | 0 |
| | Tartous ... ... ... ... ... ... ... | 28.2 | — | 22.2 | — | 25.2 | 30.0 | * | 26.5 | 5 | 31 | 0 | 0 | 0 | 0 | 25.0 | 22 | 20.0 | 1·2 | 0 | 0 | 0 | 0 |
| WESTERN INLAND | Damascus ... ... (A) ... ... ... ... | 33.8 | —1.7 | 16.9 | —0.3 | 25.4 | 36.7 | 18 | 27.0 | 4 | 31 | 30 | 11 | 0 | 0 | 23.4 | 10 | 11.5 | 16 | 0 | 0 | 0 | 0 |
| | Aleppo ... ... (A) ... ... ... ... | 33.9 | —2.5 | 20.3 | +0.6 | 27.1 | 37.5 | 18 | 29.4 | 4 | 31 | 30 | 11 | 0 | 0 | 23.6 | 22 | 18.3 | 6 | 0 | 0 | 0 | 0 |
| | Hama ... ... (A) ... ... ... ... | 33.8 | — | 20.7 | — | 27.2 | 38.3 | 1 | 28.7 | 4 | 31 | 28 | 9 | 0 | 0 | 24.0 | 22 | 18.5 | 17 | 0 | 0 | 0 | 0 |
| | Homs ... ... ... ... ... ... ... ... | 29.8 | —2.3 | 18.6 | —0.3 | 24.2 | 33.0 | 1 | 26.0 | 4 | 31 | 11 | 0 | 0 | 0 | 22.0 | 22 | 17.0 | 5 | 0 | 0 | 0 | 0 |
| | Kharabo ... ... ... ... ... ... ... | 34.1 | — | 12.2 | — | 23.2 | 37.8 | 19 | 28.0 | 4·24 | 31 | 29 | 13 | 0 | 0 | 21.5 | 22 | 8.0 | 16 | 0 | 0 | 0 | 0 |
| | Salamiyie ... ... ... ... ... ... ... | 32.8 | — | 18.0 | — | 25.4 | 37.1 | 1 | 28.0 | 4 | 31 | 28 | 7 | 0 | 0 | 22.5 | 22 | 16.0 | 13 | 0 | 0 | 0 | 0 |
| | Meselmiyie ... ... ... ... ... ... | 33.5 | — | 21.0 | — | 27.2 | 36.8 | 18 | 28.6 | 4 | 31 | 29 | 9 | 0 | 0 | 23.4 | 22 | 18.2 | 5 | 0 | 0 | 0 | 0 |
| | Fiq ... ... ... ... ... ... ... ... | 30.4 | — | 19.9 | — | 25.2 | 34.2 | 28 | 27.4 | 4 | 31 | 18 | 0 | 0 | 0 | 21.9 | 30 | 17.4 | 16 | 0 | 0 | 0 | 0 |
| | Tell Shihab ... ... ... ... ... ... | 31.2 | — | 18.0 | — | 24.6 | 34.5 | 27·28 | 27.5 | 4 | 31 | 24 | 0 | 0 | 0 | 21.0 | 26 | 14.0 | 5 | 0 | 0 | 0 | 0 |
| DESERT | Palmyra ... ... (A) ... ... ... ... | 35.9 | —2.1 | 19.9 | —1.0 | 27.9 | 39.7 | 19 | 31.0 | 4 | 31 | 31 | 22 | 0 | 0 | 22.6 | 26 | 17.8 | 5 | 0 | 0 | 0 | 0 |
| EL GEZEIRA | Deir Ezzor ... (A) ... ... ... ... | 38.9 | —1.8 | 24.8 | —0.2 | 31.9 | 42.2 | 19 | 33.2 | 4 | 31 | 31 | 29 | 7 | 0 | 27.0 | 26 | 21.0 | 5 | 0 | 0 | 0 | 0 |
| | Raqqa ... ... ... ... ... ... ... | 37.5 | — | 20.9 | — | 29.2 | 41.2 | 2 | 32.0 | 4 | 31 | 31 | 27 | 2 | 0 | 23.8 | 22 | 17.7 | 5 | 0 | 0 | 0 | 0 |
| NORTH EASTERN | Qamishlie ... ... (A) ... ... ... ... | 39.2 | —1.0 | 21.8 | —1.9 | 30.5 | 42.3 | 19 | 34.8 | 5 | 31 | 31 | 29 | 9 | 0 | 29.4 | 9 | 16.7 | 5 | 0 | 0 | 0 | 0 |
| | Tell Tamer... ... ... ... ... ... ... | 38.3 | — | 21.1 | — | 29.7 | 44.0 | 8·9 | 32.6 | 4 | 31 | 31 | 28 | 5 | 0 | 25.0 | 25 | 17.0 | 5 | 0 | 0 | 0 | 0 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum ... ... ... ... ... ... ... ... | 29.3 | —2.2 | 21.0 | +0.4 | 25.2 | 32.4 | 20.21 | 25.3 | 6 | 31 | 12 | 0 | 0 | 0 | 23.1 | 18 | 18.2 | 5 | 0 | 0 | 0 | 0 |
| | Sidi Barrani ... ... ... ... ... ... | 27.8 | —0.6 | 22.2 | +0.3 | 25.0 | 29.3 | 29.30 | 26.5 | 13 | 31 | 0 | 0 | 0 | 0 | 23.9 | 24·28 | 19.4 | 5 | 0 | 0 | 0 | 0 |
| | Mersa Matruh ... (A) ... ... ... ... | 28.4 | —0.4 | 19.8 | —0.8 | 24.1 | 30.8 | 26 | 26.6 | 5 | 31 | 3 | 0 | 0 | 0 | 21.8 | 27 | 17.7 | 5 | 0 | 0 | 0 | 0 |
| | Dabaa ... ... ... ... ... ... ... ... | 28.6 | —0.9 | 19.6 | —1.3 | 24.1 | 30.5 | 26·31 | 27.0 | 5·7 | 31 | 2 | 0 | 0 | 0 | 22.0 | 23·24 | 16.5 | 5 | 0 | 0 | 0 | 0 |
| | Alexandria ... ... (A) ... ... ... ... | 29.4 | —0.1 | 22.3 | —0.4 | 25.8 | 31.3 | 28 | 27.7 | 4·6 | 31 | 12 | 0 | 0 | 0 | 25.1 | 25 | 18.8 | 5·14 | 0 | 0 | 0 | 0 |
| | Dekheila ... ... (A) ... ... ... ... | 28.4 | +0.6 | 21.7 | —1.1 | 25.0 | 30.0 | 27 | 26.7 | 3 | 31 | 0 | 0 | 0 | 0 | 23.7 | 21 | 17.5 | 5 | 0 | 0 | 0 | 0 |
| | Damietta ... ... ... ... ... ... ... | 28.7 | —2.9 | 20.8 | —0.5 | 24.8 | 32.0 | 19 | 26.2 | 6 | 31 | 9 | 0 | 0 | 0 | 22.8 | 19 | 18.8 | 5 | 0 | 0 | 0 | 0 |
| | Port Said ... ... (A) ... ... ... ... | 30.6 | +0.3 | 23.3 | —0.9 | 27.0 | 34.0 | 27 | 28.0 | 1 | 31 | 19 | 0 | 0 | 0 | 25.0 | 31 | 21.5 | 4·5 | 0 | 0 | 0 | 0 |
| | El Arish ... ... ... ... ... ... ... | 30.2 | —0.3 | 20.8 | —0.3 | 25.5 | 34.0 | 19 | 27.9 | 5 | 31 | 14 | 0 | 0 | 0 | 22.6 | 30 | 19.7 | 5·9·16 | 0 | 0 | 0 | 0 |
| | Ghazza ... ... ... ... ... ... ... | 27.7 | —2.3 | 20.3 | +0.2 | 24.0 | 29.7 | 19 | 26.2 | 15 | 31 | 0 | 0 | 0 | 0 | 22.4 | 4·30 | 19.0 | 15 | 0 | 0 | 0 | 0 |

* = More than three days.

TABLE A 2. (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

**JULY 1959**

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A + B) /2 | Maximum temperature: Highest | Date | Lowest | Date | Number of days with maximum temperature: >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Date | Lowest | Date | Number of days with minimum temperature: <10° | <5° | <0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | |
| LOWER EGYPT | Damanhour | 31.3 | −1.3 | 19.8 | −0.3 | 25.6 | 35.1 | 19 | 28.4 | 3 | 31 | 24 | 1 | 0 | 0 | 21.4 | 21 | 18.1 | 5 | 0 | 0 | 0 | 0 |
| | Mansoura | 32.9 | −2.0 | 20.4 | −0.2 | 26.6 | 35.3 | 19 | 30.5 | 4·6·7 | 31 | 31 | 2 | 0 | 0 | 23.7 | 26 | 18.5 | 4·5 | 0 | 0 | 0 | 0 |
| | Tanta | 33.4 | −1.1 | 19.3 | +0.2 | 26.4 | 36.7 | 18 | 30.3 | 7 | 31 | 31 | 6 | 0 | 0 | 22.3 | 26 | 16.9 | 5 | 0 | 0 | 0 | 0 |
| | Shebin el Kom | 33.2 | −2.4 | 21.1 | +0.5 | 27.2 | 36.3 | 19 | 30.4 | 6 | 31 | 31 | 2 | 0 | 0 | 23.8 | 24 | 18.6 | 5 | 0 | 0 | 0 | 0 |
| | Zagazig | 33.3 | −1.7 | 20.4 | +0.5 | 26.8 | 36.5 | 19 | 29.9 | 4 | 31 | 30 | 4 | 0 | 0 | 22.9 | 18 | 18.5 | 6 | 0 | 0 | 0 | 0 |
| | Zaher (A) | 34.1 | — | 21.1 | — | 27.6 | 37.0 | 19 | 31.1 | 15 | 31 | 31 | 10 | 0 | 0 | 23.4 | 26 | 19.3 | 4·5·6 | 0 | 0 | 0 | 0 |
| | Wadi el Natrun | 34.8 | −1.6 | 20.1 | −0.5 | 27.5 | 38.9 | 19 | 31.4 | 4 | 31 | 31 | 12 | 0 | 0 | 23.3 | 19 | 17.4 | 7 | 0 | 0 | 0 | 0 |
| | Abu Sueir (A) | 34.9 | — | 21.2 | — | 28.6 | 39.5 | 18, 19 | 31.5 | 4 | 31 | 31 | 16 | 0 | 0 | 23.1 | 25 | 19.0 | 5 | 0 | 0 | 0 | 0 |
| CAIRO AREA | Cairo (A) | 34.0 | −1.7 | 21.3 | −0.3 | 27.6 | 38.0 | 19 | 30.3 | 4 | 31 | 31 | 8 | 0 | 0 | 23.9 | 19 | 19.8 | * | 0 | 0 | 0 | 0 |
| | Almaza (A) | 34.2 | −1.4 | 21.8 | 0.0 | 28.0 | 38.2 | 19 | 31.2 | 4·6 | 31 | 31 | 9 | 0 | 0 | 24.7 | 19 | 19.4 | 1 | 0 | 0 | 0 | 0 |
| | Abbasiya (H.Q.) | 35.3 | — | 21.7 | — | 28.5 | 38.5 | 19 | 32.4 | 5 | 31 | 31 | 18 | 0 | 0 | 23.5 | 19·26 | 20.0 | 5 | 0 | 0 | 0 | 0 |
| | Mostafa Helmi (A) | 34.0 | — | 20.2 | — | 27.1 | 37.4 | 18 | 30.5 | 6 | 31 | 31 | 11 | 0 | 0 | 23.0 | 18·19 | 17.8 | 4 | 0 | 0 | 0 | 0 |
| | Giza | 34.2 | −1.5 | 20.0 | +0.2 | 27.1 | 37.0 | 19 | 31.6 | 5 | 31 | 31 | 9 | 0 | 0 | 23.2 | 26 | 17.4 | 4 | 0 | 0 | 0 | 0 |
| | Helwan | 34.1 | −1.4 | 20.8 | −0.5 | 27.0 | 38.8 | 19 | 30.8 | 5 | 31 | 31 | 9 | 0 | 0 | 21.9 | 19 | 18.3 | 7 | 0 | 0 | 0 | 0 |
| UPPER EGYPT | Fayoum | 36.0 | −0.6 | 21.2 | 0.0 | 28.6 | 41.0 | 19 | 32.6 | 4 | 31 | 31 | 23 | 1 | 0 | 24.3 | 19 | 19.3 | 11 | 0 | 0 | 0 | 0 |
| | Beni Suef | 36.2 | −0.6 | 19.7 | −0.5 | 28.0 | 41.0 | 19 | 32.9 | 4 | 31 | 31 | 23 | 1 | 0 | 21.8 | 19 | 17.2 | 11 | 0 | 0 | 0 | 0 |
| | Minya (A) | 36.0 | −1.0 | 19.8 | −0.3 | 27.9 | 40.3 | 19 | 33.2 | 6 | 31 | 31 | 20 | 1 | 0 | 22.5 | 31 | 17.4 | 11 | 0 | 0 | 0 | 0 |
| | Asyout (A) | 36.0 | −1.2 | 22.3 | −0.1 | 29.2 | 39.4 | 19 | 33.2 | 4 | 31 | 31 | 21 | 0 | 0 | 24.4 | 29 | 19.5 | 11 | 0 | 0 | 0 | 0 |
| | Nag Hammadi | 37.6 | +0.1 | 20.8 | +0.1 | 29.2 | 41.2 | 30 | 34.6 | 7 | 31 | 31 | 29 | 3 | 0 | 23.5 | 31 | 18.8 | 13 | 0 | 0 | 0 | 0 |
| | Qena | 38.0 | −2.9 | 21.9 | −2.3 | 30.0 | 41.6 | 29 | 36.4 | 4 | 31 | 31 | 31 | 2 | 0 | 24.5 | 28 | 19.7 | 13 | 0 | 0 | 0 | 0 |
| | Luxor (A) | 39.5 | −1.4 | 22.8 | −1.0 | 31.2 | 43.4 | 20 | 36.1 | 6 | 31 | 31 | 31 | 12 | 0 | 26.0 | 28 | 20.5 | 13 | 0 | 0 | 0 | 0 |
| | Aswan | 41.9 | +0.5 | 24.9 | −0.7 | 33.4 | 45.7 | 31 | 39.2 | 7 | 31 | 31 | 31 | 29 | 1 | 28.1 | 4 | 22.1 | 14 | 0 | 0 | 0 | 0 |
| WESTERN DESERT | Siwa | 36.4 | −1.4 | 21.4 | −0.1 | 28.9 | 40.4 | 28 | 31.8 | 4 | 31 | 31 | 25 | 1 | 0 | 24.6 | 28 | 18.9 | 5 | 0 | 0 | 0 | 0 |
| | Bahariya | 36.6 | −0.1 | 20.6 | +0.3 | 28.6 | 41.5 | 19 | 32.1 | 4 | 31 | 31 | 27 | 3 | 0 | 25.0 | 19 | 16.8 | 11 | 0 | 0 | 0 | 0 |
| | Farafra | 37.5 | −0.1 | 21.6 | +0.6 | 29.6 | 42.6 | 29 | 33.7 | 4 | 31 | 31 | 29 | 5 | 0 | 24.8 | 30 | 17.9 | 5 | 0 | 0 | 0 | 0 |
| | Dakhla | 38.2 | −0.2 | 21.5 | −1.9 | 29.8 | 43.1 | 30 | 34.3 | 4 | 31 | 31 | 30 | 6 | 0 | 26.4 | 31 | 17.3 | 7 | 0 | 0 | 0 | 0 |
| | Kharga | 39.2 | −0.1 | 22.1 | −1.4 | 30.6 | 44.3 | 30 | 36.6 | 4·6 | 31 | 31 | 31 | 10 | 0 | 27.0 | 31 | 18.4 | 28 | 0 | 0 | 0 | 0 |
| RED SEA | Suez | 35.5 | −0.9 | 22.1 | −0.6 | 28.8 | 39.7 | 19 | 32.1 | 7 | 31 | 31 | 19 | 0 | 0 | 24.0 | 21 | 20.1 | 5·7 | 0 | 0 | 0 | 0 |
| | Tor | 33.7 | −1.0 | 24.2 | −0.2 | 29.0 | 40.8 | 30 | 28.7 | 6 | 31 | 30 | 8 | 1 | 0 | 26.6 | 31 | 20.8 | 20 | 0 | 0 | 0 | 0 |
| | Hurghada | 33.4 | +0.9 | 23.9 | −0.9 | 28.6 | 36.3 | 30 | 30.3 | 8 | 31 | 31 | 6 | 0 | 0 | 26.4 | 31 | 21.5 | 18 | 0 | 0 | 0 | 0 |
| | Quseir | 32.5 | −1.0 | 25.4 | −1.0 | 29.0 | 35.6 | 19 | 30.4 | 8 | 31 | 31 | 1 | 0 | 0 | 28.7 | 23 | 22.0 | 15 | 0 | 0 | 0 | 0 |

* = More than three days.

## TABLE A 3.—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

### JULY 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh (A) ... | tr | 0.0 | tr | 4·20·21 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 316.5 | 406.6 | 78 | 2.4 | 4.6 | 3.5 | 3.5 | 4.3 |
| | Bouka ... ... ... ... | 10.2 | — | 8.2 | 4 | 2 | 2 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 4.1 | 4.1 | 4.4 | 2.4 |
| | Tartous ... ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.7 | 1.6 | 1.1 | 1.9 |
| WESTERN INLAND | Damascus (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 396.0 | 401.9 | 98 | 0.0 | 0.3 | 0.9 | 0.1 | 14.5 |
| | Aleppo (A) ... | 0.0 | —0.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 392.3 | 411.4 | 95 | 0.0 | 0.4 | 0.1 | 0.1 | 12.1 |
| | Hama (A) ... | 0.0 | —0.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 402.8 | 414.1 | 97 | 0.6 | 0.7 | 1.1 | 0.4 | 11.3 |
| | Homs ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.0 | 2.3 | 3.0 | 4.7 |
| | Kharabo ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.6 | 0.3 | 0.1 | — |
| | Salamiyie ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.2 | 0.3 | 0.0 | 6.9 |
| | Meselmiyie ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.3 | 0.1 | 0.0 | 11.7 |
| | Fiq ... ... ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 358.5 | 405.4 | 88 | 1.5 | 4.6 | 1.7 | 1.5 | 7.0 |
| | Tell Shihab ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 3.9 | 1.2 | 0.6 | 6.4 |
| DESERT | Palmyra (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 394.4 | 401.4 | 98 | 0.0 | 0.3 | 0.2 | 0.0 | 14.7 |
| EL GEZIRA | Deir Ezzor (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 359.4 | 411.5 | 87 | 0.0 | 0.1 | 0.1 | 0.2 | 18.6 |
| | Raqqa ... ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 377.3 | 402.7 | 94 | 0.3 | 0.1 | 0.7 | 0.5 | 17.8 |
| NORTH EASTERN | Qamishlie (A) ... | 5.0 | +4.1 | 5.0 | 25 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | 355.7 | 389.2 | 91 | 0.4 | 0.4 | 0.6 | 0.4 | 10.5 |
| | Tell Tamer ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.2 | 0.4 | 0.5 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.7 | 0.5 | 0.9 | 0.3 | 8.4 |
| | Sidi Barrani ... ... ... | tr | + tr | tr | 14 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 3.2 | 0.9 | 1.7 | 5.6 |
| | Mersa Matruh (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.4 | 3.2 | 0.6 | 2.4 | 8.5 |
| | Dabaa ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.8 | 0.3 | 0.4 | 7.5 |
| | Alexandria (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 375.6 | 432.4 | 86·9 | 1.2 | 1.7 | 1.1 | 0.9 | 4.6 |
| | Dekhelia (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.0 | 1.7 | 0.5 | 0.7 | 6.3 |
| | Damieta ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.4 | 0.3 | 0.2 | 4.2 |
| | Port Said (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 340.7 | 432.4 | 78.8 | 0.9 | 2.5 | 0.3 | 0.5 | 7.1 |
| | El Arish ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.2 | 2.0 | 0.4 | 1.1 | 5.9 |
| | Ghazaa ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 366.6 | 433.8 | 84.5 | 1.1 | 3.4 | 1.3 | 1.6 | 3.0 |

TABLE A 3. *(contd.)*—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

**JULY 1959**

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Southern Region** *(contd.)* | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.4 | 1.1 | 0.3 | 4.7 |
| | Mansoura ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.6 | 1.3 | 0.0 | 4.6 |
| | Tanta ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 384.1 | 432.4 | 88.8 | — | 1.6 | 1.4 | — | 6.8 |
| | Shebin el Kom ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.8 | 0.5 | 0.1 | 5.1 |
| | Zagazig ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 3.4 | 2.9 | 0.7 | 5.6 |
| | Zaher ... ... (A) ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.6 | 1.1 | 0.1 | 11.6 |
| | Wadi el Natrun ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.5 | 1.6 | 0.1 | 11.1 |
| | Abu Sueir ... (A) ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.3 | 2.6 | 1.3 | 0.1 | 13.8 |
| Cairo Area | Cairo ... ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.5 | 2.2 | 1.1 | 0.2 | 13.3 |
| | Almaza ... ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 359.8 | 430.1 | 83.6 | 0.6 | 2.6 | 1.0 | 0.2 | 9.4 |
| | Abbasiya (H.Q.) ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | (292.8) | (333.4) | 87.8 | 0.3 | 2.2 | 0.7 | 0.2 | 7.7 |
| | Mostafa Helmi (A) ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.4 | 1.8 | 0.9 | 0.1 | 17.4 |
| | Giza... ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 372.0 | 430.1 | 86.5 | — | 2.2 | 0.9 | 2.8 | 9.3 |
| | Helwan ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | (374.2) | (416.0) | 90.0 | — | 0.8 | 0.7 | 0.3 | 12.8 |
| Upper Egypt | Fayoum ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.2 | 0.1 | 0.0 | 8.7 |
| | Beni Suef ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.4 | 0.5 | 0.7 | 8.3 |
| | Minya ... ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.0 | 0.4 | 0.1 | 13.0 |
| | Asyout ... ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.0 | 0.0 | 0.0 | 17.9 |
| | Nag Hammadi ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.0 | 0.5 | 0.2 | 9.8 |
| | Qena ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.0 | 0.0 | 0.0 | 10.6 |
| | Luxor ... ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.1 | 0.2 | 0.0 | 15.0 |
| | Aswan ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.3 | 0.8 | 0.3 | 15.3 |
| Western Desert | Siwa ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.3 | 0.7 | 0.4 | 15.3 |
| | Bahariya ... ... | 0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.0 | 0.5 | 0.3 | 10.8 |
| | Farafra ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.0 | 0.1 | 0.1 | 20.4 |
| | Dakhla ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.4 | 0.3 | 0.6 | 21.9 |
| | Kharga ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.2 | 0.5 | 0.5 | 14.6 |
| Red Sea | Suez ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.8 | 0.3 | 0.2 | 14.3 |
| | Tor ... ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.1 | 0.5 | 0.5 | 11.6 |
| | Hurghada ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.2 | 0.3 | 0.4 | 19.1 |
| | Quseir ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.5 | 0.3 | 0.2 | 13.8 |

Actual number of sunshine records was 24 days at Abbasiya (H.Q.)and 30 days at Helwan.

## TABLE A 4.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA
## JULY 1959

| Station | Number of days of occurrence of | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rain | Snow | Hail | Thunderstorm | Fog | Mist | Haze | Sandstorm Duststorm | Sandrising Dustrising | Gales | Cloudy sky | Clear sky |
| **NORTHERN REGION** | | | | | | | | | | | | |
| Jableh ... ... ... (A) ... ... | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| Bouka ... ... ... ... ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Tartous ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Damascus ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 3 | 0 | 0 | 31 |
| Aleppo ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 18 |
| Hama ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | — | 0 | 28 |
| Homs ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | — | — |
| Kharabo ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Salamiyie ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Meselmiyie ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Fiq ... ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Tell Shihab ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | — | — |
| Palmyra ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 | 0 | 0 | 16 |
| Deir Ezzor ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 20 | 0 | 0 | 4 |
| Raqqa ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 20 | 0 | 0 | 12 |
| Qamishlie ... ... (A) ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 6 | 0 | 0 | 7 |
| Tell Tamer ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| **SOUTHERN REGION** | | | | | | | | | | | | |
| Sallum ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 30 |
| Sidi Barrani ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Mersa Matruh ... (A) ... ... | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 1 | 0 | 0 | 22 |
| Alexandria ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 21 |
| Port Said ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 30 |
| El Arish... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| Abu Sueir ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 1 | 0 | 0 | 25 |
| Cairo ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 1 | 14 | 12 | 0 | 0 | 0 | 0 | 28 |
| Almaza ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 28 |
| Abbasiya (H.Q.) ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 30 |
| Mostafa Helmi ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 11 | 4 | 0 | 2 | 0 | 0 | 28 |
| Minya ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| Asyout ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| Luxor ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| Aswan ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| Siwa ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| Hurghada ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| Quseir ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 31 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## NORTHERN REGION—JULY 1959

| Districts | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| Coastal | Jableh (A) | 129 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 21 | 6 | 34 | 39 | 100 | 116 | 43 | 3 | 1 | 0 | 0 | 0 | 363 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 54 | 139 | 56 | 0 | 0 | 0 | 0 | 0 | 252 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 0 | 0 | 21 | 6 | 35 | 41 | 154 | 255 | 99 | 3 | 1 | 0 | 0 | 0 | 615 |
| Western Inland | Damascus (A) | 155 | 0 | 0 | 1–10 | 0 | 4 | 4 | 6 | 29 | 14 | 11 | 2 | 16 | 26 | 9 | 15 | 38 | 39 | 24 | 12 | 249 |
| | | | | | 11–27 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 17 | 45 | 178 | 76 | 327 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 13 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 4 | 5 | 4 | 6 | 29 | 14 | 11 | 2 | 17 | 28 | 10 | 17 | 55 | 84 | 215 | 88 | 589 |
| | Aleppo (A) | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 11 | 40 | 23 | 0 | 0 | 0 | 76 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 97 | 250 | 214 | 0 | 0 | 0 | 575 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 43 | 30 | 0 | 0 | 0 | 92 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10 | 127 | 333 | 267 | 0 | 0 | 0 | 743 |
| | Hama (A) | 23 | 0 | 0 | 1–10 | 0 | 5 | 8 | 0 | 0 | 0 | 4 | 13 | 36 | 56 | 19 | 9 | 2 | 0 | 0 | 0 | 152 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 54 | 268 | 189 | 33 | 1 | 0 | 0 | 0 | 553 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 3 | 0 | 0 | 0 | 0 | 16 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 5 | 8 | 0 | 0 | 0 | 4 | 21 | 90 | 327 | 218 | 45 | 3 | 0 | 0 | 0 | 721 |
| | Kharabo | 232 | 0 | 252 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 38 | 78 | 3 | 0 | 0 | 123 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 40 | 80 | 0 | 0 | 0 | 135 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 78 | 160 | 3 | 0 | 0 | 260 |
| | Salamiyie | 89 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 153 | 13 | 1 | 0 | 0 | 0 | 0 | 218 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 319 | 81 | 4 | 0 | 0 | 0 | 0 | 431 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 478 | 94 | 5 | 0 | 0 | 0 | 0 | 655 |
| | Meselmiyie | 10 | 0 | 130 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 6 | 0 | 0 | 26 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 247 | 49 | 5 | 0 | 309 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 225 | 40 | 1 | 0 | 268 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 493 | 95 | 6 | 0 | 604 |
| | Fiq | 5 | 0 | 231 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 29 | 74 | 25 | 7 | 0 | 140 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 22 | 205 | 132 | 8 | 0 | 368 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 51 | 279 | 157 | 15 | 0 | 508 |
| Desert | Palmyra (A) | 0 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 112 | 87 | 22 | 1 | 229 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 | 260 | 179 | 54 | 1 | 515 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 23 | 372 | 266 | 76 | 2 | 744 |
| El Gezeira | Deir Ezzor (A) | 43 | 0 | 0 | 1–10 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 10 | 39 | 129 | 204 | 63 | 13 | 465 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 39 | 124 | 64 | 3 | 236 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 13 | 42 | 168 | 328 | 137 | 16 | 701 |
| | Raqqa | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 8 | 8 | 6 | 3 | 0 | 0 | 0 | 41 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 161 | 140 | 233 | 112 | 50 | 1 | 0 | 0 | 703 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 177 | 148 | 241 | 118 | 53 | 1 | 0 | 0 | 744 |
| North Eastern | Qamishlie (A) | 132 | 0 | 0 | 1–10 | 67 | 10 | 7 | 22 | 29 | 10 | 0 | 22 | 36 | 13 | 12 | 40 | 139 | 77 | 24 | 21 | 529 |
| | | | | | 11–27 | 16 | 14 | 0 | 0 | 1 | 1 | 0 | 2 | 2 | 1 | 0 | 9 | 28 | 9 | 0 | 0 | 83 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 83 | 24 | 7 | 22 | 30 | 11 | 0 | 24 | 38 | 14 | 12 | 49 | 167 | 86 | 24 | 21 | 612 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## SOUTHERN REGION—JULY 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| MEDITERRANEAN | Sidi Barrani ... | 3 | 0 | 0 | 1-10 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 11 | 42 | 181 | 128 | 398 |
| | | | | | 11-27 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 191 | 91 | 343 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **76** | **0** | **0** | **0** | **0** | **0** | **0** | **5** | **12** | **57** | **372** | **219** | **741** |
| | Mersa Matruh (A) | 2 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 153 | 114 | 78 | 56 | 409 |
| | | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 24 | 210 | 92 | 333 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **2** | **0** | **0** | **0** | **1** | **0** | **1** | **6** | **158** | **138** | **288** | **148** | **742** |
| | Alexandria (A) | 14 | 0 | 0 | 1-10 | 14 | 12 | 7 | 0 | 0 | 3 | 3 | 7 | 6 | 77 | 204 | 153 | 486 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 51 | 143 | 43 | 244 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **14** | **12** | **7** | **0** | **0** | **3** | **3** | **7** | **13** | **128** | **347** | **196** | **730** |
| | Dekheila (A) | 6 | 0 | 4 | 1-10 | 69 | 24 | 6 | 7 | 1 | 1 | 0 | 5 | 5 | 31 | 109 | 168 | 426 |
| | | | | | 11-27 | 16 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 99 | 172 | 308 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **85** | **30** | **6** | **7** | **1** | **1** | **0** | **5** | **5** | **46** | **208** | **340** | **734** |
| | Port Said (A) | 0 | 0 | 0 | 1-10 | 90 | 23 | 14 | 6 | 7 | 4 | 1 | 4 | 38 | 132 | 119 | 99 | 537 |
| | | | | | 11-27 | 47 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 15 | 35 | 89 | 207 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **137** | **30** | **14** | **6** | **7** | **4** | **1** | **4** | **52** | **147** | **154** | **188** | **744** |
| | El Arish ... ... | 118 | 105 | 0 | 1-10 | 59 | 23 | 1 | 1 | 0 | 9 | 7 | 49 | 58 | 11 | 95 | 164 | 477 |
| | | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 29 | 9 | 44 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **61** | **23** | **1** | **1** | **0** | **9** | **7** | **50** | **58** | **14** | **124** | **173** | **521** |
| LOWER EGYPT | Zaher (A) | 10 | 4 | 6 | 1-10 | 79 | 67 | 19 | 11 | 5 | 2 | 8 | 20 | 85 | 95 | 90 | 184 | 665 |
| | | | | | 11-27 | 8 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 13 | 31 | 59 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **87** | **67** | **21** | **11** | **5** | **2** | **8** | **20** | **85** | **100** | **103** | **215** | **724** |
| CAIRO AREA | Cairo (A) | 34 | 1 | 0 | 1-10 | 108 | 61 | 49 | 11 | 2 | 6 | 0 | 5 | 20 | 75 | 173 | 188 | 698 |
| | | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 11 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **111** | **61** | **49** | **11** | **2** | **6** | **0** | **5** | **20** | **76** | **178** | **190** | **709** |
| | Almaza (A) | 0 | 5 | 0 | 1-10 | 164 | 173 | 154 | 22 | 6 | 12 | 1 | 5 | 4 | 4 | 37 | 101 | 683 |
| | | | | | 11-27 | 13 | 22 | 10 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 3 | 56 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 177 | 195 | 164 | 26 | 7 | 13 | 1 | 5 | 4 | 4 | 39 | 104 | 739 |
| | Abbasiya (H. Q) | 46 | 6 | 0 | 1-10 | 222 | 54 | 4 | 0 | 0 | 9 | 0 | 0 | 3 | 35 | 129 | 236 | 692 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 222 | 54 | 4 | 0 | 0 | 9 | 0 | 0 | 3 | 35 | 129 | 236 | 692 |
| | Mostafa Helmi (A) | 12 | 1 | 0 | 1-10 | 60 | 75 | 47 | 15 | 5 | 2 | 0 | 4 | 4 | 15 | 51 | 111 | 389 |
| | | | | | 11-27 | 69 | 137 | 21 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 14 | 93 | 342 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **129** | **212** | **68** | **18** | **5** | **2** | **0** | **4** | **4** | **20** | **65** | **204** | **731** |
| | Giza ... ... ... | 34 | 11 | 1 | 1-10 | 193 | 193 | 45 | 24 | 0 | 0 | 0 | 0 | 0 | 6 | 79 | 158 | 698 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **193** | **193** | **45** | **24** | **0** | **0** | **0** | **0** | **0** | **6** | **79** | **158** | **698** |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORED WITHIN SPECIFIED RANGES

## SOUTHERN REGION (*contd.*)—JULY 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind Speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| Upper Egypt | Minya ... ... (A) | 35 | 12 | 4 | 1-10 | 234 | 41 | 16 | 0 | 0 | 1 | 4 | 0 | 0 | 9 | 26 | 236 | 567 |
| | | | | | 11-27 | 91 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 27 | 126 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | | | | | All speeds | 325 | 45 | 16 | 0 | 0 | 1 | 4 | 0 | 0 | 9 | 30 | 263 | 693 |
| | Luxor... ... (A) | 24 | 5 | 0 | 1-10 | 14 | 36 | 10 | 8 | 16 | 27 | 94 | 76 | 44 | 51 | 131 | 193 | 700 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 13 | 15 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 14 | 36 | 10 | 8 | 16 | 27 | 94 | 76 | 44 | 52 | 132 | 206 | 715 |
| Western Desert | Siwa ... ... ... | 35 | 6 | 0 | 1-10 | 122 | 100 | 96 | 60 | 19 | 8 | 4 | 1 | 3 | 8 | 52 | 114 | 587 |
| | | | | | 11-27 | 32 | 24 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 49 | 116 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 154 | 124 | 104 | 60 | 19 | 8 | 4 | 1 | 3 | 8 | 55 | 163 | 703 |
| | Dakhla ... ... | 23 | 1 | 1 | 1-10 | 102 | 19 | 19 | 10 | 10 | 11 | 25 | 28 | 24 | 74 | 96 | 146 | 564 |
| | | | | | 11-27 | 53 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 89 | 155 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 155 | 21 | 20 | 11 | 10 | 11 | 25 | 28 | 25 | 76 | 102 | 235 | 719 |
| Red Sea | Hurghada ... ... | 17 | 0 | 0 | 1-10 | 34 | 66 | 22 | 10 | 7 | 29 | 6 | 3 | 7 | 16 | 122 | 65 | 387 |
| | | | | | 11-27 | 113 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 57 | 131 | 340 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 147 | 98 | 22 | 10 | 7 | 29 | 6 | 3 | 7 | 23 | 179 | 196 | 727 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## JABLEH (A)—JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 12 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 4 | 0 | 5 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 4 | 0 | 5 | 1 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 0300 | 10 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 5 | 1 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 5 | 1 | 7 | 2 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 0600 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 25 |
| 0900 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 5 | 0 | 0 | 0 | 0 | 0 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 19 | 9 | 1 | 0 | 0 | 0 | 0 | 29 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 16 | 4 | 0 | 0 | 0 | 0 | 0 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 21 | 8 | 0 | 0 | 0 | 0 | 0 | 31 |
| 1500 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 17 | 5 | 0 | 0 | 0 | 0 | 0 | 30 |
| 1800 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 2100 | 11 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 8 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 24 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DAMASCUS (A) – JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 7 | 0 | 0 | 1–10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 5 | 4 | 1 | 0 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | 2 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **0** | **6** | **5** | **8** | **2** | **24** |
| 0300 | 7 | 0 | 0 | 1–10 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 6 | 3 | 2 | 1 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **1** | **0** | **0** | **1** | **0** | **1** | **0** | **1** | **0** | **2** | **6** | **6** | **5** | **1** | **24** |
| 0600 | 16 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 1 | 1 | 1 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **3** | **0** | **0** | **0** | **2** | **2** | **0** | **1** | **1** | **2** | **4** | **0** | **15** |
| 0900 | 5 | 0 | 0 | 1–10 | 0 | 0 | 0 | 2 | 3 | 3 | 1 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 7 | 1 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **2** | **3** | **3** | **1** | **0** | **1** | **3** | **0** | **0** | **2** | **2** | **7** | **2** | **26** |
| 1200 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 2 | 3 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 12 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 5 | 5 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **0** | **2** | **3** | **1** | **0** | **0** | **1** | **2** | **0** | **1** | **3** | **5** | **6** | **5** | **30** |
| 1500 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 3 | 12 | 7 | 25 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **1** | **2** | **0** | **0** | **2** | **3** | **14** | **7** | **30** |
| 1800 | 3 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 7 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **16** | **8** | **28** |
| 2100 | 7 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 7 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 4 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **1** | **1** | **0** | **1** | **0** | **2** | **13** | **5** | **24** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEPPO (A)—JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 9 | 7 | 0 | 0 | 0 | 25 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 13 | 8 | 0 | 0 | 0 | 31 |
| 0300 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 4 | 0 | 0 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 7 | 3 | 0 | 0 | 0 | 20 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 9 | 13 | 7 | 0 | 0 | 0 | 31 |
| 0600 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9 | 13 | 0 | 0 | 0 | 26 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 4 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 11 | 14 | 0 | 0 | 0 | 31 |
| 0900 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 13 | 12 | 0 | 0 | 0 | 28 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 14 | 13 | 0 | 0 | 0 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 11 | 0 | 0 | 0 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 4 | 0 | 0 | 0 | 10 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 13 | 15 | 0 | 0 | 0 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 11 | 0 | 0 | 0 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 2 | 0 | 0 | 0 | 10 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 14 | 13 | 0 | 0 | 0 | 31 |
| 1800 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 9 | 0 | 0 | 0 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 0 | 0 | 0 | 10 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 11 | 14 | 0 | 0 | 0 | 31 |
| 2100 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 19 | 4 | 0 | 0 | 0 | 26 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 21 | 6 | 0 | 0 | 0 | 31 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## HAMA (A) - JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **1** | **0** | **0** | **0** | **0** | **2** | **7** | **10** | **9** | **0** | **0** | **0** | **0** | **0** | **0** | **29** |
| 0300 | 3 | 0 | 0 | 1-10 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 3 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **1** | **1** | **0** | **0** | **0** | **1** | **2** | **7** | **12** | **4** | **0** | **0** | **0** | **0** | **0** | **28** |
| 0600 | 1 | 0 | 0 | 1-10 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 11 | 2 | 0 | 0 | 0 | 0 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **13** | **11** | **3** | **0** | **0** | **0** | **0** | **30** |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 6 | 4 | 0 | 0 | 0 | 0 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **14** | **10** | **6** | **0** | **0** | **0** | **0** | **31** |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 12 | 3 | 0 | 0 | 0 | 0 | 27 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **11** | **13** | **4** | **1** | **0** | **0** | **0** | **31** |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 13 | 3 | 0 | 0 | 0 | 0 | 29 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **11** | **15** | **3** | **0** | **0** | **0** | **0** | **31** |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 17 | 10 | 2 | 0 | 0 | 0 | 0 | 31 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **17** | **10** | **2** | **0** | **0** | **0** | **0** | **31** |
| 2100 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 16 | 4 | 0 | 0 | 0 | 0 | 0 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **6** | **19** | **4** | **0** | **0** | **0** | **0** | **0** | **31** |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

### KHARABO —JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 15 | 0 | 11 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 2 | 3 | ● | ● | ● | 5 |
| 0300 | 19 | 0 | 11 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 1 | ● | ● | ● | 1 |
| 0600 | 22 | 0 | 9 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 0900 | 11 | 0 | 9 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 7 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 11 | ● | ● | ● | 11 |
| 1200 | 2 | 0 | 10 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 5 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 8 | 0 | 0 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 1 | 4 | 13 | 1 | ● | ● | 19 |
| 1500 | 10 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 10 | 0 | 0 | 0 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 2 | 6 | 13 | ● | ● | ● | 21 |
| 1800 | 2 | 0 | 11 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 6 | 0 | 0 | 0 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 3 | 7 | 8 | ● | ● | ● | 18 |
| 2100 | 4 | 0 | 11 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 8 | 1 | 0 | 0 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 6 | 9 | 1 | ● | ● | 16 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## SALAMIYIE —JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 6 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 0300 | 17 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 0600 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 18 | 2 | 0 | 0 | 0 | 0 | 0 | 26 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 21 | 2 | 0 | 0 | 0 | 0 | 0 | 31 |
| 0900 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 12 | 2 | 0 | 0 | 0 | 0 | 28 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 14 | 2 | 0 | 0 | 0 | 0 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 14 | 0 | 0 | 0 | 0 | 0 | 30 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 15 | 0 | 0 | 0 | 0 | 0 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 7 | 0 | 0 | 0 | 0 | 0 | 30 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 8 | 0 | 0 | 0 | 0 | 0 | 31 |
| 1800 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 2100 | 8 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MESELMIYIE — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 1 | 0 | 8 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 4 | 0 | 0 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **16** | **5** | **1** | **0** | **22** |
| 0300 | 2 | 0 | 9 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 2 | 0 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **16** | **4** | **0** | **0** | **20** |
| 0600 | 8 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 4 | 0 | 0 | 19 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **18** | **4** | **0** | **0** | **23** |
| 0900 | 0 | 0 | 1 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 3 | 1 | 0 | 20 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 2 | 0 | 0 | 10 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **23** | **5** | **1** | **0** | **30** |
| 1200 | 0 | 0 | 2 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 2 | 0 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 1 | 0 | 0 | 15 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **23** | **3** | **0** | **0** | **29** |
| 1500 | 0 | 0 | 3 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 | 3 | 0 | 0 | 22 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **24** | **3** | **0** | **0** | **28** |
| 1800 | 0 | 0 | 6 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 0 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 2 | 0 | 0 | 15 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **22** | **3** | **0** | **0** | **25** |
| 2100 | 0 | 0 | 7 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 1 | 0 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 10 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **18** | **6** | **0** | **0** | **24** |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### FIQ—JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 1 | 0 | 15 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **7** | **8** | **0** | **0** | **0** | **15** |
| 0300 | 1 | 0 | 15 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | 0 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **2** | **12** | **0** | **0** | **0** | **15** |
| 0600 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 3 | 0 | 0 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 0 | 0 | 0 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **13** | **15** | **3** | **0** | **0** | **31** |
| 0900 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 1 | 0 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 6 | 0 | 0 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **5** | **18** | **7** | **0** | **0** | **31** |
| 1200 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 17 | 0 | 0 | 31 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **14** | **17** | **0** | **0** | **31** |
| 1500 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 0 | 0 | 30 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **15** | **15** | **1** | **0** | **31** |
| 1800 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 0 | 0 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 7 | 0 | 0 | 19 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **19** | **12** | **0** | **0** | **31** |
| 2100 | 1 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 7 | 1 | 2 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 3 | 0 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **9** | **12** | **4** | **2** | **0** | **30** |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### PALMYRA (A)—JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 | 9 | 1 | 0 | 28 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 19 | 10 | 1 | 0 | 31 |
| 0300 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 5 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 9 | 5 | 0 | 26 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 10 | 5 | 1 | 31 |
| 0600 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 5 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 11 | 1 | 0 | 26 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 14 | 2 | 0 | 31 |
| 0900 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 4 | 1 | 0 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 | 3 | 0 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 16 | 10 | 4 | 0 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 5 | 2 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 5 | 3 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 10 | 5 | 0 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 4 | 0 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 13 | 9 | 0 | 31 |
| 1800 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 6 | 2 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 2 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 13 | 4 | 0 | 31 |
| 2100 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 | 4 | 2 | 0 | 27 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 21 | 6 | 2 | 0 | 31 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DEIR EZZOR (A)—JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 2 | 0 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 3 | 0 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 21 | 5 | 0 | 30 |
| 0300 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 17 | 1 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 22 | 4 | 30 |
| 0600 | 2 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 3 | 2 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 5 | 0 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 17 | 8 | 2 | 29 |
| 0900 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 4 | 3 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 11 | 1 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 6 | 15 | 4 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 7 | 4 | 10 | 1 | 0 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 7 | 6 | 12 | 4 | 0 | 31 |
| 1500 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 10 | 6 | 2 | 0 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 12 | 9 | 2 | 0 | 30 |
| 1800 | 7 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 10 | 4 | 1 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 16 | 4 | 1 | 0 | 24 |
| 2100 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 1 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 1 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 22 | 2 | 0 | 31 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## RAQQA — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 4 | 11 | 5 | 0 | 0 | 0 | 0 | 29 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 4 | 12 | 5 | 0 | 0 | 0 | 0 | 31 |
| 0300 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 12 | 2 | 1 | 0 | 0 | 0 | 28 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 9 | 12 | 2 | 1 | 0 | 0 | 0 | 31 |
| 0600 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 9 | 6 | 2 | 0 | 0 | 0 | 30 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 9 | 7 | 2 | 0 | 0 | 0 | 31 |
| 0900 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 4 | 8 | 7 | 4 | 0 | 0 | 0 | 30 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 4 | 8 | 7 | 5 | 0 | 0 | 0 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10 | 6 | 4 | 3 | 0 | 0 | 0 | 29 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 12 | 6 | 4 | 3 | 0 | 0 | 0 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 9 | 5 | 2 | 0 | 0 | 0 | 29 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 9 | 7 | 2 | 0 | 0 | 0 | 31 |
| 1800 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 4 | 7 | 7 | 2 | 0 | 0 | 0 | 27 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 9 | 7 | 2 | 0 | 0 | 0 | 31 |
| 2100 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 11 | 4 | 2 | 0 | 0 | 0 | 30 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 | 11 | 4 | 2 | 0 | 0 | 0 | 31 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## QAMISHLIE (A) — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 7 | 0 | 0 | 1-10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 6 | 4 | 4 | 1 | 22 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **1** | **0** | **6** | **5** | **4** | **1** | **24** |
| 0300 | 4 | 0 | 0 | 1-10 | 4 | 1 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 1 | 2 | 22 |
| | | | | 11-27 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **2** | **0** | **4** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **8** | **2** | **1** | **2** | **27** |
| 0600 | 5 | 0 | 0 | 1-10 | 1 | 0 | 1 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 0 | 0 | 19 |
| | | | | 11-27 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **3** | **1** | **2** | **5** | **3** | **0** | **0** | **0** | **0** | **0** | **1** | **7** | **2** | **0** | **0** | **26** |
| 0900 | 5 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 3 | 3 | 1 | 0 | 4 | 5 | 0 | 0 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **0** | **1** | **2** | **1** | **0** | **5** | **3** | **1** | **0** | **5** | **7** | **0** | **0** | **0** | **26** |
| 1200 | 1 | 0 | 0 | 1-10 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 2 | 4 | 0 | 0 | 4 | 3 | 3 | 1 | 0 | 22 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **3** | **1** | **1** | **1** | **1** | **0** | **3** | **4** | **0** | **0** | **5** | **6** | **4** | **1** | **0** | **30** |
| 1500 | 3 | 0 | 0 | 1-10 | 2 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 3 | 2 | 2 | 2 | 3 | 4 | 1 | 2 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **0** | **2** | **0** | **1** | **0** | **0** | **3** | **3** | **2** | **3** | **5** | **4** | **1** | **2** | **28** |
| 1800 | 9 | 0 | 0 | 1-10 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 11 | 0 | 2 | 1 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **1** | **1** | **12** | **0** | **2** | **1** | **22** |
| 2100 | 4 | 0 | 0 | 1-10 | 4 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 | 7 | 1 | 2 | 23 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **0** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **7** | **8** | **1** | **2** | **27** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## SALLUM — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 10 | 0 | 0 | 1–10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 6 | 17 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 8 | 21 |
| 0300 | 9 | 0 | 0 | 1–10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 6 | 17 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 10 | 22 |
| 0600 | 6 | 0 | 0 | 1–10 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 14 |
| | | | | 11–27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 10 | 25 |
| 0900 | 1 | 0 | 0 | 1–10 | 5 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 1 | 3 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 1 | 8 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 5 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11–27 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 19 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 10 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17 |
| | | | | 11–27 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 31 |
| 1800 | 5 | 0 | 0 | 1–10 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 |
| | | | | 11–27 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 26 |
| 2100 | 13 | 0 | 0 | 1–10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 14 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 18 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MERSA MATRUH (A) — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 3 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 12 | 7 | 1 | 0 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **7** | **12** | **7** | **2** | **0** | **28** |
| 0300 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 17 | 5 | 0 | 0 | 28 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **6** | **18** | **5** | **1** | **0** | **30** |
| 0600 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 5 | 0 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **20** | **9** | **0** | **31** |
| 0900 | 0 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 7 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 1 | 24 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **26** | **4** | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 13 | 30 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **18** | **13** | **31** |
| 1500 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 16 | 10 | 27 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **18** | **12** | **31** |
| 1800 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 9 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **5** | **17** | **9** | **31** |
| 2100 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15 | 7 | 3 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **15** | **8** | **3** | **30** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEXANDRIA (A) — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 7 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 11 | 7 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **4** | **11** | **7** | **24** |
| 0300 | 5 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 8 | 7 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **3** | **4** | **8** | **8** | **26** |
| 0600 | 0 | 0 | 0 | 1-10 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 14 | 1 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 1 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **2** | **0** | **0** | **0** | **0** | **1** | **3** | **6** | **17** | **2** | **31** |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 2 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 8 | 4 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **8** | **16** | **6** | **31** |
| 1200 | 0 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 11 | 4 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **8** | **14** | **6** | **31** |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 3 | 14 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **16** | **10** | **31** |
| 1800 | 0 | 0 | 0 | 1-10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 13 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **9** | **17** | **31** |
| 2100 | 2 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 15 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **7** | **16** | **29** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DEKHEILA (A) — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 3 | 0 | 0 | 1–10 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 14 | 23 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **4** | **16** | **28** |
| 0300 | 1 | 0 | 0 | 1–10 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 2 | 6 | 7 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **1** | **0** | **1** | **0** | **0** | **0** | **1** | **2** | **2** | **8** | **12** | **30** |
| 0600 | 0 | 0 | 0 | 1–10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 11 | 6 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **14** | **10** | **31** |
| 0900 | 0 | 0 | 0 | 1–10 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 14 | 5 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **16** | **9** | **31** |
| 1200 | 0 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 11 | 28 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **16** | **12** | **31** |
| 1500 | 0 | 0 | 0 | 1–10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 9 |
| | | | | 11–27 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 22 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **23** | **31** |
| 1800 | 0 | 0 | 0 | 1–10 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 23 |
| | | | | 11–27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **20** | **31** |
| 2100 | 0 | 0 | 0 | 1–10 | 8 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 22 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **1** | **0** | **0** | **2** | **0** | **0** | **0** | **0** | **0** | **6** | **13** | **31** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## PORT SAID (A) — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 14 | 4 | 5 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **1** | **0** | **1** | **1** | **0** | **0** | **0** | **1** | **14** | **6** | **5** | **31** |
| 0300 | 2 | 0 | 0 | 1–10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 13 | 4 | 1 | 26 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **5** | **14** | **5** | **1** | **29** |
| 0600 | 0 | 0 | 0 | 1–10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 14 | 3 | 1 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **6** | **16** | **3** | **1** | **31** |
| 0900 | 0 | 0 | 0 | 1–10 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 2 | 7 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **12** | **3** | **8** | **31** |
| 1200 | 0 | 0 | 0 | 1–10 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 18 |
| | | | | 11–27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 13 |
| | | | | 27–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **22** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **8** | **31** |
| 1500 | 0 | 0 | 0 | 1–10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 11–27 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 23 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **28** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **31** |
| 1800 | 0 | 0 | 0 | 1–10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 10 |
| | | | | 11–27 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **9** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **16** | **31** |
| 2100 | 0 | 0 | 0 | 1–10 | 5 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 9 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **2** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **5** | **9** | **9** | **31** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## EL ARISH — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 16 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 1 | 9 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 1 | 9 | 0 | 0 | 0 | 15 |
| 0300 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 3 | 5 | 0 | 0 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 3 | 5 | 0 | 0 | 0 | 22 |
| 0600 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 15 | 5 | 2 | 0 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 16 | 5 | 2 | 0 | 29 |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 14 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 14 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 20 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 23 | 31 |
| 1800 | 5 | 0 | 0 | 1-10 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 26 |
| 2100 | 20 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 11 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ABU SUEIR (A) — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 354 | |
| 0000 | 17 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 1 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 1 | 14 |
| 0300 | 14 | 0 | 0 | 1–10 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 3 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 3 | 0 | 17 |
| 0600 | 6 | 0 | 0 | 1–10 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 2 | 6 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 2 | 6 | 25 |
| 0900 | 6 | 0 | 0 | 1–10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 10 | 1 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 13 | 1 | 25 |
| 1200 | 3 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 5 | 18 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 2 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 7 | 28 |
| 1500 | 0 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 8 |
| | | | | 11–27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 8 | 23 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 11 | 31 |
| 1800 | 0 | 0 | 0 | 1–10 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 14 |
| | | | | 11–27 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 8 | 31 |
| 2100 | 4 | 0 | 0 | 1–10 | 9 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 26 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 27 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## CAIRO (A) —JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 16 | 0 | 0 | 1–10 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 15 |
| 0300 | 15 | 0 | 0 | 1–10 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 16 |
| 0600 | 4 | 0 | 0 | 1–10 | 5 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 7 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 7 | 27 |
| 0900 | 0 | 0 | 0 | 1–10 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 11 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 11 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 13 | 5 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 14 | 6 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 11 | 28 |
| | | | | 11–28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 13 | 31 |
| 1800 | 0 | 0 | 0 | 1–10 | 7 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 10 | 28 |
| | | | | 11–27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 10 | 31 |
| 2100 | 7 | 0 | 0 | 1–10 | 6 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 1 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 1 | 24 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALMAZA (A) — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 0 | 0 | 0 | 1–10 | 4 | 4 | 10 | 8 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 10 | 8 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 31 |
| 0300 | 2 | 0 | 0 | 1–10 | 5 | 10 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 3 | 3 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 10 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 3 | 3 | 29 |
| 0600 | 0 | 0 | 0 | 1–10 | 4 | 9 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 9 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 31 |
| 0900 | 0 | 0 | 0 | 1–10 | 3 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 28 |
| | | | | 11–27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 11 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 5 | 4 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 24 |
| | | | | 11–27 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 5 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 7 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 |
| | | | | 11–27 | 7 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 31 |
| 1800 | 0 | 0 | 0 | 1–10 | 4 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| | | | | 11–27 | 2 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 16 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 2100 | 0 | 0 | 0 | 1–10 | 4 | 12 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 28 |
| | | | | 11–27 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 12 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 31 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ABBASIYA (H.Q.) — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 14 | 0 | 0 | 1–10 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 |
| 0300 | 22 | 0 | 0 | 1–10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 0600 | 4 | 0 | 0 | 1–10 | 10 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| 0900 | 0 | 0 | 0 | 1–10 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 6 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 6 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 7 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 18 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 18 | 31 |
| 1800 | 0 | 0 | 0 | 1–10 | 14 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 31 |
| 2100 | 5 | 0 | 0 | 1–10 | 15 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 26 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 26 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MOSTAFA HELMI (A) — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 7 | 0 | 0 | 1–10 | 2 | 4 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **4** | **6** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **7** | **24** |
| 0300 | 7 | 0 | 0 | 1–10 | 1 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 7 | 23 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **3** | **2** | **2** | **0** | **0** | **0** | **0** | **0** | **2** | **6** | **7** | **24** |
| 0600 | 1 | 0 | 0 | 1–10 | 4 | 6 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 9 | 25 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | All speeds | **4** | **7** | **1** | **0** | **0** | **1** | **0** | **0** | **0** | **1** | **4** | **12** | **30** |
| 0900 | 1 | 0 | 0 | 1–10 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 21 |
| | | | | 11–27 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **5** | **9** | **30** |
| 1200 | 0 | 0 | 0 | 1–10 | 3 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 12 |
| | | | | 11–27 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 19 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **8** | **4** | **1** | **0** | | **0** | **0** | **0** | **0** | **0** | **6** | **11** | **31** |
| 1500 | 0 | 0 | 0 | 1–10 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 |
| | | | | 11–27 | 7 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 25 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **8** | **9** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **11** | **31** |
| 1800 | 0 | 0 | 0 | 1–10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 9 | 19 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **19** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **31** |
| 2100 | 0 | 0 | 0 | 1–10 | 6 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 19 |
| | | | | 11–27 | 3 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **15** | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **2** | **31** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## GIZA — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 4 | 0 | 0 | 1–10 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **27** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **27** |
| 0300 | 14 | 0 | 0 | 1–10 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **17** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **17** |
| 0600 | 1 | 0 | 0 | 1–10 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **30** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **30** |
| 0900 | 0 | 0 | 0 | 1–10 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **22** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **8** | **31** |
| 1200 | 0 | 0 | 0 | 1–10 | 6 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 7 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **10** | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **1** | **7** | **31** |
| 1500 | 0 | 0 | 0 | 1–10 | 9 | 12 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **12** | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **0** | **2** | **31** |
| 1800 | 0 | 0 | 0 | 1–10 | 9 | 13 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **13** | **9** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **31** |
| 2100 | 1 | 0 | 0 | 1–10 | 18 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **18** | **2** | **10** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **30** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MINYA (A) — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 4 | 0 | 0 | 1–10 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 27 |
| 0300 | 7 | 0 | 0 | 1–10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 23 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 24 |
| 0600 | 3 | 0 | 0 | 1–10 | 21 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 26 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 23 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 28 |
| 0900 | 0 | 0 | 0 | 1–10 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 10 | 28 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 11 | 31 |
| 1200 | 2 | 0 | 0 | 1–10 | 11 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 16 |
| | | | | 11–27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 19 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 29 |
| 1500 | 1 | 0 | 0 | 1–10 | 11 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 19 |
| | | | | 11–27 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 21 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 30 |
| 1800 | 12 | 0 | 0 | 1–10 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 19 |
| 2100 | 6 | 0 | 0 | 1–10 | 12 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 20 |
| | | | | 11–27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 17 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 25 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ASYOUT (A)—JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 8 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 11 | 5 | 0 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **0** | **5** | **11** | **5** | **0** | **23** |
| 0300 | 6 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 16 | 1 | 0 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **8** | **0** | **0** | **16** | **1** | **0** | **25** |
| 0600 | 6 | 0 | 0 | 1–10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 4 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **15** | **4** | **25** |
| 0900 | 8 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 9 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **10** | **9** | **23** |
| 1200 | 1 | 0 | 0 | 1–10 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 18 | 26 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **1** | **21** | **30** |
| 1500 | 1 | 0 | 0 | 1–10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **10** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **19** | **30** |
| 1800 | 9 | 0 | 0 | 1–10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 6 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **7** | **6** | **22** |
| 2100 | 10 | 0 | 0 | 1–10 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 8 | 9 | 0 | 1 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **3** | **0** | **0** | **0** | **0** | **8** | **9** | **0** | **1** | **21** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## LUXOR (A) — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 28 | 0 | 0 | 1–10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **1** | **3** |
| 0300 | 25 | 0 | 0 | 1–10 | 0 | 0 | 0 | 1 | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **1** | **2** | **0** | **2** | **0** | **1** | **0** | **0** | **0** | **6** |
| 0600 | 28 | 0 | 0 | 1–10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **3** |
| 0900 | 3 | 0 | 0 | 1–10 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 20 | 28 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **2** | **0** | **0** | **0** | **1** | **0** | **0** | **1** | **1** | **1** | **20** | **28** |
| 1200 | 3 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 3 | 5 | 15 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **3** | **4** | **5** | **15** | **28** |
| 1500 | 4 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 4 | 16 | 26 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **5** | **4** | **17** | **27** |
| 1800 | 11 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 12 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **7** | **12** | **20** |
| 2100 | 17 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 2 | 0 | 0 | 3 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **0** | **0** | **0** | **2** | **4** | **1** | **2** | **0** | **0** | **3** | **14** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ASWAN — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 17 | 0 | 0 | 1–10 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **10** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **14** |
| 0300 | 25 | 0 | 0 | 1–10 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **6** |
| 0600 | 9 | 0 | 0 | 1–10 | 16 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **16** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **22** |
| 0900 | 6 | 0 | 0 | 1–10 | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **13** | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **5** | **25** |
| 1200 | 3 | 0 | 0 | 1–10 | 9 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 5 | 7 | 28 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **2** | **0** | **1** | **0** | **0** | **0** | **1** | **0** | **3** | **5** | **7** | **28** |
| 1500 | 3 | 0 | 0 | 1–10 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 4 | 3 | 28 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **4** | **0** | **0** | **0** | **0** | **0** | **1** | **2** | **5** | **4** | **3** | **28** |
| 1800 | 8 | 0 | 0 | 1–10 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 1 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **7** | **1** | **23** |
| 2100 | 6 | 0 | 0 | 1–10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 10 | 24 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **10** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **2** | **2** | **10** | **25** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## SIWA — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 7 | 0 | 0 | 1–10 | 1 | 4 | 6 | 9 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **5** | **6** | **9** | **2** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **24** |
| 0300 | 16 | 0 | 0 | 1–10 | 6 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **4** | **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **15** |
| 0600 | 7 | 0 | 0 | 1–10 | 5 | 9 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 23 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 9 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 |
| 0900 | 1 | 0 | 0 | 1–10 | 8 | 6 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 29 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **6** | **4** | **0** | **3** | **0** | **0** | **0** | **0** | **1** | **3** | **4** | **30** |
| 1200 | 1 | 0 | 0 | 1–10 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9 | 22 |
| | | | | 11–27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 1 | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **5** | **13** | **30** |
| 1500 | 1 | 0 | 0 | 1–10 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 16 |
| | | | | 11–27 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **15** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **3** | **8** | **30** |
| 1800 | 4 | 0 | 0 | 1–10 | 12 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 9 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **12** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **3** | **9** | **27** |
| 2100 | 4 | 0 | 0 | 1–10 | 1 | 5 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 18 |
| | | | | 11–27 | 0 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **11** | **9** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **27** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## BAHARIYA — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 10 | 0 | 0 | 1–10 | 7 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **11** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **21** |
| 0300 | 29 | 0 | 0 | 1–10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **2** |
| 0600 | 21 | 0 | 0 | 1–10 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **10** |
| 0900 | 4 | 0 | 0 | 1–10 | 8 | 6 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 24 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **6** | **0** | **1** | **2** | **0** | **0** | **0** | **1** | **2** | **0** | **6** | **27** |
| 1200 | 2 | 0 | 0 | 1–10 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 7 | 19 |
| | | | | 11–27 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **2** | **1** | **0** | **0** | **0** | **1** | **0** | **4** | **0** | **0** | **12** | **29** |
| 1500 | 0 | 0 | 0 | 1–10 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 22 |
| | | | | 11–27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **12** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **12** | **31** |
| 1800 | 8 | 0 | 0 | 1–10 | 9 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 19 |
| | | | | 11–27 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **7** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **1** | **23** |
| 2100 | 2 | 0 | 0 | 1–10 | 13 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 28 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **13** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **12** | **29** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DAKHLA — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 3 | 0 | 0 | 1–10 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 13 | 6 | 0 | 27 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **1** | **0** | **0** | **0** | **0** | **1** | **0** | **3** | **13** | **6** | **0** | 28 |
| 0300 | 5 | 0 | 0 | 1–10 | 1 | 0 | 0 | 3 | 0 | 1 | 7 | 1 | 2 | 5 | 2 | 2 | 24 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **0** | **3** | **0** | **1** | **7** | **1** | **2** | **5** | **3** | **2** | 26 |
| 0600 | 1 | 0 | 0 | 1–10 | 0 | 0 | 5 | 6 | 0 | 0 | 0 | 5 | 1 | 10 | 0 | 2 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **5** | **6** | **0** | **0** | **0** | **5** | **1** | **10** | **0** | **3** | 30 |
| 0900 | 0 | 0 | 0 | 1–10 | 4 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 10 | 22 |
| | | | | 11–27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **1** | **0** | **2** | **2** | **0** | **0** | **0** | **0** | **3** | **1** | **15** | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 6 | 0 | 0 | 6 | 16 |
| | | | | 11–27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 7 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **0** | **0** | **0** | **0** | **0** | **2** | **1** | **6** | **0** | **2** | **13** | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 10 | 17 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 8 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | **1** | **0** | **0** | **0** | **0** | **0** | **2** | **0** | **2** | **3** | **18** | 31 |
| 1800 | 2 | 0 | 0 | 1–10 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 28 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 19 | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **7** | 29 |
| 2100 | 5 | 0 | 0 | 1–10 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 4 | 7 | 23 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **2** | **2** | **4** | **9** | 26 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## HURGHADA — JULY 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 2 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 4 | 30 |
| 0300 | 0 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 6 | 20 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 10 | 31 |
| 0600 | 0 | 0 | 0 | 1–10 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 11–27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 24 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 31 |
| 0900 | 0 | 0 | 0 | 1–10 | 0 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11–27 | 15 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 18 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 1 | 6 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11–27 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 11 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 7 | 3 | 7 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 22 |
| | | | | 11–27 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 3 | 7 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 31 |
| 1800 | 5 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 2 | 6 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 7 | 12 | 26 |
| 2100 | 3 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 10 | 1 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 14 | 3 | 28 |

## TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A)— 1200 U.T. — JULY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 28 | 959mb | 964mb | 954mb | 28 | 31.7 | 34.9 | 27.7 | 28 | 13·7 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 28 | 1449 | 1494 | 1405 | 28 | 22.3 | 26.3 | 16.8 | 28 | 8.2 |
| 700 ... ... ... ... | 28 | 3105 | 3143 | 3052 | 28 | 13.1 | 18.0 | 5.2 | 27 | — 6.3 |
| 600 ... ... ... ... | 28 | 4380 | 4418 | 4303 | 28 | 5.7 | 10.8 | 1.0 | 26 | —17.0 |
| 500 ... ... ... ... | 28 | 5842 | 5890 | 5760 | 28 | — 2.8 | 3.5 | — 7.1 | 26 | —25.9 |
| 400 ... ... ... ... | 28 | 7579 | 7640 | 7490 | 28 | —11.9 | — 6.5 | —20.7 | 25 | —35.4 |
| 300 ... ... ... ... | 28 | 9715 | 9790 | 9600 | 28 | —25.5 | —20.7 | —34.2 | 22 | —47.1 |
| 200 ... ... ... ... | 27 | 12540 | 12630 | 12380 | 27 | —44.7 | —41.7 | —48.1 | — | — |
| 150 ... ... ... ... | 27 | 14410 | 14530 | 14250 | 27 | —56.9 | —51.2 | —60.3 | — | — |
| 100 ... ... ... ... | 24 | 16890 | 17030 | 16750 | 24 | —69.9 | —65.1 | —75.1 | — | — |
| 60 ... ... ... ... | 13 | 19900 | 20030 | 19740 | 13 | —68.0 | —58.3 | —78.9 | — | — |
| 40 ... ... ... ... | 8 | 22420 | 22520 | 22330 | 8 | —58.9 | —51.1 | —64.9 | — | — |
| 30 ... ... ... ... | 3 | 24220 | 24290 | 24180 | 3 | —58.3 | —54.9 | —61.1 | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Nnmber of observations of specified pressure surfaces.

## TABLE B 1. UPPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 0000 U.T. — JULY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 28 | 1001mb | 1008mb | 1000mb | 28 | 21.3 | 24.2 | 19.5 | 28 | 18.7 |
| 1000 ... ... ... ... | 28 | 75 | 111 | 42 | 27 | 21.9 | 24.1 | 19.2 | 26 | 19.1 |
| 850 ... ... ... ... | 28 | 1478 | 1515 | 1450 | 28 | 16.0 | 20.5 | 9.8 | 24 | 4.1 |
| 700 ... ... ... ... | 28 | 3102 | 3148 | 3075 | 28 | 7.8 | 12.5 | 3.3 | 9 | — 2.3 |
| 600 ... ... ... ... | 28 | 4361 | 4420 | 4314 | 28 | 2.2 | 6.5 | — 3.5 | 7 | — 8.8 |
| 500 ... ... ... ... | 28 | 5813 | 5883 | 5752 | 28 | — 5.5 | — 1.7 | —11.1 | 2 | —17.0 |
| 400 ... ... ... ... | 27 | 7538 | 7613 | 7423 | 27 | —1[illegible].2 | — 9.9 | —23.9 | 1 | —24.3 |
| 300 ... ... ... ... | 21 | 9673 | 9726 | 9506 | 21 | —28.1 | —25.4 | —32.0 | — | — |
| 200 ... ... ... ... | 13 | 12472 | 12511 | 12412 | 13 | —47.8 | —44.4 | —50.0 | — | — |
| 150 ... ... ... ... | 3 | 14318 | 14329 | 14294 | 3 | —62.3 | —61.7 | —63.0 | — | — |
| 100 ... ... ... ... | 2 | 16716 | 16725 | 16707 | 2 | —76.0 | —74.0 | —78.0 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 1200 U.T. — JULY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1004mb | 1009mb | 1001mb | 29 | 26.6 | 29.5 | 25.7 | 29 | 21.1 |
| 1000 ... ... ... ... | 29 | 79 | 121 | 51 | 29 | 26.5 | 29.0 | 25.0 | 28 | 20.5 |
| 850 ... ... ... ... | 29 | 1493 | 1528 | 1467 | 29 | 18.2 | 23.5 | 12.7 | 26 | 5.0 |
| 700 ... ... ... ... | 29 | 3129 | 3166 | 3075 | 29 | 9.2 | 13.3 | 4.4 | 10 | — 7.8 |
| 600 ... ... ... ... | 29 | 4391 | 4440 | 4315 | 29 | 3.8 | 8.7 | — 2.7 | — | — |
| 500 ... ... ... ... | 29 | 5848 | 5912 | 5736 | 29 | — 4.2 | 0.8 | —10.1 | — | — |
| 400 ... ... ... ... | 28 | 7576 | 7636 | 7464 | 28 | —13.5 | — 7.3 | —23.4 | — | — |
| 300 ... ... ... ... | 27 | 9717 | 9824 | 9604 | 27 | —26.2 | —24.1 | —30.0 | — | — |
| 200 ... ... ... ... | 16 | 12534 | 12718 | 12407 | 16 | —42.5 | —39.3 | —56.8 | — | — |
| 150 ... ... ... ... | 2 | 14388 | 14460 | 14317 | 2 | —61.9 | —61.3 | —62.6 | — | — |
| 100 ... ... ... ... | 2 | 16817 | 16886 | 16748 | 2 | —74.8 | —73.9 | —75.7 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 0000 U.T. — JULY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 30 | 1002mb | 1006mb | 999mb | 30 | 23.6 | 27.6 | 21.0 | 29 | 18.4 |
| 1000 ... ... ... ... | 29 | 90 | 122 | 70 | 29 | 23.4 | 27.6 | 20.9 | 27 | 18.1 |
| 850 ... ... ... ... | 30 | 1490 | 1513 | 1471 | 30 | 16.6 | 22.6 | 12.6 | 27 | 4.8 |
| 700 ... ... ... ... | 30 | 3118 | 3139 | 3084 | 30 | 9.2 | 12.3 | 6.3 | — | — |
| 600 ... ... ... ... | 30 | 4380 | 4406 | 4335 | 30 | 3.6 | 5.9 | 1.7 | — | — |
| 500 ... ... ... ... | 30 | 5842 | 5890 | 5784 | 30 | — 4.9 | 2.0 | — 7.0 | — | — |
| 400 ... ... ... ... | 30 | 7577 | 7640 | 7502 | 30 | —14.2 | — 9.1 | —17.3 | — | — |
| 300 ... ... ... ... | 27 | 9714 | 9802 | 9610 | 27 | —27.3 | —24.9 | —31.0 | — | — |
| 200 ... ... ... ... | 21 | 12516 | 12627 | 12374 | 21 | —47.9 | —42.0 | —51.8 | — | — |
| 150 ... ... ... ... | 12 | 14352 | 14455 | 14302 | 12 | —61.4 | —58.9 | —63.9 | — | — |
| 100 ... ... ... ... | 5 | 16795 | 16826 | 16748 | 5 | —73.6 | —72.3 | —76.4 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 1200 U.T. — JULY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 30 | 1001mb | 1006mb | 998mb | 30 | 33.3 | 37.6 | 29.4 | 29 | 15.8 |
| 1000 ... ... ... ... | 28 | 84 | 124 | 70 | 28 | 31.9 | 37.6 | 29.0 | 27 | 15.5 |
| 850 ... ... ... ... | 30 | 1510 | 1542 | 1483 | 30 | 18.2 | 23.1 | 13.5 | 28 | 7.1 |
| 700 ... ... ... ... | 30 | 3144 | 3165 | 3113 | 30 | 9.9 | 13.0 | 7.2 | — | — |
| 600 ... ... ... ... | 30 | 4409 | 4435 | 4373 | 30 | 4.5 | 7.0 | 1.3 | — | — |
| 500 ... ... ... ... | 30 | 5873 | 5908 | 5834 | 30 | — 2.6 | 0.6 | — 6.0 | — | — |
| 400 ... ... ... ... | 30 | 7615 | 7654 | 7563 | 30 | —11.7 | — 8.0 | —16.1 | — | — |
| 300 ... ... ... ... | 27 | 9760 | 9917 | 9681 | 27 | —26.1 | —24.3 | —30.6 | — | — |
| 200 ... ... ... ... | 17 | 12554 | 12646 | 12235 | 17 | —46.7 | —45.0 | —48.8 | — | — |
| 150 ... ... ... ... | 7 | 14449 | 14660 | 14318 | 7 | —61.2 | —60.5 | —64.0 | — | — |
| 100 ... ... ... ... | 5 | 16856 | 16930 | 16777 | 5 | —73.6 | —71.5 | —78.9 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

### ASWAN — 0000 U.T. — JULY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 993mb | 997mb | 991mb | 29 | 28.8 | 31.5 | 24.5 | 29 | 9.0 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 29 | 1473 | 1504 | 1449 | 29 | 21.6 | 25.6 | 17.8 | 28 | 3.3 |
| 700 ... ... ... ... | 29 | 3125 | 3150 | 3086 | 29 | 8.7 | 13.2 | 4.7 | 20 | — 3.3 |
| 600 ... ... ... ... | 29 | 4378 | 4413 | 4339 | 29 | 3.3 | 6.4 | — 1.5 | — | — |
| 500 ... ... ... ... | 29 | 5843 | 5899 | 5796 | 29 | — 3.1 | 2.1 | — 9.0 | — | — |
| 400 ... ... ... ... | 29 | 7570 | 7640 | 7499 | 29 | —14.5 | —10.6 | —17·0 | — | — |
| 300 ... ... ... ... | 28 | 9686 | 9763 | 9600 | 28 | —29.4 | —26.7 | —32.0 | — | — |
| 200 ... ... ... ... | 26 | 12460 | 12557 | 12348 | 26 | —51.5 | —49.1 | —54.7 | — | — |
| 150 ... ... ... ... | 18 | 14277 | 14379 | 14179 | 18 | —65.2 | —63.4 | —67.4 | — | — |
| 100 ... ... ... ... | 6 | 16656 | 16770 | 16578 | 6 | —78.4 | —66.4 | —83.7 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

### ASWAN — 1200 U.T. — JULY 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 993mb | 997mb | 989mb | 29 | 40.0 | 43.2 | 36.7 | 29 | 8.4 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 29 | 1502 | 1527 | 1473 | 29 | 24.8 | 29.6 | 21.2 | 28 | 1.2 |
| 700 ... ... ... ... | 29 | 3160 | 3213 | 3123 | 29 | 10.9 | 15.2 | 7.7 | 18 | —4.4 |
| 600 ... ... ... ... | 29 | 4428 | 4494 | 4384 | 29 | 5.2 | 8.2 | 1.3 | — | — |
| 500 ... ... ... ... | 29 | 5899 | 5970 | 5853 | 29 | — 1.3 | 2.0 | — 4·6 | — | — |
| 400 ... ... ... ... | 29 | 7644 | 7720 | 7598 | 29 | —12.3 | — 8.7 | —15.0 | — | — |
| 300 ... ... ... ... | 28 | 9776 | 9880 | 9717 | 28 | —27.7 | —25.1 | —30.6 | — | — |
| 200 ... ... ... ... | 27 | 12560 | 12678 | 12470 | 27 | —49.6 | —48.1 | —51.0 | — | — |
| 150 ... ... ... ... | 23 | 14387 | 14500 | 14288 | 23 | —63.8 | —62.9 | —65.4 | — | — |
| 100 ... ... ... ... | 20 | 16766 | 16903 | 16671 | 20 | —79.6 | —78.6 | —82.4 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE : THE HIGHEST WIND SPEED IN THE UPPER AIR

0000 U.T. — JULY 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mersa Matruh (A) ... ... ... ... ... ... | 4739 (28) | 561 (28) | —4.8 (5) | 5400 | 530 | — | 3980 | 626 | — | — | — | — | — | — | — | — | — | — | 8850 | — | 240 | 86 |
| Cairo (A) ... ... ... ... ... ... | 5231 (30) | 545 (30) | — | 6270 | 475 | — | 4610 | 578 | — | 13560 (2) | 171 (2) | —56.8 (2) | 14300 | 152 | —61.5 | 12820 | 191 | —52.2 | 8500 | 351 | 230 | 56 |
| Aswan ... ... ... ... ... ... ... ... ... ... | 5045 (29) | 555 (29) | — | 5620 | 513 | — | 4100 | 622 | — | 14900 (2) | 138 (2) | —68.1 (2) | 16200 | 109 | —77.0 | 13600 | 167 | —59.2 | 16700 | 100 | 040 | 61 |

N = Total number of observations.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE THE HIGHEST WIND SPEED IN THE UPPER AIR

### 1200 U.T. — JULY 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... | 5368 (28) | 531 (28) | —24.5 (25) | 6535 | — | — | 4530 | — | — | 17310 (15) | 094 (15) | —71.6 (15) | 19061 | — | — | 15735 | — | — | 8350 | 365 | 220 | 128 |
| Mersa Matruh (A) ... ... ... ... ... ... | 4940 (29) | 570 (29) | — | 6000 | 492 | — | 3870 | 634 | — | — | — | — | — | — | — | — | — | — | 5650 | 508 | 260 | 92 |
| Cairo (A) ... ... ... ... ... ... | 5342 (30) | 535 (30) | — | 6100 | 486 | — | 4800 | 563 | — | 16710 (2) | 107 (2) | —56.5 (2) | 18470 | 77 | —48.0 | 14950 | 137 | —65.0 | 9100 | 336 | 250 | 61 |
| Aswan ... ... ... ... ... ... ... ... ... ... | 5587 (29) | 519 (29) | — | 6180 | 482 | — | 4600 | 588 | —15.4 | 16566 (9) | 109 (9) | —77.6 (9) | 17200 | 92 | —83.6 | 14550 | 144 | —67.3 | 15800 | 118 | 150 | 66 |

N = Total number of observations.

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

**ALEPPO (A) — 1200 U.T. — JULY 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 42 | 12 | 23 | 15 | 22 | 0 | — | 0 | — | 0 | 28 | 23 |
| 1000 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... | 1 | 7 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 22 | 6 | 16 | 15 | 19 | 3 | 16 | 1 | 11 | 0 | 27 | 17 |
| 700 ... ... | 2 | 5 | 2 | 11 | 1 | 12 | 0 | — | 1 | 11 | 0 | — | 1 | 5 | 3 | 12 | 4 | 10 | 3 | 10 | 5 | 14 | 4 | 13 | 0 | 26 | 11 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 2 | 8 | 0 | — | 1 | 9 | 4 | 13 | 6 | 16 | 4 | 13 | 3 | 14 | 2 | 14 | 4 | 12 | 0 | 26 | 13 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 1 | 18 | 0 | — | 1 | 24 | 1 | 21 | 9 | 23 | 9 | 24 | 3 | 16 | 0 | — | 2 | 15 | 0 | 26 | 22 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 29 | 0 | — | 9 | 31 | 11 | 50 | 5 | 29 | 0 | — | 0 | — | 0 | 26 | 39 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 12 | 1 | 32 | 7 | 44 | 10 | 43 | 6 | 43 | 0 | — | 0 | — | 0 | 25 | 42 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 8 | 0 | — | 3 | 26 | 3 | 45 | 9 | 49 | 4 | 39 | 0 | — | 0 | — | 0 | 20 | 41 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 1 | 9 | 0 | — | 0 | — | 2 | 42 | 3 | 36 | 4 | 54 | 1 | 46 | 0 | — | 0 | — | 0 | 11 | 42 |
| 100 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 20 | 1 | 24 | 5 | 41 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 7 | 36 |
| 60 ... ... | 0 | — | 0 | — | 0 | — | 1 | 26 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 1 | 26 |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

**MERSA MATRUH (A) — 0000 U.T. — JULY 1959**

| Pressure surface (millibars) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 6 | 16 | 7 | 6 | 5 | 2 | 11 | — | — | 3 | 28 | 6 |
| 1000 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 5 | 5 | 8 | 9 | 7 | 5 | 10 | 5 | 12 | 1 | 26 | 8 |
| 850 ... ... | 3 | 16 | 1 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 3 | 1 | 13 | 6 | 11 | 5 | 16 | 9 | 12 | 0 | 26 | 13 |
| 700 ... ... | 2 | 16 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 19 | 7 | 15 | 10 | 17 | 5 | 10 | 0 | 26 | 15 |
| 600 ... ... | 1 | 15 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 15 | 1 | 34 | 12 | 24 | 7 | 14 | 4 | 15 | 0 | 26 | 20 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 5 | 0 | — | 0 | — | 1 | 17 | 7 | 27 | 9 | 20 | 5 | 15 | 2 | 18 | 0 | 25 | 20 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 26 | 11 | 28 | 9 | 23 | 3 | 21 | 1 | 10 | 0 | 26 | 24 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 3 | 2 | 23 | 7 | 29 | 7 | 28 | 1 | 10 | 0 | — | 0 | 18 | 25 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 32 | 3 | 27 | 3 | 18 | 2 | 38 | 1 | 25 | 0 | — | 0 | 10 | 27 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 21 | 1 | 26 | 0 | — | 0 | — | 0 | 2 | 24 |
| 100 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 11 | 1 | 22 | 0 | — | 0 | — | 0 | — | 0 | 2 | 16 |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## MERSA MATRUH (A)—1200 U.T.—JULY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 16 | 18 | 13 | 14 | 0 | 29 | 15 |
| 1000 ... | 1 | 9 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 17 | 11 | 15 | 16 | 14 | 0 | 29 | 15 |
| 850 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 19 | 8 | 19 | 14 | 12 | 6 | 12 | 0 | 29 | 14 |
| 700 ... | 1 | 12 | 0 | — | 1 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 9 | 1 | 14 | 9 | 17 | 8 | 18 | 8 | 11 | 0 | 29 | 15 |
| 600 ... | 3 | 16 | 1 | 9 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 14 | 10 | 18 | 5 | 13 | 3 | 19 | 0 | 29 | 16 |
| 500 ... | 1 | 16 | 1 | 9 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 24 | 10 | 22 | 8 | 31 | 5 | 13 | 2 | 12 | 0 | 29 | 21 |
| 400 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 18 | 8 | 28 | 12 | 24 | 3 | 17 | 2 | 12 | 0 | 27 | 23 |
| 300 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 20 | 13 | 28 | 6 | 42 | 2 | 12 | 0 | — | 0 | 26 | 28 |
| 200 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 23 | 1 | 17 | 9 | 23 | 3 | 16 | 0 | — | 0 | — | 0 | 14 | 21 |
| 150 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 22 | 0 | — | 0 | — | 1 | 41 | 0 | — | 0 | — | 0 | 2 | 32 |
| 100 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 5 | 1 | 30 | 0 | — | 0 | — | 0 | — | 0 | 2 | 18 |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### CAIRO (A) — 0000 U.T.— JULY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 1 | 9 | 3 | 4 | 3 | 3 | 2 | 4 | 0 | — | 1 | 3 | 0 | — | 0 | — | 0 | — | 3 | 2 | 2 | 2 | 0 | — | 15 | 30 | 2 |
| 1000 ... | 7 | 4 | 4 | 4 | 5 | 4 | 3 | 5 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 2 | 2 | 4 | 2 | 7 | 3 | 29 | 4 |
| 850 ... | 3 | 16 | 1 | 17 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 17 | 14 | 15 | 8 | 14 | 0 | 30 | 16 |
| 700 ... | 3 | 7 | 1 | 10 | 1 | 24 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 12 | 9 | 15 | 9 | 13 | 3 | 11 | 0 | 30 | 13 |
| 600 ... | 0 | — | 2 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 17 | 6 | 14 | 11 | 1[illegible] | 5 | 11 | 5 | 9 | 0 | 30 | 13 |
| 500 ... | 2 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 18 | 10 | 20 | 9 | 16 | 2 | 16 | 4 | 11 | 0 | 30 | 16 |
| 400 ... | 1 | 5 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 19 | 12 | 27 | 7 | 19 | 2 | 15 | 2 | 16 | 0 | 30 | 21 |
| 300 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 13 | 2 | 12 | 7 | 17 | 12 | 30 | 1 | 9 | 2 | 12 | 1 | 26 | 0 | 26 | 22 |
| 200 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 19 | 5 | 22 | 1 | 26 | 0 | — | 0 | — | 0 | — | 0 | 10 | 22 |
| 150 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 28 | 1 | 23 | 0 | — | 0 | — | 1 | — | 0 | — | 0 | 3 | 27 |
| 100 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## CAIRO (A)—1200 U.T.—JULY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 7 | 7 | 2 | 7 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 8 | 11 | 8 | 7 | 7 | 0 | 30 | 8 |
| 1000 ... | 5 | 8 | 2 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 8 | 11 | 8 | 7 | 7 | 0 | 28 | 8 |
| 850 ... | 4 | 8 | 2 | 5 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 8 | 3 | 13 | 4 | 13 | 9 | 12 | 6 | 8 | 0 | 29 | 10 |
| 700 ... | 2 | 10 | 2 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 11 | 6 | 15 | 16 | 15 | 3 | 7 | 0 | — | 0 | 30 | 13 |
| 600 ... | 2 | 8 | 2 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 8 | 8 | 17 | 13 | 12 | 3 | 19 | 0 | — | 0 | 30 | 14 |
| 500 ... | 1 | 10 | 0 | — | 1 | 2 | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 14 | 13 | 22 | 9 | 20 | 1 | 8 | 1 | 3 | 0 | 30 | 18 |
| 400 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 13 | 5 | 26 | 14 | 24 | 6 | 23 | 3 | 15 | 0 | — | 0 | 30 | 22 |
| 300 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 7 | 6 | 20 | 10 | 23 | 4 | 23 | 2 | 12 | 0 | — | 0 | 23 | 21 |
| 200 ... | 0 | — | 0 | — | 0 | — | 1 | 13 | 0 | — | 1 | 27 | 2 | 10 | 2 | 38 | 3 | 34 | 0 | — | 0 | — | 0 | — | 0 | 9 | 27 |
| 150 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 22 | 2 | 38 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 3 | 33 |
| 100 ... | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 21 | 0 | — | 1 | 43 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 2 | 32 |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### ASWAN—0000 U.T. — JULY 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | )ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (if) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 8 | 7 | 1 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 4 | 0 | — | 3 | 7 | 16 | 29 | 3 |
| 1000... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850... ... | 7 | 10 | 6 | 13 | 1 | 5 | 2 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 10 | 3 | 9 | 4 | 9 | 5 | 11 | 0 | 29 | 10 |
| 700... ... | 4 | 4 | 0 | — | 1 | 4 | 0 | — | 0 | — | 0 | — | 3 | 11 | 3 | 16 | 7 | 12 | 3 | 8 | 4 | 4 | 3 | 6 | 1 | 29 | 8 |
| 600... ... | 2 | 9 | 2 | 8 | 0 | — | 0 | — | 0 | — | 1 | 1 | 0 | — | 4 | 6 | 6 | 10 | 6 | 6 | 3 | 8 | 5 | 5 | 0 | 29 | 7 |
| 500... ... | 4 | 9 | 3 | 7 | 1 | 7 | 2 | 8 | 2 | 2 | 0 | — | 1 | 3 | 0 | — | 1 | 5 | 8 | 6 | 4 | 10 | 3 | 4 | 0 | 29 | 7 |
| 400... ... | 6 | 6 | 7 | 9 | 2 | 4 | 4 | 10 | 3 | 6 | 2 | 18 | 0 | — | 1 | 5 | 0 | — | 1 | 7 | 0 | — | 3 | 3 | 0 | 29 | 8 |
| 300... ... | 1 | 1 | 2 | 10 | 2 | 6 | 6 | 13 | 8 | 14 | 1 | 9 | 3 | 8 | 2 | 12 | 0 | — | 0 | — | 1 | 1 | 0 | — | 2 | 28 | 10 |
| 200... ... | 1 | 16 | 1 | 23 | 1 | 7 | 5 | 27 | 8 | 20 | 2 | 20 | 1 | 17 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 22 | 18 |
| 150... ... | 0 | — | 1 | 26 | 1 | 8 | 3 | 36 | 5 | 32 | 1 | 25 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 11 | 30 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

**ASWAN — 1200 U.T. — JULY 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 9 | 5 | 6 | 6 | 0 | — | 2 | 6 | 0 | — | 0 | — | 0 | — | 1 | 6 | 0 | — | 4 | 6 | 2 | 6 | 4 | 5 | 1 | 29 | 6 |
| 1000... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850... ... | 2 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 6 | 0 | — | 10 | 9 | 13 | 11 | 2 | 14 | 0 | 29 | 10 |
| 700... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 9 | 2 | 7 | 2 | 10 | 10 | 12 | 8 | 10 | 4 | 8 | 2 | 8 | 0 | 29 | 10 |
| 600... ... | 2 | 8 | 0 | — | 3 | 4 | 0 | — | 0 | — | 0 | — | 4 | 4 | 1 | 8 | 5 | 7 | 8 | 9 | 5 | 9 | 1 | 5 | 0 | 29 | 7 |
| 500... ... | 2 | 8 | 2 | 8 | 4 | 7 | 1 | 3 | 1 | 6 | 0 | — | 1 | 4 | 2 | 6 | 5 | 9 | 3 | 8 | 4 | 6 | 4 | 4 | 0 | 29 | 6 |
| 400... ... | 2 | 8 | 3 | 18 | 2 | 8 | 10 | 9 | 1 | 5 | 1 | 5 | 2 | 6 | 0 | — | 2 | 4 | 3 | 5 | 2 | 6 | 1 | 5 | 0 | 29 | 8 |
| 300... ... | 0 | — | 1 | 24 | 7 | 8 | 9 | 15 | 4 | 15 | 2 | 18 | 2 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 3 | 2 | 28 | 12 |
| 200... ... | 0 | — | 3 | 23 | 4 | 21 | 10 | 24 | 4 | 25 | 1 | 15 | 1 | 29 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 24 | 22 |
| 150... ... | 0 | — | 0 | — | 0 | — | 8 | 32 | 10 | 33 | 2 | 20 | 0 | — | 0 | — | 1 | 41 | 0 | — | 0 | — | 0 | — | 0 | 21 | 32 |
| 100... ... | 0 | — | 0 | — | 0 | — | 2 | 46 | 8 | 46 | 1 | 51 | 0 | — | 1 | 39 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 12 | 45 |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

### JULY 1959

This month was almost mild; the mean air temperature at 2 metres above ground and the mean relative humidity were slightly below normal (—0.4°C and—3% respectively). The absolute minimum relative humidity and the absolute minimum vapour pressure were higher than the corresponding values of last July (+5% and + 3.2 mms. respectively).

The extreme soil maximum and minimum temperatures at depths below 20 cms. in the dry and wet fields were slightly below the corresponding values of July 1958. At depths above 20 cms in different fields, the extreme maximum and minimum temperatures showed slight deviations (more or less) from the corresponding values of last July.

For the month as a whole, the mean wind speed for the day at 2 metres above ground showed no change from the mean value of July 1958. The total duration of bright sunshine was 1.4 hours less than the corresponding value of last July.

## TABLE C 1.—AIR TEMPERATURES AT 2 METRES ABOVE GROUND ; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms· ABOVE GROUND ON DIFFERENT FIELDS

### GIZA — JULY 1959

| Date | Air temperature (°C) | | | | | Duration in hours of air temperature above the following values | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Mean of the day | Night time mean | Day time mean | —5 °C | 0 °C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C |
| 1 | 33.6 | 19.4 | 26.1 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 22 | 14 | 7 | 0 | 0 | 0 |
| 2 | 33.6 | 20.4 | 26.0 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 7 | 0 | 0 | 0 |
| 3 | 33.1 | 20.5 | 26.0 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 6 | 0 | 0 | 0 |
| 4 | 32.5 | 17.4 | 24.7 | 23 | 27 | 24 | 24 | 24 | 24 | 24 | 21 | 12 | 4 | 0 | 0 | 0 |
| 5 | 31.6 | 18.2 | 24.8 | 23 | 27 | 24 | 24 | 24 | 24 | 24 | 21 | 13 | 2 | 0 | 0 | 0 |
| 6 | 31.8 | 19.1 | 24.7 | 24 | 27 | 24 | 24 | 24 | 24 | 24 | 22 | 12 | 3 | 0 | 0 | 0 |
| 7 | 31.8 | 18.2 | 24.5 | 23 | 27 | 24 | 24 | 24 | 24 | 24 | 21 | 12 | 3 | 0 | 0 | 0 |
| 8 | 33.7 | 19.5 | 25.7 | 23 | 28 | 24 | 24 | 24 | 24 | 24 | 23 | 13 | 6 | 0 | 0 | 0 |
| 9 | 34.5 | 21.6 | 26.3 | 24 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 7 | 0 | 0 | 0 |
| 10 | 34.3 | 18.6 | 25.8 | 24 | 29 | 24 | 24 | 24 | 24 | 24 | 23 | 13 | 7 | 0 | 0 | 0 |
| 11 | 34.2 | 18.3 | 25.4 | 22 | 28 | 24 | 24 | 24 | 24 | 24 | 20 | 13 | 7 | 0 | 0 | 0 |
| 12 | 33.5 | 18.4 | 25.3 | 23 | 28 | 24 | 24 | 24 | 24 | 24 | 23 | 13 | 7 | 0 | 0 | 0 |
| 13 | 33.4 | 18.6 | 25.4 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 22 | 13 | 6 | 0 | 0 | 0 |
| 14 | 33.3 | 19.5 | 25.7 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 23 | 15 | 6 | 0 | 0 | 0 |
| 15 | 32.2 | 19.9 | 25.8 | 25 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 6 | 0 | 0 | 0 |
| 16 | 31.9 | 19.5 | 25.6 | 25 | 27 | 24 | 24 | 24 | 24 | 24 | 23 | 14 | 5 | 0 | 0 | 0 |
| 17 | 33.7 | 19.9 | 26.9 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 9 | 0 | 0 | 0 |
| 18 | 36.2 | 21.2 | 29.0 | 26 | 32 | 24 | 24 | 24 | 24 | 24 | 24 | 17 | 14 | 3 | 0 | 0 |
| 19 | 37.0 | 20.9 | 29.0 | 28 | 31 | 24 | 24 | 24 | 24 | 24 | 24 | 18 | 12 | 4 | 0 | 0 |
| 20 | 36.8 | 21.2 | 28.2 | 26 | 31 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 10 | 1 | 0 | 0 |
| 21 | 35.5 | 20.1 | 27.4 | 25 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 10 | 0 | 0 | 0 |
| 22 | 36.9 | 19.8 | 28.1 | 25 | 31 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 10 | 5 | 0 | 0 |
| 23 | 34.9 | 22.6 | 27.4 | 25 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 8 | 0 | 0 | 0 |
| 24 | 34.7 | 21.4 | 27.0 | 25 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 9 | 0 | 0 | 0 |
| 25 | 34.5 | 21.6 | 27.4 | 25 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 8 | 0 | 0 | 0 |
| 26 | 36.0 | 23.2 | 28.0 | 26 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 9 | 0 | 0 | 0 |
| 27 | 35.2 | 21.4 | 27.3 | 25 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 9 | 0 | 0 | 0 |
| 28 | 35.3 | 19.5 | 27.2 | 25 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 9 | 0 | 0 | 0 |
| 29 | 35.9 | 19.4 | 27.4 | 25 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 10 | 1 | 0 | 0 |
| 30 | 34.7 | 20.2 | 27.0 | 25 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 9 | 0 | 0 | 0 |
| 31 | 34.5 | 19.6 | 26.5 | 25 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 14 | 7 | 0 | 0 | 0 |
| TOTAL | — | — | — | — | — | 744 | 744 | 744 | 744 | 744 | 720 | 447 | 232 | 14 | 0 | 0 |
| Mean | 34.2 | 20.0 | 26.5 | 24.5 | 28.8 | 24 | 24 | 24 | 24 | 24 | 23.2 | 14.4 | 7.5 | 0.4 | 0 | 0 |

Highest maximum at 2 metres 37.0 °C on 19th. Highest minimum at 2 metres 23.2°C on 26th

Lowest ,, ,, ,, 31.6 °C on 5th. Lowest ,, ,, ,, 17.4°C on 4th

Absolute minimum temperature at 5 cms. above dry soil 14.8 °C on 4 th. & 11th.

,, ,, ,, ,, ,, wet soil 14.5 °C on 4 th.

,, ,, ,, ,, ,, grass 12.2 °C on 11 th.

## TABLE C 2.—WIND SPEED, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, (SOLAR + SKY) RADIATION, SUNSHINE DURATION, EVAPORATION AND RAINFALL

### GIZA — JULY 1959

| Date | wind speed metres per second | | | Solar + sky radiation gm. cal./cm² | Duration of bright sunshine in hours | | | Relative humidity hours of duration | | Relative humidity % | | Vapour pressure in millimetres | | Evaporation in millimetres | | Amount of rainfall in millimetres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean of the day | Night time mean | Day time mean | | Total actual | Total possible | Percentage % | >90% | 80% | Mean of the day | at 1200 U.T. | Mean of the day | at 1200 U.T. | Piche | Pan class (A) | |
| 1 | 2.8 | 2.3 | 3.6 | 616 | 12.5 | 14.1 | 89 | 3 | 8 | 60 | 34 | 14.4 | 12.4 | 16.1 | 11.71 | 0 |
| 2 | 3.0 | 2.7 | 3.5 | 621 | 11.3 | 14.1 | 80 | 2 | 7 | 61 | 40 | 14.7 | 14.2 | 15.8 | 11.63 | 0 |
| 3 | 2.9 | 2.0 | 4.1 | 624 | 12.0 | 14.1 | 85 | 0 | 5 | 58 | 40 | 14.2 | 14.4 | 15.8 | 12.07 | 0 |
| 4 | 2.3 | 1.7 | 3.2 | 629 | 12.6 | 14.0 | 90 | 0 | 4 | 54 | 33 | 12.2 | 11.0 | 14.8 | 10.98 | 0 |
| 5 | 2.4 | 2.0 | 3.0 | 630 | 12.0 | 14.0 | 86 | 0 | 3 | 58 | 31 | 12.7 | 9.9 | 15.2 | 10.94 | 0 |
| 6 | 2.7 | 2.2 | 3.4 | 580 | 11.4 | 14.0 | 81 | 0 | 4 | 63 | 41 | 14.1 | 13.1 | 14.0 | 9.99 | 0 |
| 7 | 2.7 | 2.2 | 3.5 | 625 | 12.2 | 14.0 | 87 | 0 | 6 | 62 | 40 | 14.0 | 12.9 | 14.4 | 11.18 | 0 |
| 8 | 2.4 | 1.8 | 3.3 | 633 | 11.8 | 14.0 | 84 | 0 | 4 | 61 | 37 | 14.4 | 13.1 | 15.5 | 12.25 | 0 |
| 9 | 2.8 | 2.3 | 3.5 | 623 | 12.2 | 14.0 | 87 | 0 | 4 | 63 | 39 | 15.0 | 14.4 | 15.6 | 10.51 | 0 |
| 10 | 2.4 | 1.5 | 3.7 | 632 | 12.3 | 14.0 | 88 | 0 | 6 | 62 | 32 | 14.1 | 12.4 | 15.8 | 11.71 | 0 |
| 11 | 1.7 | 1.0 | 2.7 | 634 | 11.5 | 14.0 | 82 | 0 | 7 | 61 | 35 | 14.1 | 12.3 | 14.9 | 10.82 | 0 |
| 12 | 1.9 | 1.3 | 2.7 | 617 | 11.0 | 14.0 | 79 | 0 | 6 | 64 | 37 | 14.6 | 12.4 | 14.0 | 12.21 | 0 |
| 13 | 2.3 | 1.9 | 2.9 | 635 | 11.9 | 13.9 | 86 | 2 | 5 | 61 | 29 | 13.4 | 10.2 | 14.6 | 10.93 | 0 |
| 14 | 2.4 | 1.9 | 3.2 | 612 | 12.0 | 13.9 | 86 | 0 | 6 | 62 | 34 | 14.2 | 11.7 | 15.1 | 11.41 | 0 |
| 15 | 2.4 | 2.1 | 2.9 | 579 | 12.1 | 13.9 | 87 | 0 | 6 | 62 | 43 | 15.3 | 14.1 | 14.5 | 10.50 | 0 |
| 16 | 2.5 | 2.2 | 2.9 | 583 | 12.5 | 13.9 | 90 | 0 | 5 | 62 | 42 | 15.1 | 13.5 | 12.7 | 9.45 | 0 |
| 17 | 1.9 | 1.5 | 2.5 | 581 | 12.2 | 13.9 | 88 | 0 | 7 | 57 | 37 | 14.8 | 13.4 | 12.8 | 11.42 | 0 |
| 18 | 1.8 | 1.5 | 2.2 | 556 | 12.5 | 13.9 | 90 | 0 | 6 | 49 | 25 | 13.6 | 10.5 | 14.0 | 11.72 | 0 |
| 19 | 2.5 | 1.7 | 3.7 | 584 | 12.4 | 13.9 | 89 | 0 | 4 | 55 | 27 | 15.4 | 11.9 | 15.9 | 13.37 | 0 |
| 20 | 2.7 | 2.6 | 3.0 | 591 | 12.6 | 13.8 | 91 | 0 | 5 | 50 | 29 | 13.4 | 11.9 | 12.7 | 11.03 | 0 |
| 21 | 2.3 | 1.2 | 3.9 | 611 | 12.4 | 13.8 | 90 | 0 | 6 | 56 | 28 | 14.1 | 11.8 | 14.3 | 12.64 | 0 |
| 22 | 2.0 | 1.2 | 3.2 | 591 | 12.1 | 13.8 | 88 | 0 | 5 | 48 | 24 | 12.7 | 10.8 | 13.5 | 12.02 | 0 |
| 23 | 2.2 | 1.6 | 3.0 | 578 | 10.9 | 13.8 | 79 | 0 | 7 | 62 | 39 | 15.8 | 14.8 | 11.1 | 10.65 | 0 |
| 24 | 2.2 | 1.9 | 2.6 | 575 | 11.4 | 13.8 | 83 | 1 | 7 | 61 | 38 | 15.3 | 14.4 | 10.2 | 10.78 | 0 |
| 25 | 2.4 | 1.8 | 3.3 | 596 | 12.3 | 13.7 | 90 | 0 | 8 | 64 | 38 | 16.6 | 14.1 | 11.2 | 10.85 | 0 |
| 26 | 2.5 | 1.9 | 3.4 | 579 | 11.4 | 13.7 | 83 | 0 | 7 | 65 | 40 | 17.1 | 16.2 | 11.3 | 11.41 | 0 |
| 27 | 2.1 | 1.8 | 2.6 | 600 | 12.4 | 13.7 | 91 | 0 | 7 | 59 | 34 | 14.8 | 13.4 | 13.9 | 9.65 | 0 |
| 28 | 2.0 | 1.3 | 3.0 | 592 | 12.0 | 13.7 | 88 | 2 | 8 | 58 | 31 | 14.7 | 12.9 | 15.6 | 11.01 | 0 |
| 29 | 1.9 | 0.9 | 3.4 | 575 | 12.1 | 13.7 | 88 | 0 | 4 | 58 | 29 | 14.7 | 12.0 | 16.0 | 11.43 | 0 |
| 30 | 2.2 | 1.6 | 2.9 | 567 | 12.1 | 13.6 | 89 | 0 | 5 | 60 | 37 | 15.5 | 14.4 | 13.9 | 10.31 | 0 |
| 31 | 2.3 | 1.6 | 3.3 | 578 | 11.7 | 13.6 | 86 | 2 | 6 | 62 | 41 | 16.0 | 15.3 | 13.6 | 11.23 | 0 |
| Total | — | — | — | **18627** | **371.8** | **430.3** | **2680** | **12** | **178** | — | — | — | — | **438.8** | **347.81** | **0** |
| Mean ... | **2.3** | **1.8** | **3.2** | **600.9** | **12.0** | **13.9** | **86** | **0.4** | **5.7** | **59** | **35** | **14.5** | **12.9** | **14.1** | **11.22** | **0** |

Maximum amount of rainfall in one day ..... 0.0mms.
Lowest value of relative humidity ..... 22% on 18th & 22nd.
Highest value of vapour pressure ..... 18.6 mms, on 25th.
Lowest " " " ..... 9.9 mms. on 5th & 20th.

## TABLE C 3.—EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

### GIZA—JULY 1959

| Depth in cms. | Dry soil | | Wet soil | | Grass | |
|---|---|---|---|---|---|---|
| | Highest °C | Lowest °C | Highest °C | Lowest °C | Highest °C | Lowest °C |
| 0.3 | 62.0 | 21.9 | 37.0 | 18.7 | 36.1 | 22.5 |
| 1 | 60.4 | 22.3 | 36.0 | 19.0 | — | — |
| 2 | 54.0 | 23.0 | 35.8 | 19.0 | — | — |
| 5 | 44.6 | 26.0 | 32.7 | 20.3 | 30.4 | 23.0 |
| 10 | 38.5 | 30.3 | 31.2 | 23.3 | 29.0 | 23.6 |
| 20 | 32.6 | 29.2 | 29.1 | 24.8 | 27.9 | 24.9 |
| 50 | 32.9 | 31.2 | 26.5 | 24.7 | 27.7 | 25.8 |
| 100 | 30.8 | 29.0 | 24.7 | 23.2 | 26.0 | 24.3 |
| 200 | 27.5 | 26.1 | 22.4 | 21.2 | — | — |
| 300 | 25.2 | 24.6 | — | — | — | — |

## TABLE C 4.—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES REACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

### GIZA—JULY 1959

10 Knots or more ... 13 Days
15 ,, ,, ,, ... 0 ,,
20 ,, ,, ,, ... 0 ,,
25 ,, ,, ,, ... 0 ,,
30 Knots or more ... 0 Days.
35 ,, ,, ,, ... 0 ,,
40 ,, ,, ,, ... 0 ,,
The highest gust 20 knots on 21st.

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# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 8

## AUGUST, 1959

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CAIRO-EGYPT

UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 8

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CAIRO–EGYPT

# CONTENTS


| | PAGE |
|---|---|
| General Summary of Weather Conditions ... ... ... ... ... ... ... ... | 451-453 |

**Surface Data**

| | |
|---|---|
| TABLE A 1.—Monthly Mean Values of Atmospheric Pressure, Air Temperature and Relative Humidity at Fixed Hours ... ... ... ... ... ... ... ... | 454,455 |
| " A 2.—Maximum and Minimum Air Temperatures (°C)... ... ... ... ... ... | 456,457 |
| " A 3.—Rainfall, Snow, Bright Sunshine, Cloudiness and Evaporation ... ... | 458,459 |
| " A 4.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... | 460 |
| " A 5.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... ... ... ... | 461-463 |
| " A 6.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours... ... ... | 464-494 |

**Upper Air Data**

| | |
|---|---|
| TABLE B 1.—Upper Air Climatological Data ... ... ... ... ... ... .. ... ... | 495-498 |
| " B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air ... ... ... ... ... ... | 499,500 |
| " B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. | 501-507 |

**Agro-Meteorological Data**

| | |
|---|---|
| Review of Agro-Meteorological Station at Giza ... ... ... ... ... | 508 |
| TABLE C 1.—Air Temperature at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5cms. above Ground on Different Fields ... ... ... | 509 |
| " C 2.—Wind Speed, Relative Humidity and Vapour Pressure at 2 Metres above the Ground, (Solar + Sky) Radiation, Sunshine Duration, Evaporation and Rainfall ... ... ... ... ... ... ... ... ... ... | 510 |
| " C 3.—Extreme Soil Temperatures at Different Depths in Different Fields ... | 511 |
| " C 4.—Number of Days of Surface Wind Speed at 10 Metres Reaching Specified Limits of Velocity for at Least 5 Minutes ... ... ... ... ... ... | 511 |


*Note.*—Refer to volume 2 number 1 for the list of stations appearing in the report and for explanatory notes on the tables.

# GENERAL SUMMARY OF WEATHER CONDITIONS

## AUGUST 1959

**Normal summer weather type, rather mild coastal and precoastal districts, excessively hot Upper Egypt & frequently dusty East Syria.**

### THE MAIN FEATURES

- Slight maximum temperature variability (1-2°C) Mediterranean coastal districts, moderate variability (3-6°C) inland districts.
- Slightly subnormal oscillatory pressure field. Minor oscillations in the northern and western arms of the Arabia Monsoon.
- Rather dusty weather El Gezeira district more than half of the month.
- Light rainfall over high ground lands of both Coastal and Western Inland districts of the Northern Region.
- High frequency of occurrence of early morning low stratus or mist patches over the northern part of the Southern Region.

### GENERAL DESCRIPTION OF WEATHER

During this month the prevailing weather was of the normal summer type, though it was rather mild over the Mediterranean coastal districts of the Republic and excessively hot in Upper Egypt. Excessively hot spells were experienced during separate short periods over the precoastal districts mainly round the 2nd, 7th, 14th, 28th and 29th in the Northern Region and round the 2nd, 3rd, 7th and 15th in the Southern Region. Over Upper Egypt in particular two excessive and consecutive heat waves showed a marked persistance of long duration (10 days each).

The monthly district station ground barometric pressure was rather normal and its practical departure did not exceed 1.5 mb. over all districts.

The monthly district relative humidity was slightly below normal in all districts with the exception of Upper Egypt district where it was slightly above normal and its departure did not exceed 6%.

The monthly district maximum temperature was slightly below normal and its departure did not exceed 2.5°C. The monthly district minimum temperature was similarly below normal with the exception of Lower Egypt district where it was slightly above normal and its departure was generally less than 1.5°C.

The monthly district rainfall was rather normal and its departure did not exceed 0.2 mms. in districts of rainfall.

The mean daily relative humidity for the month in the Northern Region was 71% at Jableh, 45% at Aleppo, 39% at Damascus, 60% at Homs, 28% at Deir Ezzor and 23% at Qamishlie. In the Southern Region it was 71% at Mersa Matruh, 70% at both Alexandria and Port Said, 59% at both Tanta and Cairo (A), 58% at both Almaza and Minya, 37% at Asyout, 27% at Luxor, 40% at Siwa and 53% at Suez.

### PRESSURE DISTRIBUTION

This month started with, the Atlantic high pressure system extending from West Europe southeastwards towards Cyrenica, the Siberian anticyclone NE the Caspian Sea, the complex monsoon over the Middle East and a deep northern trough of considerable vertical structure north of the Black Sea.

Between the 1st and the 5th, the deep northern trough was stationary, but deepened slightly round the 3rd allowing for a minor NW extension of the Complex monsoon.

On the 6th the Russia deep northern trough proceeded NE wards while a shallow closed upper low approached Spain at both 700 and 500 mb. levels. As usually occur in such transitory northern planetary waves, the complex monsoon over the Middle East experienced a northward oscillation through the southern vicinities of the Caspian and Black

Seas ; shallow secondaries developed over Europe and West Mediterranean while the ridge of high pressure over the Mediterranean was tilted eastwards through the Balkans, Central and East Mediterranean Regions.

On the 12 th the Atlantic low pressure system and its upward reflection through the 700 and 500 mb. levels approached West Russia. A relatively deep secondary depression of considerable vertical structure developed in its southern parts over Italy and Balkans. Up to the 22nd, this secondary depression was more or less stationary. During this period, the complex monsoon low over the Middle East showed a NW elongation through Asia Minor and the westerly flow prevailed at the 500 mb. over the Mediterranean.

Between the 23rd and 27th, the Atlantic high pressure system proceeded eastwards towards West Russia and SE wards towards Cyrenica while the complex monsoon was confined to the Arabian Gulf, Iraq, Arabia and Sudan.

During the period (28th-31st), shallow secondary depressions developed over scattered parts of the Mediterranean and South Europe regions. Two minor closed reflections appeared aloft at the 700 mb. level over Spain and Asia Minor, while the planetary wave north the Black Sea operated at the 500 mb. level over the latitudinal zone north 30°N.

Is is worth to mention that the barometric pressure over East Mediterranean in general and the United Arab Republic in particular during this month was slightly subnormal, oscillatory and of small variability in general (did not exceed 6 mb. ). On the other hand, the local persistance of Complex Monsoon in the Middle East was the dominating factor in this rather normal summer pressure disttribution.

## SURFACE WIND

### NORTHERN REGION

The prevailing winds during this month were generally SWly over the Coastal district, Wly over the Western Inland and Desert districts, and between the SWly and the NWly over El Gezeira and the North Eastern districts. Winds were almost light/moderate with the exception of the central and northern parts of the Western Inland district where moderate/fresh winds predominated.

Gales were reported for 19 days at Meselmiyie.

### SOUTHERN REGION

Over the northern parts, light/moderate N/NW winds prevailed most of this month. Fresh winds were reported infrequently and for short periods in scattered localities in both the Mediterranean and Red Sea Coastal areas. Calms were frequent over the southern parts most of the early morning and night intervals.

No gales were reported during this month in the Region.

## TEMPERATURE

The most outstanding feature of temperature in general during this month was its small variability (1-3°C) over the Mediterranean coastal districts of the Republic and its moderate variability (3-6°C) over the inland districts. Meanwhile maximum temperature was slightly below normal over the Syrian coastal area and slightly above normal over the Egyptian coastal area.

Excessive hot days during this month was a characteristic feature of the precoastal and far inland districts of the Republic. They were round the 2nd, 7th, 14th, 28th and 29th in the Northern Region, and round the 2nd, 3rd, 7th and 15th over the precoastal districts in the Southern Region. Upper Egypt in particular suffered from two excessive heat waves of long duration round the periods (1st-9th) and (11th-19th).

The absolute maximum temperature of the Northern Region was 42.5°C at Qamishlie and Tell Alo on the 3rd while the corresponding value of the Southern Region was 46.2°C at Aswan on the 8th.

Minimum temperature oscillated most of the month slightly round its normal (1-3°C) over the coastal and the precoastal districts of the Republic. Over the far inland districts, it was changeable with moderate variability (3-6°C) round normal.

The absolute minimum temperature for the Northern Region was 3.0°C at Madaia (mountain station in El Gezeira district) on the 30th, and the corresponding value for the Southern Region aws 16.0°C at Minya on the 29th.

## PRECIPITATION

Precipitation this month was confined to the highlands of both the Coastal and the Western Inland districts of the Northern Region. Two rainy periods were reported on the 1st and between the 17th and 20th.

The maximum monthly rainfall was 5.9 mms. at Messiaf, while the maximum rainfall in 24 hours was 5.2 mms. at Kassab (north of the Coastal district) on the 19th.

## MISCELLANEOUS WEATHER PHENOMENA

### NORTHERN REGION

*Mist patches* developed at Damascus on the 2nd, 7th, 14th & 15th.

*Sand or duststorms* blew over Deir Ezzor on the 5th & 6th and over Raqqa on the 4th, 5th, 7th & 9th.

*Local rising sand or dust* was reported at Hama on the 15th & 21st; Palmyra on the 1st, 4th, 5th, (10th-13th), 21st, 25th, 30th & 31st; Deir Ezzor on the (1st-3rd), (6th-9th), (15th-17th), 20th, 21st & 30th; and at Raqqa on the 2nd, 3rd, 6th, 8th, 10th, 11th, (15th-20th), 26th & 31st.

### SOUTHERN REGION

*Fog patches* developed at Mersa Matruh on the 2nd; Abu Sueir on the 24 th & 25th; Cairo on the 3rd, 10th, 14th & 30th; Almaza on the 14th; and at Mostafa Helmi on the 2nd, 15th, 16th & 27th.

*Mist patches* developed at Port Said on the 2nd & 15th; Abu Sueir on the (1st-4th), 7th, 9th, 10th, 12th, 14th, 25th & 31st; Cairo on the (1st-3rd), 7th, 9th, (10th - 14th), 16th, 18th, 19th, (21st-23rd) & (25th - 30th); Almaza on the 2nd, 10th, 14th, 15th, 25th, 26th, 27th & 30th; Abbasiya (H.Q.) on the 14th, 15th, 18th & 25th; and at Mostafa Helmi on the 1st, 2nd, 3rd, 10th, 12th, 15th, 17th, 18th, 23rd, 25th, 26th & 27th.

*Local rising sand or dust* was reported at Sidi barrani; Mersa Matruh & Hurghada on the 7th; and at Mostafa Helmi on the 15th.

*Cairo: March 1961*

**M. F. Taha**
*Director General*
*Meteorological Department*

## TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

### AUGUST 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh ... (A) ... | 12 | 1004.5 | — | 1004.9 | — | 1004.9 | — | 1004.7 | — | 23.6 | —0.9 | 27.0 | —0.3 | 28.6 | —2.4 | 26.5 | —0.9 | 74 | —4 | 67 | — 4 | 68 | 0 | 74 | — 3 |
| | Bouka ... ... ... | 50 | — | — | — | — | — | — | — | — | 23.4 | — | 27.6 | — | 29.6 | — | 25.3 | — | 78 | — | 70 | — | 64 | — | 79 | — |
| | Tartous ... ... ... | 15 | — | — | — | — | — | — | — | — | 23.5 | — | 27.0 | — | 29.1 | — | 25.4 | — | 82 | — | 69 | — | 63 | — | 76 | — |
| WESTERN INLAND | Damascus (A) ... | 724 | 925.9 | +0.1 | 926.6 | 0.0 | 925.5 | +0.2 | 925.1 | +0.2 | 20.2 | —1.4 | 23.0 | —2.3 | 33 2 | —2.1 | 26.6 | —2.9 | 52 | +1 | 54 | + 4 | 19 | — 3 | 32 | — 1 |
| | Aleppo ... (A) ... | 391 | 959.6 | —0.1 | 960.2 | —0.1 | 958.7 | —0.3 | 959.4 | +0.2 | 22.3 | —1.1 | 26.8 | —0.5 | 34.0 | —2.3 | 26.4 | —2.5 | 61 | +3 | 48 | — 2 | 24 | — 2 | 47 | + 4 |
| | Hama ... ... (A) ... | 313 | 968.8 | — | 968.9 | — | 967.8 | — | 968.5 | — | 22.0 | — | 27.6 | — | 34.3 | — | 26.3 | — | 58 | — | 43 | — | 24 | — | 43 | — |
| | Homs ... ... ... ... | 487 | — | — | — | — | — | — | — | — | 20.3 | —1.0 | 25.3 | 0.0 | 30.5 | —1.8 | 22.6 | —1.7 | 76 | +7 | 54 | — 6 | 39 | — 2 | 71 | + 5 |
| | Kharabo ... ... ... | 620 | — | — | — | — | — | — | — | — | 14.7 | — | 23.4 | — | 34.8 | — | 24.7 | — | 89 | — | 59 | — | 23 | — | 51 | — |
| | Salamiyie ... ... ... | 500 | — | — | — | — | — | — | — | — | 19.4 | — | 26.8 | — | 33·5 | — | 24.1 | — | 74 | — | 49 | — | 30 | — | 59 | — |
| | Meselmiyie ... ... ... | 425 | — | — | — | — | — | — | — | — | 22.2 | — | 27.5 | — | 33.8 | — | 25.7 | — | 62 | — | 47 | — | 24 | — | 57 | — |
| | Fiq ... ... ... ... | 337 | 968.7 | — | 969.3 | — | 967.8 | — | 968.5 | — | 21.8 | — | 23.3 | — | 31.0 | — | 24.7 | — | 80 | — | 74 | — | 37 | — | 64 | — |
| | Tell Shihab ... ... | 250 | — | — | — | — | — | — | — | — | 19.7 | — | 24.1 | — | 32.0 | — | 24.2 | — | 83 | — | 68 | — | 36 | — | 60 | — |
| DESERT | Palmyra ... (A) ... | 404 | 960.1 | — | 960.8 | — | 959.4 | — | 959.8 | — | 22.2 | — | 23.9 | —1·6 | 35·7 | —2.1 | 29.8 | —1·6 | 65 | — | 56 | — 5 | 18 | 0 | 28 | + 5 |
| EL GEZIRA | Deir Ezzor (A) ... | 204 | 980.0 | — | 980.6 | — | 979.6 | — | 979.5 | — | 26.2 | —1.5 | 29.2 | —1.0 | 38.1 | —1.6 | 31.4 | —2.0 | 39 | +4 | 35 | — 1 | 15 | — 2 | 22 | 0 |
| | Raqqa ... ... ... | 251 | 973.5 | — | 974.4 | — | 972.2 | — | 972.8 | — | 22.7 | — | 26.6 | — | 37.2 | — | 29.5 | — | 54 | — | 44 | — | 15 | — | 28 | — |
| NORTH EASTERN | Qamishlie (A) ... | 466 | 950.2 | —1.1 | 951.1 | —1.6 | 949.8 | —1.4 | 950.0 | —1.0 | 25.5 | —1.3 | 29.8 | —1.7 | 38.5 | —1.3 | 31.0 | —1.1 | 30 | —1 | 29 | 0 | 14 | — 4 | 19 | — 6 |
| | Tell Tamer... ... ... | 335 | — | — | — | — | — | — | — | — | 22.5 | — | 28.1 | — | 37.4 | — | 30.1 | — | 51 | — | 40 | — | 14 | — | 29 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum... ... ... ... | 04 | 1009.7 | — | 1010.2 | +0.1 | 1010.0 | +0.2 | 1009.9 | —0.2 | 23.4 | — | 25.4 | —1.4 | 29.5 | —0.3 | 26.1 | —0.5 | 81 | — | 72 | + 6 | 59 | + 3 | 71 | + 3 |
| | Sidi Barrani ... ... | 21 | 1006.8 | —0.3 | 1007.2 | —1.1 | 1007.4 | —0.3 | 1007.0 | —0.5 | 24.1 | +0.3 | 25.8 | —0.2 | 28.4 | 0.0 | 25.6 | —0.1 | 74 | —8 | 70 | — 5 | 65 | — 2 | 72 | — 6 |
| | Mersa Matruh (A) ... | 31 | 1005.9 | —0.1 | 1006.2 | 0.0 | 1006.3 | +0.1 | 1006.3 | +0.1 | 22.8 | 0.0 | 25.9 | —0.3 | 28.7 | +0.2 | 25.5 | —0.2 | 78 | —4 | 70 | — 2 | 60 | — 4 | 75 | — 1 |
| | Dabaa ... ... ... | 17 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Alexandria (A) ... | —3 | 1009.1 | +0.3 | 1009.6 | +0.3 | 1009.6 | +0.4 | 1009.5 | +0.3 | 24.0 | +0.2 | 27.2 | +0.1 | 30.1 | +0.6 | 26.1 | +0.5 | 78 | —6 | 69 | — 2 | 59 | — 3 | 72 | — 6 |
| | Dekheila (A) ... | 01 | 1009.1 | — | 1009.5 | —0.5 | 1009·6 | —0.5 | 1009.5 | — | 23.9 | — | 26.4 | —0.3 | 29.3 | +1.8 | 25.7 | — | 78 | — | 69 | —10 | 60 | —19 | 74 | — |
| | Damietta ... ... ... | 03 | 1008·6 | — | 1009.1 | +0.5 | 1008.8 | +0.7 | 1009·0 | +0.8 | 23.0 | — | 26.3 | —1.2 | 29.6 | +0.2 | 26.1 | +0.2 | 81 | — | 77 | + 3 | 57 | — 7 | 77 | — 5 |
| | Port Said (A) ... | 01 | 1007.9 | +0.1 | 1008.4 | —0·1 | 1008.2 | +0.2 | 1008.2 | +0.1 | 25.6 | —0.3 | 26.8 | —0.4 | 29.1 | —0.5 | 26.7 | —0.4 | 75 | —2 | 72 | 0 | 61 | — 3 | 72 | — 4 |
| | El Arish ... ... ... | 10 | 1006.1 | +0·2 | 1006.7 | —0.9 | 1006.2 | —0.7 | 1006.5 | —0.7 | 23.1 | —0.8 | 27.1 | —1.4 | 30.1 | +0.7 | 26.3 | —0.5 | 90 | +5 | 74 | + 6 | 69 | + 1 | 82 | + 5 |
| | Ghazza ... ... ... | 10 | 1006.3 | — | 1006.9 | — | 1006.4 | — | 1006.6 | — | 23.0 | — | 26.8 | — | 28.1 | — | 26.5 | — | 87 | — | 72 | 0 | 73 | — | 79 | — |

TABLE A 1.—*(continued)*—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

AUGUST 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Southern Region** *(contd).* | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOWER EGYPT | Damanhour ... ... | 06 | 1008.7 | — | 1008.6 | —0.3 | 1008.6 | +0.3 | 1008.6 | —0.1 | 21.3 | — | 25.5 | —1.5 | 31.7 | —0.1 | 25.0 | —0.4 | 92 | — | 82 | — 8 | 50 | 0 | 82 | + 4 |
| | Mansoura ... ... ... | 08 | 1007.6 | — | 1008.0 | —0.6 | 1007.4 | —0.1 | 1007.7 | —0.5 | 22.9 | — | 25.1 | —1.1 | 33.3 | —0.7 | 26.7 | +0.3 | 80 | — | 78 | + 3 | 40 | + 1 | 68 | — 2 |
| | Tanta ... ... ... ... | 14 | 1006.8 | — | 1007.2 | —1.2 | 1006.5 | —0.9 | 1007.0 | —0.9 | 21.0 | — | 26.0 | 0.0 | 33.8 | +0.1 | 25.5 | —0.4 | 87 | — | 73 | — 5 | 36 | — 6 | 67 | — 5 |
| | Shebin el Kom ... | 12 | 1006.8 | — | 1007.9 | —0.1 | 1006.6 | —0.3 | 1007.0 | —0.5 | 21.9 | — | 24.7 | —1.2 | 32.7 | —1.2 | 26.5 | —0.6 | 87 | — | 80 | + 7 | 36 | — 2 | 72 | + 9 |
| | Zagazig ... ... ... | 12 | 1007.6 | — | 1008.0 | —0.2 | 1007.0 | —0.2 | 1007.5 | —0.3 | 22.3 | — | 24.3 | —2.4 | 32.7 | —1.0 | 27.2 | +0.3 | 87 | — | 83 | + 6 | 42 | — 4 | 65 | — 5 |
| | Zaher (A) ... | 30 | 1003.8 | — | 1004.4 | — | 1003.3 | — | 1003.8 | — | 23.2 | — | 25.0 | — | 33.0 | — | 27.9 | — | 76 | — | 73 | — | 33 | — | 53 | — |
| | Wadi el Natrun ... | — 1 | 1009.6 | — | 1010.0 | +0.5 | 1008.6 | +1.3 | 1009.5 | +1.0 | 22.8 | — | 25.6 | —0.4 | 34.7 | —0.5 | 28.1 | —0.5 | 79 | — | 71 | — 1 | 25 | — 6 | 54 | — 1 |
| | Abu Sueir (A) ... | 14 | 1006.7 | — | 1007.2 | — | 1005.9 | — | 1006.7 | — | 23.3 | — | 25.8 | — | 34.3 | — | 28.2 | — | 83 | — | 76 | — | 33 | — | 58 | — |
| CAIRO AREA | Cairo (A) ... | 95 | 997.6 | —0.4 | 998.1 | —0.6 | 997.1 | —0.4 | 997.5 | —0.5 | 23.3 | —0.4 | 24.8 | —0.2 | 33.4 | 0.0 | 28.6 | —0.7 | 81 | +3 | 76 | + 2 | 31 | — 3 | 49 | — 1 |
| | Almaza (A) ... | 79 | 999.5 | —0.1 | 999.7 | —0.5 | 998.6 | —0.4 | 998.9 | —0.5 | 23.6 | —0.6 | 24.8 | —0.4 | 33.2 | —0.3 | 29.0 | —0.6 | 78 | 0 | 75 | + 1 | 34 | 0 | 47 | — 3 |
| | Abbasiya (H.Q.) ... | 33 | 1004.6 | — | 1005.1 | — | 1004.0 | — | 1004.4 | — | 23.6 | — | 25.8 | — | 33.1 | — | 28.3 | — | 81 | — | 73 | — | 35 | — | 53 | — |
| | Mostafa Helmi (A) ... | 163 | 990.1 | — | 990.5 | — | 989.4 | — | 990.3 | — | 22.4 | — | 24.1 | — | 32.6 | — | 27.9 | — | 82 | — | 76 | — | 29 | — | 52 | — |
| | Giza ... ... ... ... | 21 | 1006.4 | — | 1006.9 | +0.1 | 1005.8 | +0.2 | 1005.8 | —0.2 | 22.8 | — | 24.7 | —0.7 | 32.7 | —1.4 | 28.3 | 0.0 | 87 | — | 77 | + 1 | 33 | — 3 | 50 | — 6 |
| | Helwan ... ... ... | 112 | — | — | 996.2 | —0.4 | 994.8 | 0.0 | 995.1 | —0.4 | — | — | 24.7 | —0.3 | 33.3 | —0.5 | 29.3 | —0.7 | — | — | 71 | + 2 | 26 | — 1 | 41 | + 1 |
| UPPER EGYPT | Fayoum ... ... ... | 30 | 1006.0 | — | 1006.5 | +0.4 | 1004.8 | +0.3 | 1004.6 | +0.1 | 23.3 | — | 26.4 | +0.2 | 34.7 | 0.0 | 30.2 | +0.5 | 77 | — | 67 | — 1 | 25 | — 3 | 39 | — 5 |
| | Beni Suef ... ... ... | 28 | 1004.9 | — | 1005.6 | 0.0 | 1004.7 | +0.6 | 1003.9 | +0.1 | 23.1 | — | 23.1 | —4.2 | 34.8 | —1.7 | 28.6 | —0.8 | 82 | — | 90 | +26 | 33 | + 5 | 51 | + 5 |
| | Minya (A) ... | 39 | 1002.6 | —0.5 | 1003.6 | —0.5 | 1002.7 | —0.3 | 1001.8 | —0.7 | 22.9 | —0.3 | 25.2 | —0.7 | 34.5 | —1.1 | 27.5 | —0.8 | 72 | +7 | 74 | + 7 | 33 | + 6 | 54 | + 7 |
| | Asyout (A) ... | 71 | 998.4 | —0.3 | 1000.0 | —0.5 | 998.4 | —0.3 | 998.0 | —0.5 | 25.2 | —0.9 | 25.8 | —1.0 | 35.0 | —1.2 | 29.6 | —1.3 | 39 | —3 | 53 | 0 | 24 | + 1 | 32 | 0 |
| | Nag Hammadi ... ... | 69 | 998.9 | — | 1000.4 | +0.4 | 999.4 | +1.2 | 998.6 | +0.4 | 23.1 | — | 26.6 | —2.4 | 36.2 | —0.9 | 28.8 | —0.6 | 61 | — | 62 | +12 | 38 | +12 | 55 | +10 |
| | Qena ... ... ... ... | 73 | 997.4 | — | 999.3 | +0.3 | 997.7 | +0.5 | 997.2 | —0.1 | 26.5 | — | 29.6 | —0.8 | 38.9 | —1.2 | 32.5 | —0.7 | 44 | — | 43 | + 4 | 21 | + 2 | 31 | + 2 |
| | Luxor (A) ... | 95 | 994.5 | —0.5 | 995.8 | —0.7 | 994.3 | —0.5 | 994.0 | —0.7 | 27.0 | —0.5 | 31.0 | —1.2 | 38.8 | —1.1 | 32.6 | —1.3 | 34 | +2 | 32 | + 3 | 17 | + 2 | 26 | + 3 |
| | Aswan ... ... ... | 104 | 992.8 | — | 994.3 | —0.5 | 992.2 | —0.5 | 992.0 | —1.0 | 28.8 | — | 32.1 | +0.5 | 40.7 | +0.4 | 34.7 | —1.3 | 30 | — | 27 | — 5 | 15 | — 3 | 20 | — 1 |
| WESTERN DESERT | Siwa ... ... ... ... | —15 | 1011.5 | +0.2 | 1012.7 | —0.1 | 1011.2 | 0 0 | 1010.3 | —0.1 | 25.0 | —0.4 | 24 9 | —0.5 | 35.5 | —0.7 | 32.2 | —0.3 | 53 | +2 | 64 | + 2 | 20 | — 2 | 24 | — 3 |
| | Bahariya ... ... ... | 128 | 994.6 | — | 995.5 | —0.5 | 993.9 | —0.1 | 993.4 | —1.5 | 24.3 | — | 24.5 | —1.5 | 35.8 | +0.6 | 31.3 | +0.8 | 55 | — | 66 | + 3 | 24 | — 6 | 28 | —10 |
| | Farafra ... ... ... | 90 | 999.2 | — | 1000.6 | +0.2 | 999.2 | 0.0 | 998.7 | —0.4 | 25.4 | — | 26.6 | —0.7 | 36.0 | —0.5 | 31.4 | +0.7 | 27 | — | 36 | —12 | 16 | — 9 | 16 | —15 |
| | Dakhla ... ... ... | 110 | 995.8 | — | 996.9 | +1.2 | 995.9 | +1.9 | 995.0 | +0.6 | 25.2 | — | 28.7 | —0.3 | 37.1 | —0.1 | 32.2 | —0.4 | 26 | — | 29 | — 3 | 13 | — 4 | 16 | — 4 |
| | Kharga ... ... ... | 72 | 998.9 | — | 1000.0 | —0.5 | 998.8 | —0.7 | 998.3 | —1.2 | 25.6 | — | 29.4 | —0.3 | 38.2 | —0.1 | 31.8 | —1.4 | 36 | — | 35 | — 6 | 17 | — 8 | 23 | — 6 |
| RED SEA | Suez ... ... ... ... | 05 | 1007.8 | — | 1008.1 | —0.1 | 1006.9 | —0.4 | 1007.0 | —0.1 | 24.2 | — | 26.0 | —0.6 | 34.1 | —0.5 | 29.8 | +0.1 | 74 | — | 74 | + 3 | 33 | — 2 | 53 | — 2 |
| | Tor ... ... ... ... | 03 | 1004.0 | — | 1005.7 | —0.5 | 1004.5 | —0.8 | 1003.8 | —1.0 | 26.8 | — | 27.6 | —1.0 | 30.9 | —1.5 | 30.1 | 0.0 | 66 | — | 68 | — 2 | 54 | — 1 | 48 | — 8 |
| | Hurghada ... ... ... | 01 | 1005.2 | +1.5 | 1006.6 | +0.7 | 1005.1 | +0.6 | 1005.1 | +0.9 | 27.0 | —1.0 | 30.2 | +1.0 | 32.6 | +1.1 | 29.8 | —0.9 | 41 | —8 | 42 | —16 | 42 | —17 | 46 | — 6 |
| | Quseir ... ... ... | 08 | 1003.8 | — | 1005.1 | +0.1 | 1004.1 | —0.9 | 1004.1 | —0.6 | 28.0 | — | 31.1 | —0.4 | 31.7 | —0.7 | 29.3 | —1.0 | 36 | — | 41 | — 6 | 51 | — 7 | 50 | — 6 |

# TABLE A 2.—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

## AUGUST 1959

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A+B)/2 | Maximum temperature: Highest | Date | Lowest | Date | Number of days with maximum temperature: >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Date | Lowest | Date | Number of days with minimum temperature: <10° | <5° | <0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh (A) | 29.1 | — 1.6 | 22.8 | — 0.2 | 26.0 | 30.8 | 24 | 28·0 | * | 31 | 4 | 0 | 0 | 0 | 26.0 | 18 | 20.8 | 24 | 0 | 0 | 0 | 0 |
| | Bouka | 30.1 | — | 22.5 | — | 26.3 | 32.5 | 24 | 28.5 | 22 | 31 | 28 | 0 | 0 | 0 | 25.5 | 18 | 20.0 | 24·25 | 0 | 0 | 0 | 0 |
| | Tartous | 29.8 | — | 22.9 | — | 26.3 | 32.0 | 25 | 29.0 | * | 31 | 5 | 0 | 0 | 0 | 25.0 | * | 20.0 | * | 0 | 0 | 0 | 0 |
| WESTERN INLAND | Damascus (A) | 34.5 | — 2.1 | 16.4 | — 1.2 | 25.5 | 36.6 | 2 | 31.6 | 18 | 31 | 31 | 11 | 0 | 0 | 20.3 | 18 | 13.4 | 30 | 0 | 0 | 0 | 0 |
| | Aleppo (A) | 35.0 | — 2.2 | 20.2 | + 0.2 | 27.6 | 37·5 | 3 | 32.5 | 19 | 31 | 31 | 15 | 0 | 0 | 23.0 | 31 | 16.7 | 25 | 0 | 0 | 0 | 0 |
| | Hama (A) | 35.3 | — | 20.5 | — | 27.9 | 39.0 | 3 | 31.7 | 18 | 31 | 31 | 18 | 0 | 0 | 22.6 | 3 | 17.6 | 24 | 0 | 0 | 0 | 0 |
| | Homs | 31.3 | — 2.1 | 19.3 | — 0.5 | 25.3 | 35.0 | 27 | 29.0 | 5·16 | 31 | 24 | 0 | 0 | 0 | 21.0 | 8·18 | 15.0 | 25 | 0 | 0 | 0 | 0 |
| | Kharabo | 35.4 | — | 12.2 | — | 23.8 | 37.5 | 2·3 | 32.8 | 17·18 | 31 | 31 | 18 | 0 | 0 | 15.2 | 17 | 9.4 | 9 | 2 | 0 | 0 | 0 |
| | Salamiyie | 34.2 | — | 17.6 | — | 25.9 | 37·5 | 3 | 31.5 | 18 | 31 | 31 | 7 | 0 | 0 | 20.5 | 17 | 12.5 | 25 | 0 | 0 | 0 | 0 |
| | Meselmiyie | 34.5 | — | 20.5 | — | 27.5 | 36.7 | 3 | 31.5 | 18 | 31 | 31 | 14 | 0 | 0 | 22·5 | 3 | 16.0 | 25 | 0 | 0 | 0 | 0 |
| | Fiq | 31.7 | — | 20.7 | — | 26.2 | 34.3 | 3 | 29.5 | 22 | 31 | 27 | 0 | 0 | 0 | 21.9 | 17·18 | 18.4 | 31 | 0 | 0 | 0 | 0 |
| | Tell Shihab | 32.6 | — | 18.6 | — | 25.6 | 35.0 | 8·27 | 31.0 | * | 31 | 31 | 0 | 0 | 0 | 21.5 | 11 | 14.0 | 31 | 0 | 0 | 0 | 0 |
| DESERT | Palmyra (A) | 36.5 | — 2.5 | 20.4 | — 1.2 | 28.4 | 39.4 | 29 | 34.2 | 18 | 31 | 31 | 26 | 0 | 0 | 24.0 | 3 | 18.2 | 31 | 0 | 0 | 0 | 0 |
| EL GEZEIRA | Deir Ezzor (A) | 38.8 | — 1.8 | 24.4 | — 0.6 | 31.6 | 41.3 | 3 | 36.4 | 25 | 31 | 31 | 31 | 9 | 0 | 27.8 | 3 | 21.4 | 27 | 0 | 0 | 0 | 0 |
| | Raqqa | 37.9 | — | 20.6 | — | 29.3 | 41.0 | 3 | 35.3 | 18 | 31 | 31 | 31 | 3 | 0 | 23.5 | 3 | 17.5 | 29 | 0 | 0 | 0 | 0 |
| NORTH EASTERN | Qamishlie (A) | 39.2 | — 1.5 | 22.4 | — 1.3 | 30.8 | 42.5 | 3 | 35.4 | 18 | 31 | 31 | 31 | 10 | 0 | 28.0 | 2 | 17.0 | 22 | 0 | 0 | 0 | 0 |
| | Tell Tamer | 38.0 | — | 20.1 | — | 29.0 | 41.0 | 14 | 35.0 | 18·25 | 31 | 31 | 29 | 3 | 0 | 22.5 | * | 17.0 | 27·31 | 0 | 0 | 0 | 0 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum | 30.7 | — 0.6 | 22.1 | + 1.1 | 26.4 | 35.4 | 2 | 28.2 | 10 | 31 | 15 | 1 | 0 | 0 | 24.6 | 7 | 19.3 | 28 | 0 | 0 | 0 | 0 |
| | Sidi Barrani | 29.3 | + 0.1 | 22.0 | — 0.2 | 25.6 | 33.4 | 7 | 27.7 | 5 | 31 | 2 | 0 | 0 | 0 | 24.6 | 1 | 17.5 | 28 | 0 | 0 | 0 | 0 |
| | Mersa Matruh (A) | 29.8 | + 0.2 | 20.8 | — 0.4 | 25.3 | 37.6 | 7 | 28.6 | 19 | 31 | 7 | 1 | 0 | 0 | 23.8 | 24 | 18.4 | 28 | 0 | 0 | 0 | 0 |
| | Dabaa | — | — | — | — | — | — | — | — | — | — | — | — | — | 0 | — | — | — | — | — | — | — | — |
| | Alexandria (A) | 30.5 | + 0.2 | 22.9 | + 0.2 | 27.6 | 36.8 | 7 | 29.0 | 5 | 31 | 23 | 1 | 0 | 0 | 24.8 | 22 | 19.1 | 29 | 0 | 0 | 0 | 0 |
| | Dekheila (A) | 29.8 | + 1.5 | 22.6 | — 1.5 | 26.2 | 34.6 | 7 | 28.4 | 27·28 | 31 | 9 | 0 | 0 | 0 | 24.8 | 6 | 17.0 | 29 | 0 | 0 | 0 | 0 |
| | Damietta | 30.0 | — 1.7 | 21.5 | 0·0 | 25.8 | 33.4 | 2 | 28.2 | 29 | 31 | 13 | 0 | 0 | 0 | 24.4 | 31 | 19.8 | 6 | 0 | 0 | 0 | 0 |
| | Port Said (A) | 31.3 | + 0.6 | 24.5 | — 0.5 | 27.9 | 35.0 | 2 | 29.9 | 30 | 31 | 30 | 0 | 0 | 0 | 25.4 | 8,25,26 | 23.5 | 6 | 0 | 0 | 0 | 0 |
| | El Arish | 31.0 | + 0.1 | 21.5 | — 0.3 | 26.2 | 33.0 | 15 | 29.8 | 6 | 31 | 28 | 0 | 0 | 0 | 22.8 | 22 | 20.0 | 23·30 | 0 | 0 | 0 | 0 |
| | Ghazza | 29.0 | — 1.7 | 21.0 | + 0·4 | 25.0 | 30.7 | 8 | 28.4 | 6·31 | 31 | 2 | 0 | 0 | 0 | 22.5 | 15 | 18.8 | 31 | 0 | 0 | 0 | 0 |

**TABLE A 2.—(*continued*)—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)**

## AUGUST 1959

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A + B) /2 | Maximum temperature: Highest | Date | Lowest | Date | Number of days with maximum temperature: >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Date | Lowest | Date | Number of days with minimum temperature: <10° | <5° | <0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour | 32.5 | — 0.3 | 20.3 | — 0.3 | 26.4 | 37.3 | 7 | 30.6 | 22 | 31 | 31 | 3 | 0 | 0 | 22.3 | 8 | 18.9 | 30 | 0 | 0 | 0 | 0 |
| | Mansoura | 33.5 | — 1.3 | 20.7 | — 0.1 | 27.1 | 37.0 | 2,14 | 26.0 | 8 | 31 | 30 | 7 | 0 | 0 | 23.5 | 3 | 19.2 | 6 | 0 | 0 | 0 | 0 |
| | Tanta | 34.6 | + 0.1 | 19.6 | + 0.4 | 27.1 | 38.6 | 7 | 31.8 | 21 | 31 | 31 | 10 | 0 | 0 | 21.8 | 2 | 17.5 | 30 | 0 | 0 | 0 | 0 |
| | Shebin el Kom | 33.8 | — 1.3 | 21.3 | + 0.8 | 27.6 | 36.8 | 7 | 31.9 | 23,29 | 31 | 31 | 3 | 0 | 0 | 23.8 | 3 | 18.7 | 30 | 0 | 0 | 0 | 0 |
| | Zagazig | 33.9 | — 0.8 | 20.7 | + 0.6 | 27.3 | 37.0 | 7 | 32.1 | 29 | 31 | 31 | 5 | 0 | 0 | 22.9 | 3 | 19.0 | 31 | 0 | 0 | 0 | 0 |
| | Zaher (A) | 34.3 | — | 21.1 | — | 27.7 | 37.6 | 2 | 32.2 | 21 | 31 | 31 | 8 | 0 | 0 | 22.8 | 11 | 19.5 | 14 | 0 | 0 | 0 | 0 |
| | Wadi el Natrun | 35.6 | — 1.0 | 20.5 | — 0.5 | 28.0 | 41.8 | 7 | 33.3 | 22 | 31 | 31 | 19 | 1 | 0 | 23.3 | 3 | 18.4 | 30 | 0 | 0 | 0 | 0 |
| | Abu Sueir (A) | 35.4 | — | 21.4 | — | 28.4 | 39.5 | 14 | 32.6 | 21,22 | 31 | 31 | 16 | 0 | 0 | 23.5 | 8 | 19.5 | 31 | 0 | 0 | 0 | 0 |
| Cairo Area | Cairo (A) | 34.2 | — 0.5 | 21.3 | — 0.2 | 27.8 | 38.8 | 7 | 32.4 | 20,21 | 31 | 31 | 7 | 0 | 0 | 23.2 | 8 | 19.2 | 28 | 0 | 0 | 0 | 0 |
| | Almaza (A) | 34.0 | — 0.8 | 21.8 | — 0.2 | 27.9 | 38.2 | 7 | 31.0 | 21 | 31 | 31 | 6 | 0 | 0 | 24.0 | 8 | 20.0 | 24 | 0 | 0 | 0 | 0 |
| | Abbasiya (H.Q) | 35.0 | — | 21.7 | — | 28.4 | 39.2 | 7 | 32.5 | 21 | 31 | 31 | 12 | 0 | 0 | 23.4 | 13 | 20.0 | 24 | 0 | 0 | 0 | 0 |
| | Mostafa Helmi (A) | 33.8 | — | 20.4 | — | 27.1 | 38.0 | 7 | 31.4 | 20 | 31 | 31 | 6 | 0 | 0 | 22.4 | 8 | 18.6 | 30 | 0 | 0 | 0 | 0 |
| | Giza | 34.0 | — 0.7 | 20.5 | + 0.6 | 27.2 | 37.4 | 7 | 31.5 | 21 | 31 | 31 | 7 | 0 | 0 | 22.9 | 3 | 18.2 | 6,29 | 0 | 0 | 0 | 0 |
| | Helwan | 34.3 | — 0.7 | 21.4 | — 0.2 | 27.2 | 39.8 | 7 | 31.1 | 21 | 31 | 31 | 8 | 0 | 0 | 24.2 | 8 | 19.5 | 30 | 0 | 0 | 0 | 0 |
| Upper Egypt | Fayoum | 36.3 | + 0.1 | 21.3 | — 0.1 | 28.8 | 41.3 | 7 | 33.8 | 21 | 31 | 31 | 27 | 1 | 0 | 23.4 | 8 | 19.6 | 21 | 0 | 0 | 0 | 0 |
| | Beni Suef | 36.0 | — 0.7 | 19.8 | — 0.4 | 27.9 | 40.0 | 7,15 | 33.2 | 23 | 31 | 31 | 22 | 0 | 0 | 21.5 | 4,8,12 | 17.0 | 29 | 0 | 0 | 0 | 0 |
| | Minya (A) | 35.4 | — 1.2 | 20.2 | — 0.3 | 27.8 | 39.0 | 7,15 | 32.4 | 21 | 31 | 31 | 20 | 0 | 0 | 23.0 | 4 | 16.0 | 29 | 0 | 0 | 0 | 0 |
| | Asyout (A) | 35.8 | — 1.2 | 21.8 | — 0.6 | 28.8 | 40.3 | 15 | 32.7 | 22 | 31 | 31 | 20 | 2 | 0 | 26.7 | 8 | 19.7 | 29 | 0 | 0 | 0 | 0 |
| | Nag Hammadi | 37.5 | — 0.5 | 20.8 | 0.0 | 29.2 | 42.2 | 8 | 34.5 | 22 | 31 | 31 | 27 | 3 | 0 | 22.8 | 9 | 17.8 | 31 | 0 | 0 | 0 | 0 |
| | Qena | 40.3 | — 0.6 | 23.4 | — 1.0 | 31.8 | 43.8 | 16 | 37.6 | 1 | 31 | 31 | 31 | 12 | 0 | 26.3 | 9 | 21.0 | 2 | 0 | 0 | 0 | 0 |
| | Luxor (A) | 39.9 | — 0.1 | 23.0 | — 0.3 | 31.4 | 43.5 | 8 | 36.4 | 26 | 31 | 31 | 31 | 11 | 0 | 26.8 | 9 | 19.9 | 31 | 0 | 0 | 0 | 0 |
| | Aswan | 42.2 | + 0.6 | 25.3 | — 1.3 | 33.8 | 46.2 | 8 | 39.1 | 26 | 31 | 31 | 31 | 29 | 4 | 30.8 | 8 | 21.4 | 31 | 0 | 0 | 0 | 0 |
| Western Desert | Siwa | 37.1 | — 0.4 | 21.3 | — 0.3 | 29.2 | 43.4 | 7 | 33.6 | 27 | 31 | 31 | 29 | 3 | 0 | 24.0 | 3 | 17.7 | 30 | 0 | 0 | 0 | 0 |
| | Bahariya | 36.6 | 0.0 | 20.5 | — 0.1 | 28.6 | 42.4 | 7 | 33.8 | 22 | 31 | 31 | 24 | 3 | 0 | 24.9 | 8 | 17.5 | 29 | 0 | 0 | 0 | 0 |
| | Farafra | 37.0 | — 1.0 | 21.6 | — 0.6 | 29.3 | 42.2 | 8 | 33.8 | 22 | 31 | 31 | 24 | 4 | 0 | 25.5 | 15 | 16.7 | 28 | 0 | 0 | 0 | 0 |
| | Dakhla | 38.3 | — 0.3 | 21.1 | — 2.4 | 29.7 | 44.6 | 8 | 35.2 | 26 | 31 | 31 | 31 | 7 | 0 | 26.5 | 15 | 16.8 | 29 | 0 | 0 | 0 | 0 |
| | Kharga | 39.3 | 0.0 | 21.5 | — 1.7 | 30.4 | 45.4 | 8 | 35.0 | 22 | 31 | 31 | 30 | 10 | 1 | 27.6 | 9 | 17.0 | 29 | 0 | 0 | 0 | 0 |
| Red Sea | Suez | 35.4 | — 0.9 | 22.3 | — 0.6 | 28.8 | 39.2 | 3 | 33.3 | 21 | 31 | 31 | 18 | 0 | 0 | 23.9 | 13 | 20.3 | 30 | 0 | 0 | 0 | 0 |
| | Tor | 32.6 | — 2.2 | 24.5 | — 0.2 | 28.6 | 36.6 | 4 | 30.0 | 22 | 31 | 30 | 2 | 0 | 0 | 26.6 | 29 | 21.2 | 24 | 0 | 0 | 0 | 0 |
| | Hurghada | 32.8 | — 0.1 | 24.2 | — 0.8 | 29.0 | 37.4 | 8 | 31.4 | 23 | 31 | 31 | 7 | 0 | 0 | 27.4 | 16 | 21.3 | 29 | 0 | 0 | 0 | 0 |
| | Quseir | 33.7 | — 0.3 | 25.8 | — 1.1 | 29.8 | 38.0 | 8 | 32.0 | * | 31 | 31 | 2 | 0 | 0 | 28.4 | 9 | 23.4 | 28 | 0 | 0 | 0 | 0 |

# TABLE A 3.—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

## AUGUST 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0·1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh (A) | 0.3 | +0.2 | 0.3 | 18 | 1 | 0 | 0 | 0 | 0 | 0·0 | -- | 352.2 | 398.1 | 88 | 1.7 | 3.0 | 2.7 | 2.3 | 5.0 |
| | Bouka ... ... ... ... | 0.7 | — | 0.7 | 17 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.9 | 2.3 | 3.6 | 2.8 |
| | Tartous ... ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.3 | 0.9 | 1.0 | 3.5 |
| Western Inland | Damascus (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 381.1 | 381.1 | 100 | 0.0 | 0.1 | 0.5 | 0.0 | 12.2 |
| | Aleppo (A) ... | 0.0 | —1.5 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 372.0 | 387.4 | 96 | 0.0 | 0.3 | 0.7 | 0.0 | 12.4 |
| | Hama (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 380.4 | 392.4 | 97 | 0.0 | 0.4 | 0.9 | 0.1 | 11.2 |
| | Homs ... ... ... ... | 0.0 | —0.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 1.7 | 2.0 | 2.4 | 5.0 |
| | Kharabo ... ... ... | 0·0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0,0 | — | — | — | — | — | 0.0 | 0.0 | 0.0 | — |
| | Salamiyie ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.0 | 0.0 | 0.0 | 6.7 |
| | Meselmiyie ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.0 | 0.0 | 0.0 | 11.3 |
| | Fiq ... ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 358·7 | 390.5 | 92 | — | 3.5 | 1.1 | 0.7 | 7.4 |
| | Tell Shihab ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.7 | 0.5 | 0.0 | 5.8 |
| Desert | Palmyra (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 384.0 | 385.5 | 100 | 0.0 | 0.0 | 0.0 | 0.0 | 14.7 |
| El Gezira | Deir Ezzor (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 368.3 | 396.0 | 93 | 0.0 | 0.0 | 0.0 | 0.0 | 16.4 |
| | Raqqa ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 365.7 | 392.8 | 93 | 0.0 | 0.0 | 0.4 | 0.4 | 15.2 |
| North Eastern | Qamishlie (A) ... | 0.0 | —0.2 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 366.9 | 376.7 | 97 | 0.0 | 0.1 | 0.4 | 0.1 | 10.7 |
| | Tell Tamer ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.0 | 0.0 | 0.0 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.2 | 0·4 | 0.5 | 0.1 | 8.5 |
| | Sidi Barrani ... ... ... | 0.0 | —0.5 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.7 | 0.9 | 0.6 | 7.0 |
| | Mersa Matruh (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0,0 | — | — | — | — | 1.1 | 2.0 | 1.2 | 1.9 | 9.5 |
| | Dabaa ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Alexandria (A) ... | 0·0 | —0.6 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 367.8 | 411.5 | 89·4 | 1.3 | 2.3 | 1.6 | 1.6 | 5.0 |
| | Dekheila (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.9 | 1.9 | 0.8 | 1.0 | 7.0 |
| | Damietta ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.5 | 0.2 | 0.2 | 4.8 |
| | Port Said (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 352.8 | 411.5 | 85.7 | 0.7 | 2.3 | 0.6 | 0.4 | 7.3 |
| | El Arish ... ... ... | 0.0 | —0.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.2 | 1.4 | 0.3 | 0.9 | 5.1 |
| | Ghazza ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 361.8 | 412.3 | 87.8 | 1.5 | 2.3 | 0.7 | 1.5 | 4.8 |

TABLE A 3. *(continued)*—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

## AUGUST 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal. | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Southern Region** *(contd.)* | | | | | | | | | | | | | | | | | | | |
| LOWER EGYPT | Damanhour ... ... ... | 0.0 | —0.6 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.8 | 1.5 | 0.3 | 4.4 |
| | Mansoura ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.5 | 1.4 | 0.0 | 4.1 |
| | Tanta ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 362.7 | 411.5 | 88.0 | — | 1.0 | 1.3 | — | 6.5 |
| | Shebin el Kom ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.2 | 0.5 | 0.0 | 4.1 |
| | Zagazig ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 3.5 | 2.3 | 0.0 | 4.9 |
| | Zaher (A) ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.1 | 0.5 | 0.2 | 10.3 |
| | Wadi el Natrun ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.8 | 0.5 | 0.0 | 11.1 |
| | Abu Sueir ... (A) ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.5 | 1.7 | 0.9 | 0.1 | 12.9 |
| CAIRO AREA | Cairo (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.1 | 2.9 | 0.5 | 0.1 | 11.7 |
| | Almaza (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 349.8 | 410.0 | 85.3 | 0.9 | 2.7 | 0.6 | 0.1 | 8.4 |
| | Abbasiya (H.Q.) ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | (346.1) | (396.4) | 87.3 | 1.1 | 2.9 | 0.6 | 0.1 | 6.8 |
| | Mostafa Helmi (A) ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.8 | 1.2 | 0.4 | 0.2 | 16.0 |
| | Giza ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 353.3 | 410.0 | 86.2 | — | 3.1 | 0.4 | 0.0 | 7.9 |
| | Helwan ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 361.0 | 409.8 | 88.1 | — | 1.4 | 0.2 | 0.1 | 12.2 |
| UPPER EGYPT | Fayoum ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.1 | 0.0 | 0.0 | 8.4 |
| | Beni Suef ... ... ... | 0.0 | 0.0 | 0·0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.1 | 0.1 | 0.2 | 7.8 |
| | Minya (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.5 | 0.0 | 0.0 | 10.5 |
| | Asyout (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.0 | 0.0 | 0.0 | 17.4 |
| | Nag Hammadi ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.0 | 1.7 | 0.2 | 9.6 |
| | Qena ... ... ... ... | 0.0 | 0·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.3 | 0.2 | 0.0 | 15.2 |
| | Luxor (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.1 | 0.2 | 0.2 | 0.1 | 14.9 |
| | Aswan ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0,0 | — | — | — | — | 0.0 | 0.6 | 0.7 | 0.5 | 14.6 |
| WESTERN DESERT | Siwa ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.1 | 0.3 | 0.3 | 0.3 | 14.7 |
| | Bahariya ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.7 | 0.2 | 0.2 | 9.9 |
| | Farafra ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0,0 | — | — | — | — | 0.0 | 0.2 | 0.0 | 0.0 | 21.0 |
| | Dakhla ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0,0 | — | — | — | — | 0.2 | 0.3 | 0.6 | 0.3 | 22.8 |
| | Kharga ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.2 | 0.5 | 0.4 | 15.3 |
| RED SEA | Suez... ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.7 | 0.2 | 0.1 | 15.6 |
| | Tor ... ... ... ... ... | 0.0 | 0·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.1 | 0.3 | 0.2 | 0.3 | 12.5 |
| | Hurghada ... ... ... | 0.0 | 0·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.5 | 0.4 | 0.3 | 20.8 |
| | Quseir ... ... ... ... | 0.0 | 0·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.4 | 0.3 | 0.2 | 15.2 |

Note : Actual number of sunshine records was 30 days at Abbasiya (H.Q.)

## TABLE A 4.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

## AUGUST 1959

| Station | Number of days of occurrence of | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rain | Snow | Hail | Thunderstorm | Fog | Mist | Haze | Sandstorm Dustorm | Sandrising Dustrising | Gales | Cloudy sky | Clear sky |
| **Northern Region** | | | | | | | | | | | | |
| Jableh (A) ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Bouka ... ... ... ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Tartous ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Damascus (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 20 |
| Aleppo (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Hama (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 28 |
| Homs ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Kharabo ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Salamiyie ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Meselmiyie ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | — | — |
| Fiq ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| Tell Shihab ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Palmyra (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 7 |
| Deir Ezzor (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 0 | 0 | 31 |
| Raqqa ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 14 | 0 | 0 | 11 |
| Qamishlie (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Tell Tamer ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| **Southern Region** | | | | | | | | | | | | |
| Sallum ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| Sidi Barrani ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | — | — |
| Mersa Matruh (A) ... ... ... | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 21 |
| Alexandria (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| Port Said (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 29 |
| El Arish ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| Abu Sueir (A) ... ... ... | 0 | 0 | 0 | 0 | 2 | 11 | 0 | 0 | 0 | 0 | 0 | 29 |
| Cairo (A) ... ... ... | 0 | 0 | 0 | 0 | 4 | 22 | 9 | 0 | 0 | 0 | 0 | 27 |
| Almaza (A) ... ... ... | 0 | 0 | 0 | 0 | 1 | 8 | 3 | 0 | 0 | 0 | 0 | 28 |
| Abbasiya (H.Q.) ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 27 |
| Mostafa Helmi (A) ... ... ... | 0 | 0 | 0 | 0 | 4 | 12 | 2 | 0 | 1 | 0 | 0 | 26 |
| Minya (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| Asyout (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| Luxor (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| Aswan ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 30 |
| Siwa ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 30 |
| Hurghada ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Qussir ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## NORTHERN REGION — AUGUST 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| COASTAL | Jableh (A) | 149 | 0 | 0 | 1-10 | 0 | 0 | 1 | 12 | 54 | 7 | 36 | 50 | 62 | 141 | 65 | 8 | 6 | 1 | 0 | 0 | 443 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 94 | 23 | 2 | 3 | 0 | 0 | 0 | 152 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 1 | 12 | 54 | 7 | 36 | 50 | 92 | 235 | 88 | 10 | 9 | 1 | 0 | 0 | 595 |
| WESTERN INLAND | Damascus (A) | 264 | 0 | 0 | 1-10 | 5 | 7 | 19 | 35 | 38 | 0 | 5 | 16 | 15 | 13 | 27 | 22 | 17 | 26 | 13 | 5 | 263 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 0 | 1 | 13 | 134 | 54 | 10 | 217 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 5 | 7 | 19 | 35 | 38 | 0 | 7 | 16 | 16 | 15 | 27 | 23 | 30 | 160 | 67 | 15 | 480 |
| | Aleppo (A) | 9 | 0 | 0 | 1-10 | 5 | 2 | 1 | 0 | 2 | 1 | 7 | 2 | 5 | 0 | 18 | 20 | 42 | 13 | 17 | 5 | 140 |
| | | | | | 11-27 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 9 | 11 | 15 | 116 | 319 | 61 | 27 | 7 | 571 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 19 | 0 | 0 | 0 | 24 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 7 | 2 | 1 | 3 | 2 | 1 | 7 | 3 | 14 | 13 | 33 | 139 | 380 | 74 | 44 | 12 | 735 |
| | Hama (A) | 30 | 0 | 0 | 1-10 | 5 | 2 | 7 | 12 | 48 | 3 | 7 | 15 | 66 | 73 | 40 | 19 | 29 | 3 | 2 | 1 | 332 |
| | | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 25 | 85 | 163 | 69 | 30 | 4 | 0 | 0 | 381 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 6 | 2 | 7 | 12 | 48 | 3 | 9 | 17 | 91 | 158 | 204 | 88 | 59 | 7 | 2 | 1 | 714 |
| | Kharabo ... | 368 | 0 | 66 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 95 | 75 | 21 | 3 | 0 | 208 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 14 | 19 | 61 | 6 | 0 | 0 | 102 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 28 | 114 | 136 | 27 | 3 | 0 | 310 |
| | Salamiyie ... | 130 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 78 | 124 | 43 | 5 | 0 | 4 | 0 | 0 | 258 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 38 | 174 | 116 | 22 | 4 | 0 | 0 | 0 | 355 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 116 | 299 | 159 | 27 | 4 | 4 | 0 | 0 | 614 |
| | Fiq ... .. | 14 | 0 | 217 | 1-10 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 7 | 27 | 120 | 30 | 12 | 2 | 205 |
| | | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 24 | 134 | 126 | 17 | 3 | 308 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 10 | 51 | 254 | 156 | 29 | 5 | 513 |
| DESERT | Palmyra (A) | 15 | 0 | 0 | 1-10 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 179 | 131 | 12 | 3 | 333 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 240 | 119 | 23 | 1 | 396 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 16 | 419 | 250 | 35 | 4 | 729 |
| EL GEZEIRA | Deir Ezzor (A) | 97 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 5 | 31 | 75 | 198 | 157 | 18 | 2 | 490 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 8 | 38 | 80 | 24 | 0 | 157 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 6 | 37 | 83 | 236 | 237 | 42 | 2 | 647 |
| | Raqqa... ... | 7 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 2 | 5 | 13 | 21 | 42 | 17 | 5 | 3 | 115 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 131 | 303 | 161 | 16 | 3 | 1 | 622 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 2 | 12 | 144 | 324 | 203 | 33 | 8 | 4 | 737 |
| NORTH EASTERN | Qamishlie (A) | 188 | 0 | 0 | 1-10 | 46 | 26 | 24 | 20 | 21 | 10 | 0 | 8 | 11 | 8 | 27 | 52 | 98 | 90 | 18 | 33 | 492 |
| | | | | | 11-27 | 18 | 9 | 4 | 13 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 10 | 3 | 1 | 0 | 64 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 64 | 35 | 28 | 33 | 21 | 11 | 0 | 8 | 11 | 8 | 28 | 56 | 108 | 93 | 19 | 33 | 556 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## SOUTHERN REGION — AUGUST 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| Mediterranean | Sidi Barrani .. | 34 | 0 | 4 | 1-10 | 164 | 12 | 1 | 0 | 2 | 6 | 6 | 8 | 21 | 10 | 62 | 144 | 436 |
| | | | | | 11-27 | 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 39 | 128 | 270 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 266 | 12 | 1 | 0 | 2 | 6 | 6 | 8 | 22 | 10 | 101 | 272 | 706 |
| | Mersa Matruh (A) | 5 | 0 | 0 | 1-10 | 9 | 2 | 0 | 1 | 1 | 1 | 4 | 28 | 96 | 61 | 103 | 124 | 430 |
| | | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 1 | 3 | 123 | 170 | 309 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 13 | 2 | 0 | 1 | 1 | 1 | 9 | 31 | 97 | 64 | 226 | 294 | 739 |
| | Alexandria (A) | 19 | 4 | 10 | 1-10 | 16 | 4 | 1 | 0 | 0 | 0 | 3 | 7 | 1 | 29 | 227 | 195 | 483 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 138 | 86 | 228 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 16 | 4 | 1 | 0 | 0 | 0 | 3 | 8 | 1 | 32 | 365 | 281 | 711 |
| | El Dekheila (A) | 1 | 0 | 11 | 1-10 | 109 | 21 | 3 | 0 | 0 | 0 | 0 | 9 | 8 | 14 | 67 | 288 | 519 |
| | | | | | 11-27 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 19 | 141 | 213 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 161 | 21 | 3 | 0 | 0 | 0 | 0 | 9 | 8 | 15 | 86 | 429 | 732 |
| | Port Said (A) | 4 | 0 | 0 | 1-10 | 78 | 27 | 3 | 1 | 3 | 4 | 0 | 6 | 35 | 121 | 80 | 272 | 630 |
| | | | | | 11-27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 93 | 110 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 86 | 27 | 3 | 1 | 3 | 4 | 0 | 6 | 35 | 121 | 89 | 365 | 740 |
| | El Arish ... ... | 115 | 136 | 0 | 1-10 | 42 | 7 | 0 | 0 | 0 | 3 | 1 | 37 | 33 | 12 | 110 | 244 | 489 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 42 | 7 | 0 | 0 | 0 | 3 | 1 | 37 | 33 | 12 | 114 | 244 | 493 |
| Lower Egypt | Zaher (A) | 14 | 8 | 6 | 1-10 | 121 | 32 | 8 | 3 | 3 | 9 | 1 | 13 | 96 | 70 | 126 | 226 | 708 |
| | | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 8 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 123 | 32 | 8 | 3 | 3 | 9 | 1 | 13 | 96 | 70 | 126 | 232 | 716 |
| Cairo Area | Cairo (A) | 41 | 2 | 0 | 1-10 | 105 | 79 | 15 | 10 | 5 | 1 | 0 | 3 | 8 | 69 | 116 | 286 | 697 |
| | | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 108 | 79 | 15 | 10 | 5 | 1 | 0 | 3 | 8 | 69 | 116 | 287 | 701 |
| | Almaza (A) | 0 | 0 | 1 | 1-10 | 119 | 243 | 211 | 38 | 8 | 13 | 1 | 0 | 0 | 3 | 9 | 59 | 704 |
| | | | | | 11-27 | 3 | 27 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 122 | 270 | 220 | 38 | 8 | 13 | 1 | 0 | 0 | 3 | 9 | 59 | 743 |
| | Abbasiya (H.Q.) | 63 | 1 | 15 | 1-10 | 296 | 121 | 7 | 3 | 3 | 0 | 0 | 0 | 0 | 6 | 47 | 171 | 654 |
| | | | | | 11-27 | 4 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 11 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 300 | 124 | 7 | 4 | 3 | 0 | 0 | 0 | 0 | 6 | 47 | 174 | 665 |
| | Mostafa Helmi (A) | 15 | 0 | 0 | 1-10 | 94 | 137 | 35 | 9 | 6 | 3 | 0 | 1 | 0 | 3 | 33 | 141 | 462 |
| | | | | | 11-27 | 27 | 177 | 24 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 36 | 267 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 121 | 314 | 59 | 9 | 8 | 3 | 0 | 1 | 0 | 3 | 34 | 177 | 729 |
| | Giza ... ... ... | 35 | 1 | 0 | 1-10 | 279 | 98 | 15 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 79 | 233 | 708 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 279 | 98 | 15 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 79 | 233 | 708 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

### SOUTHERN REGION (*contd.*) — AUGUST 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| Upper Egypt | Minya... ... (A) | 30 | 18 | 5 | 1-10 | 164 | 44 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 5 | 17 | 255 | 489 |
| | | | | | 11-27 | 123 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 202 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **287** | **73** | **0** | **0** | **0** | **0** | **0** | **3** | **1** | **5** | **17** | **305** | **691** |
| | Luxor... ... (A) | 26 | 8 | 2 | 1-10 | 13 | 16 | 11 | 4 | 10 | 27 | 84 | 80 | 47 | 52 | 148 | 214 | 706 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **13** | **16** | **11** | **4** | **10** | **28** | **84** | **80** | **47** | **52** | **149** | **214** | **708** |
| Western Desert | Siwa ... ... ... | 53 | 7 | 0 | 1-10 | 94 | 92 | 108 | 66 | 16 | 13 | 7 | 2 | 5 | 10 | 49 | 87 | 549 |
| | | | | | 11-27 | 42 | 55 | 12 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 20 | 135 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **136** | **147** | **120** | **70** | **17** | **13** | **7** | **2** | **5** | **10** | **50** | **107** | **684** |
| | Dakhla... ... ... | 23 | 0 | 0 | 1-10 | 88 | 40 | 12 | 4 | 2 | 5 | 13 | 10 | 37 | 100 | 107 | 149 | 567 |
| | | | | | 11-27 | 50 | 18 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 84 | 154 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **138** | **58** | **13** | **4** | **2** | **5** | **13** | **10** | **37** | **100** | **108** | **233** | **721** |
| Red Sea | Hurghada ... ... | 15 | 1 | 0 | 1-10 | 34 | 33 | 5 | 2 | 2 | 4 | 0 | 0 | 1 | 7 | 128 | 81 | 297 |
| | | | | | 11-27 | 181 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 54 | 189 | 431 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **215** | **38** | **5** | **2** | **2** | **4** | **0** | **0** | **1** | **9** | **182** | **270** | **728** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## JABLEH (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 10 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 4 | 0 | 6 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 4 | 0 | 6 | 4 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 0300 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 3 | 10 | 0 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 3 | 10 | 0 | 4 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 25 |
| 0600 | 7 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 13 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 24 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 9 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 19 | 11 | 0 | 0 | 0 | 0 | 0 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 10 | 0 | 1 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 2 | 0 | 1 | 0 | 0 | 0 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 12 | 0 | 2 | 0 | 0 | 0 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 6 | 1 | 3 | 0 | 0 | 0 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 18 | 6 | 1 | 3 | 0 | 0 | 0 | 31 |
| 1800 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 22 |
| 2100 | 10 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DAMASCUS (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 16 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 1 | 0 | 2 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 4 | 1 | 2 | 15 |
| 0300 | 18 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 3 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 4 | 0 | 0 | 13 |
| 0600 | 23 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 8 |
| 0900 | 7 | 0 | 0 | 1-10 | 0 | 0 | 3 | 4 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 3 | 4 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 6 | 1 | 0 | 21 |
| 1200 | 2 | 0 | 0 | 1-10 | 0 | 0 | 2 | 5 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 1 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 1 | 1 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 5 | 3 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 10 | 1 | 1 | 29 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 15 | 3 | 1 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 2 | 3 | 2 | 1 | 0 | 1 | 15 | 3 | 1 | 31 |
| 1800 | 3 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 3 | 1 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 6 | 1 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 14 | 7 | 1 | 28 |
| 2100 | 9 | 0 | 0 | 1-10 | 3 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 1 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 5 | 5 | 1 | 22 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ALEPPO (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 2 | 0 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 8 | 8 | 4 | 0 | 0 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 8 | 10 | 5 | 2 | 0 | 28 |
| 0300 | 0 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 2 | 1 | 1 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 8 | 6 | 0 | 0 | 1 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 11 | 9 | 2 | 1 | 2 | 31 |
| 0600 | 0 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 1 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 14 | 3 | 1 | 0 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 15 | 6 | 1 | 1 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 2 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 14 | 3 | 0 | 2 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 18 | 4 | 2 | 2 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 20 | 3 | 2 | 1 | 29 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 21 | 3 | 2 | 1 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 15 | 4 | 1 | 1 | 27 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 5 | 17 | 4 | 1 | 1 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 14 | 1 | 2 | 0 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 7 | 16 | 2 | 2 | 0 | 31 |
| 2100 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 1 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 13 | 2 | 2 | 0 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 5 | 16 | 4 | 3 | 0 | 31 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## HAMA (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 2 | 0 | 0 | 1–10 | 0 | 0 | 1 | 1 | 3 | 0 | 3 | 0 | 9 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 3 | 0 | 3 | 0 | 9 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 29 |
| 0300 | 2 | 0 | 0 | 1–10 | 0 | 0 | 1 | 1 | 7 | 0 | 0 | 3 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 7 | 0 | 0 | 4 | 7 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 29 |
| 0600 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 2 | 6 | 0 | 0 | 0 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 8 | 1 | 0 | 0 | 0 | 0 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 6 | 0 | 0 | 0 | 2 | 7 | 10 | 2 | 1 | 0 | 0 | 0 | 30 |
| 0900 | 1 | 0 | 0 | 1–10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 2 | 0 | 1 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 12 | 3 | 2 | 0 | 0 | 0 | 19 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 13 | 7 | 4 | 0 | 1 | 0 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 8 | 10 | 2 | 1 | 0 | 0 | 27 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 8 | 10 | 4 | 1 | 0 | 0 | 31 |
| 1500 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 11 | 9 | 4 | 0 | 0 | 0 | 28 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 11 | 9 | 6 | 0 | 0 | 0 | 30 |
| 1800 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 2 | 2 | 0 | 0 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 9 | 2 | 0 | 0 | 0 | 0 | 20 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 13 | 4 | 2 | 0 | 0 | 0 | 31 |
| 2100 | 2 | 0 | 0 | 1–10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 9 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 9 | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 2 [illegible] |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## KHARABO — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 26 | 0 | 2 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 3 |
| 0300 | 26 | 0 | 2 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| 0600 | 27 | 0 | 2 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| 0900 | 15 | 0 | 2 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10 | 0 | 0 | 0 | 14 |
| 1200 | 4 | 0 | 2 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 6 | 2 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 1 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 12 | 3 | 0 | 0 | 25 |
| 1500 | 4 | 0 | 3 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 0 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 7 | 0 | 0 | 0 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 12 | 0 | 0 | 0 | 24 |
| 1800 | 5 | 0 | 3 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 3 | 1 | 1 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 4 | 0 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 11 | 7 | 1 | 1 | 0 | 23 |
| 2100 | 16 | 0 | 3 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 3 | 0 | 0 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 2 | 3 | 0 | 0 | 12 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## SALAMIYIE —AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 11 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 20 |
| 0300 | 17 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 0600 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 17 | 6 | 0 | 0 | 0 | 0 | 0 | 29 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 1 | 0 | 1 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 15 | 2 | 0 | 0 | 0 | 0 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 18 | 3 | 0 | 1 | 0 | 0 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 12 | 4 | 2 | 0 | 0 | 0 | 27 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 15 | 4 | 2 | 0 | 0 | 0 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 17 | 2 | 1 | 0 | 0 | 0 | 29 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 18 | 2 | 1 | 0 | 0 | 0 | 31 |
| 1800 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 21 | 8 | 0 | 0 | 0 | 0 | 0 | 30 |
| 2100 | 8 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 23 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## FIQ — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | — | — | — | 1-10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11-27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28-47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0300 | — | — | — | 1-10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11-27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28-47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0600 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 14 | 2 | 2 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 19 | 2 | 2 | 0 | 28 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 5 | 2 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 3 | 0 | 0 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 13 | 8 | 2 | 0 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 16 | 2 | 0 | 28 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 10 | 16 | 3 | 0 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 18 | 0 | 2 | 31 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 18 | 0 | 2 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 0 | 1 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 7 | 1 | 0 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 19 | 7 | 1 | 1 | 31 |
| 2100 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 12 | 0 | 0 | 0 | 22 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 16 | 0 | 0 | 0 | 30 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## PALMYRA (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 6 | 0 | 0 | 24 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 7 | 0 | 0 | 31 |
| 0300 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 0 | 0 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 17 | 0 | 0 | 31 |
| 0600 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 3 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 9 | 0 | 0 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 | 12 | 0 | 0 | 31 |
| 0900 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 4 | 1 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 3 | 3 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 7 | 4 | 0 | 29 |
| 1200 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 5 | 1 | 1 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 2 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 10 | 3 | 1 | 29 |
| 1500 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 1 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 2 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 14 | 3 | 0 | 30 |
| 1800 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 12 | 1 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 12 | 1 | 0 | 29 |
| 2100 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 19 | 4 | 0 | 0 | 24 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 25 | 5 | 0 | 0 | 31 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DEIR EZZOR (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 7 | 8 | 2 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 7 | 13 | 2 | 0 | 26 |
| 0300 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 8 | 1 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 10 | 2 | 0 | 26 |
| 0600 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 0 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 13 | 0 | 0 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 22 | 0 | 0 | 30 |
| 0900 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 6 | 5 | 0 | 1 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 3 | 1 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 10 | 11 | 3 | 2 | 28 |
| 1200 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 10 | 5 | 3 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 14 | 9 | 3 | 0 | 29 |
| 1500 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | 9 | 6 | 2 | 0 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 7 | 10 | 7 | 2 | 0 | 29 |
| 1800 | 11 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 9 | 3 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 10 | 3 | 0 | 0 | 20 |
| 2100 | 7 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 9 | 8 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 11 | 8 | 0 | 0 | 24 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

### RAQQA — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 10 | 3 | 1 | 0 | 0 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **11** | **11** | **6** | **1** | **0** | **0** | **31** |
| 0300 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 1 | 0 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 12 | 2 | 0 | 0 | 0 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **9** | **15** | **4** | **1** | **0** | **0** | **31** |
| 0600 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 13 | 0 | 0 | 1 | 28 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **14** | **13** | **0** | **0** | **2** | **31** |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 9 | 2 | 1 | 0 | 26 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **2** | **14** | **11** | **2** | **1** | **0** | **31** |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 13 | 0 | 0 | 0 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **5** | **9** | **14** | **1** | **1** | **0** | **31** |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 12 | 6 | 2 | 0 | 0 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **7** | **13** | **8** | **2** | **0** | **0** | **31** |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 16 | 4 | 1 | 0 | 0 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **18** | **6** | **2** | **1** | **0** | **31** |
| 2100 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 17 | 3 | 0 | 0 | 0 | 26 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **5** | **18** | **4** | **2** | **0** | **0** | **30** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## QAMISHLIE (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 6 | 0 | 0 | 1-10 | 6 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 1 | 1 | 23 |
| | | | | 11-27 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 1 | 1 | 25 |
| 0300 | 11 | 0 | 0 | 1-10 | 3 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 4 | 17 |
| | | | | 11-27 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 4 | 20 |
| 0600 | 13 | 0 | 0 | 1-10 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 4 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 0 | 0 | 18 |
| 0900 | 7 | 0 | 0 | 1-10 | 0 | 0 | 2 | 2 | 2 | 2 | 0 | 1 | 1 | 0 | 4 | 2 | 3 | 2 | 0 | 3 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 2 | 2 | 2 | 0 | 1 | 1 | 0 | 4 | 2 | 3 | 2 | 0 | 3 | 24 |
| 1200 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 3 | 6 | 4 | 5 | 0 | 3 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 3 | 6 | 5 | 5 | 0 | 3 | 26 |
| 1500 | 6 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 6 | 7 | 2 | 2 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 7 | 7 | 3 | 2 | 0 | 25 |
| 1800 | 7 | 0 | 0 | 1-10 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 4 | 6 | 5 | 2 | 23 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 4 | 6 | 5 | 2 | 24 |
| 2100 | 9 | 0 | 0 | 1-10 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 6 | 0 | 4 | 20 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 6 | 0 | 4 | 22 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## SALLUM — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 16 | 0 | 0 | 1-10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 2 | 12 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 2 | 15 |
| 0300 | 12 | 0 | 0 | 1-10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 16 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 8 | 19 |
| 0600 | 9 | 0 | 0 | 1-10 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 5 | 22 |
| 0900 | 0 | 0 | 0 | 1-10 | 12 | 6 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 6 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 31 |
| 1200 | 1 | 0 | 0 | 1-10 | 6 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 17 |
| | | | | 11-27 | 9 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 7 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 15 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 21 |
| | | | | 11-27 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 22 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 23 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 23 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 31 |
| 2100 | 17 | 0 | 0 | 1-10 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 14 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MERSA MATRUH (A)—AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 11 | 0 | 13 | 0 | 29 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 11 | 0 | 13 | 0 | 30 |
| 0300 | 1 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 14 | 5 | 0 | 4 | 29 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 14 | 5 | 0 | 4 | 30 |
| 0600 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 10 | 4 | 4 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 10 | 7 | 5 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 6 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 13 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 18 | 30 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 19 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 16 | 27 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 18 | 31 |
| 1800 | 2 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 7 | 20 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 10 | 29 |
| 2100 | 2 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 13 | 0 | 5 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 13 | 0 | 8 | 29 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEXANDRIA (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 13 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 14 | 26 |
| 0300 | 6 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 7 | 9 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 7 | 10 | 25 |
| 0600 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 6 | 9 | 12 | 29 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 6 | 9 | 13 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 7 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 5 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 12 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 13 | 11 | 27 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 14 | 14 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 14 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 18 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 4 | 31 |
| 2100 | 2 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 17 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 18 | 29 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DEKHEILA (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 314 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 0 | 0 | 0 | 1—10 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 15 | 28 |
| | | | | 11—27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 16 | 31 |
| 0300 | 0 | 0 | 0 | 1—10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 18 | 29 |
| | | | | 11—27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 19 | 31 |
| 0600 | 0 | 0 | 0 | 1—10 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 6 | 13 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 6 | 14 | 31 |
| 0900 | 0 | 0 | 0 | 1 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 12 | 22 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 9 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 16 | 31 |
| 1200 | 0 | 0 | 0 | 1—10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 |
| | | | | 11—27 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 24 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 31 |
| 1500 | 0 | 0 | 0 | 1—10 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 11 |
| | | | | 11—27 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 20 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 31 |
| 1800 | 0 | 0 | 0 | 1—10 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 20 |
| | | | | 11—27 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 11 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 17 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 31 |
| 2100 | 0 | 0 | 0 | 1—10 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 26 |
| | | | | 11—27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 31 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## PORT SAID (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 4 | 8 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 5 | 8 | 29 |
| 0300 | 0 | 0 | 0 | 1-10 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 12 | 4 | 2 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 13 | 4 | 2 | 31 |
| 0600 | 0 | 0 | 0 | 1-10 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 4 | 4 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 4 | 4 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 4 | 11 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 4 | 11 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 11 | 25 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 15 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 13 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 24 | 31 |
| 2100 | 0 | 0 | 0 | 1-10 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 14 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 16 | 31 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## EL ARISH — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 20 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 11 |
| 0300 | 12 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 1 | 7 | 0 | 1 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 1 | 7 | 0 | 1 | 0 | 19 |
| 0300 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 13 | 6 | 0 | 0 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 13 | 6 | 0 | 0 | 28 |
| 0900 | [illegible] | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 12 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 12 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 1 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 27 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 27 | 31 |
| 1800 | 3 | 0 | 0 | 1-10 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 | 28 |
| 2100 | 24 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 7 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ABU SUEIR (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 18 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 2 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 2 | 13 |
| 0300 | 15 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 4 | 0 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 4 | 0 | 16 |
| 0600 | 10 | 0 | 0 | 1–10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 2 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 2 | 21 |
| 0900 | 14 | 0 | 0 | 1–10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 5 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 5 | 17 |
| 1200 | 3 | 0 | 0 | 1–10 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 7 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 9 | 28 |
| 1500 | 0 | 0 | 0 | 1–10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 5 | 16 |
| | | | | 11–27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 10 | 31 |
| 1800 | 0 | 0 | 0 | 1–10 | 10 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 |
| | | | | 11–27 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 18 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 31 |
| 2100 | 11 | 0 | 0 | 1–10 | 4 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 8 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 8 | 20 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## CAIRO (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 22 | 0 | 0 | 1–10 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 0300 | 21 | 0 | 0 | 1–10 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 10 |
| 0600 | 10 | 0 | 0 | 1–10 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 4 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 4 | 21 |
| 0900 | 1 | 0 | 0 | 1–10 | 7 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 11 | 30 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 11 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9 | 11 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 11 | 11 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 24 | 30 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 24 | 31 |
| 1800 | 0 | 0 | 0 | 1–10 | 15 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 31 |
| 2100 | 4 | 0 | 0 | 1–10 | 7 | 12 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 12 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 27 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALMAZA (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 4 | 7 | 8 | 6 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 29 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 7 | 8 | 6 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 29 |
| 0300 | 2 | 0 | 0 | 1-10 | 11 | 1 | 6 | 1 | 4 | 1 | 0 | 0 | 0 | 4 | 0 | 1 | 29 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 1 | 6 | 1 | 4 | 1 | 0 | 0 | 0 | 4 | 0 | 1 | 29 |
| 0600 | 1 | 0 | 0 | 1-10 | 6 | 10 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 10 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 6 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 27 |
| | | | | 11-27 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 8 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 27 |
| | | | | 11-27 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 6 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 21 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 3 | 10 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| | | | | 11-27 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 11 | 16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 2100 | 0 | 0 | 0 | 1-10 | 0 | 9 | 14 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 9 | 14 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABBASIYA (H.Q.) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 19 | 0 | 0 | 1-10 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 0300 | 19 | 0 | 0 | 1-10 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 |
| 0600 | 6 | 0 | 0 | 1-10 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 1 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 1 | 25 |
| 0900 | 0 | 0 | 0 | 1-10 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 5 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 5 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 22 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 22 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 31 |
| 1800 | 1 | 0 | 0 | 1-10 | 22 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 22 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 |
| 2100 | 8 | 0 | 0 | 1-10 | 12 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 7 | 4 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### MOSTAFA HELMI (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 0 | 1-10 | 5 | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 24 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 26 |
| 0300 | 8 | 0 | 0 | 1-10 | 4 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 23 |
| 0600 | 2 | 0 | 0 | 1-10 | 11 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 24 |
| | | | | 11-27 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 29 |
| 0900 | 1 | 0 | 0 | 1-10 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 21 |
| | | | | 11-27 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 15 |
| | | | | 11-27 | 5 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| | | | | 11-27 | 3 | 16 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 18 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11-27 | 28 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 28 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 2100 | 0 | 0 | 0 | 1-10 | 10 | 9 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| | | | | 11-27 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 15 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## GIZA — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 315 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 7 | 0 | 0 | 1-10 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| 0300 | 9 | 0 | 0 | 1-10 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 0600 | 0 | 0 | 0 | 1-10 | 10 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 3 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 3 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 11 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 11 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 13 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 17 | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 17 | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 31 |
| 2100 | 1 | 0 | 0 | 1-10 | 11 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MINYA (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 0 | 0 | 0 | 1-10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 13 | 26 |
| | | | | 11-27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 13 | 31 |
| 0300 | 3 | 0 | 0 | 1-10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 16 | 26 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 17 | 28 |
| 0600 | 1 | 0 | 0 | 1-10 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 20 |
| | | | | 11-27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 21 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 10 | 23 |
| | | | | 11-27 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 12 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 16 |
| | | | | 11-27 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 22 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 21 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 24 |
| | | | | 11-27 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 26 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 31 |
| 1800 | 7 | 0 | 0 | 1-10 | 18 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 22 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 20 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 |
| 2100 | 6 | 0 | 0 | 1-10 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15 |
| | | | | 11-27 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 25 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### ASYOUT (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17 | 7 | 0 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17 | 7 | 0 | 27 |
| 0300 | 5 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 22 | 0 | 0 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 22 | 0 | 0 | 26 |
| 0600 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 11 | 11 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 11 | 11 | 27 |
| 0900 | 2 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 24 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 25 | 29 |
| 1200 | 0 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 | 31 |
| 1800 | 10 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 7 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 7 | 21 |
| 2100 | 8 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 12 | 6 | 2 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 12 | 6 | 2 | 23 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## LUXOR (A) — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 25 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 6 |
| 0300 | 23 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 2 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 2 | 8 |
| 0600 | 23 | 0 | 0 | 1-10 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 3 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 3 | 8 |
| 0900 | 8 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 17 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 18 | 23 |
| 1200 | 3 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 17 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 18 | 28 |
| 1500 | 6 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 16 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 17 | 25 |
| 1800 | 17 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 14 |
| 2100 | 23 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 8 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ASWAN – AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 21 | 0 | 0 | 1-10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 |
| 0300 | 26 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 5 |
| 0600 | 19 | 0 | 0 | 1-10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 12 |
| 0900 | 6 | 0 | 0 | 1-10 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 5 | 22 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 5 | 25 |
| 1200 | 3 | 0 | 0 | 1-10 | 16 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 2 | 28 |
| 1500 | 4 | 0 | 0 | 1-10 | 8 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 10 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 10 | 27 |
| 1800 | 7 | 0 | 0 | 1-10 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 24 |
| 2100 | 11 | 0 | 0 | 1-10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 6 | 20 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## SIWA — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 7 | 0 | 0 | 1-10 | 1 | 2 | 10 | 5 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 11 | 5 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 24 |
| 0300 | 18 | 0 | 0 | 1-10 | 2 | 4 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 0600 | 11 | 0 | 0 | 1-10 | 7 | 4 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 4 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 20 |
| 0900 | 0 | 0 | 0 | 1-10 | 11 | 4 | 3 | 0 | 0 | 2 | 2 | 1 | 1 | 3 | 0 | 4 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 4 | 3 | 0 | 0 | 2 | 2 | 1 | 1 | 3 | 0 | 4 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 11 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 23 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 6 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 11 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 22 |
| | | | | 11-27 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 31 |
| 1800 | 4 | 0 | 0 | 1-10 | 7 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 3 | 21 |
| | | | | 11-27 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 3 | 27 |
| 2100 | 2 | 0 | 0 | 1-10 | 2 | 6 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 18 |
| | | | | 11-27 | 0 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 13 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 29 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## HURGHADA — AUGUST 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 2 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 9 | 30 |
| 0300 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 4 | 18 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 13 | 31 |
| 0600 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 22 | 26 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 |
| | | | | 11-27 | 21 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 23 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11-27 | 20 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 20 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 1500 | 1 | 0 | 0 | 1-10 | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 |
| | | | | 11-27 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 20 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 30 |
| 1800 | 4 | 0 | 0 | 1-10 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 11 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 19 | 27 |
| 2100 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 18 | 1 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 22 | 2 | 30 |

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A)—0000 U.T.—AUGUST 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N. | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 10 | 960 mb. | 961 mb. | 958 mb. | 10 | 22.6 | 24.2 | 20.8 | 10 | 13.2 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 10 | 1440 | 1455 | 1424 | 10 | 21.5 | 26.4 | 19.1 | 9 | 7.1 |
| 700 ... ... ... ... | 10 | 3092 | 3122 | 3080 | 10 | 11.4 | 16.7 | 6.4 | 8 | — 5.9 |
| 600 ... ... ... ... | 10 | 4359 | 4410 | 4341 | 10 | 4.6 | 9.4 | 1.6 | 8 | —16.9 |
| 500 ... ... ... ... | 10 | 5820 | 5880 | 5790 | 10 | — 4.8 | — 0.1 | — 7.8 | 8 | —29.0 |
| 400 ... ... ... ... | 10 | 7530 | 7620 | 7480 | 10 | —16.2 | —10.2 | —20.4 | 8 | —40.5 |
| 300 ... ... ... ... | 10 | 9640 | 9780 | 9560 | 10 | —28.6 | —23.4 | —34.3 | 7 | —50.8 |
| 200 ... ... ... ... | 9 | 12410 | 12660 | 12330 | 9 | —44.6 | —37.4 | —49.8 | — | — |
| 150 ... ... ... ... | 8 | 14330 | 14600 | 14160 | 8 | —55.6 | —47.0 | —60.8 | — | — |
| 100 ... ... ... ... | 6 | 16750 | 16830 | 16640 | 6 | —66.8 | —64.5 | —68.4 | — | — |
| 60 ... ... ... ... | 3 | 19870 | 19920 | 19840 | 3 | —63.2 | —62.7 | —63.6 | — | — |
| 40 ... ... ... ... | 2 | 22400 | 22430 | 22370 | 2 | —59.6 | —59.0 | —60.1 | — | — |
| 30 ... ... ... ... | 2 | 24210 | 24230 | 24180 | 2 | —57.8 | —57.3 | —58.3 | — | — |
| 20 ... ... ... ... | 2 | 26775 | 26780 | 26770 | 2 | —55.2 | —52.3 | —58.0 | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A)—1200 U.T—AUGUST 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N. | Mean | Highest | Lowest | N. | Mean | Highest | Lowest | N. | Mean |
| Surface ... ... ... | 29 | 960 mb. | 963 mb. | 957 mb. | 29 | 32.7 | 35.0 | 30.8 | 29 | 10.7 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 29 | 1460 | 1489 | 1433 | 29 | 23.0 | 26.6 | 19.9 | 29 | 5.5 |
| 700 ... ... ... ... | 29 | 3111 | 3146 | 3049 | 29 | 11.5 | 16.8 | 6.0 | 29 | — 6.9 |
| 600 ... ... ... ... | 29 | 4383 | 4415 | 4343 | 29 | 4.7 | 8.7 | — 0.5 | 28 | —17.3 |
| 500 ... ... ... ... | 29 | 5840 | 5900 | 5780 | 29 | — 4.1 | 2.6 | — 7.3 | 28 | —27.2 |
| 400 ... ... ... ... | 29 | 7560 | 7660 | 7490 | 29 | —15.9 | —11.1 | —21.9 | 28 | —37.8 |
| 300 ... ... ... ... | 29 | 9670 | 9820 | 9580 | 29 | —28.5 | —21.0 | —33.2 | 23 | —48.4 |
| 200 ... ... ... ... | 28 | 12470 | 12700 | 12340 | 28 | —45.8 | —38.4 | —48.7 | — | — |
| 150 ... ... ... ... | 23 | 14320 | 14620 | 14180 | 23 | —57.7 | —49.8 | —61.8 | — | — |
| 100 ... ... ... ... | 19 | 16790 | 16980 | 16660 | 19 | —68.6 | —63.4 | —75.0 | — | — |
| 60 ... ... ... ... | 15 | 19860 | 20050 | 19670 | 15 | —63.8 | —57.4 | —82.3 | — | — |
| 40 ... ... ... ... | 8 | 22410 | 22600 | 22230 | 8 | —57.1 | —50.0 | —70.8 | — | — |
| 30 ... ... ... ... | 5 | 24150 | 24340 | 23950 | 5 | —56.7 | —49.3 | —72.0 | — | — |
| 20 ... ... ... ... | 1 | 26720 | — | — | 1 | —51.6 | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.— UPPER AIR CLIMATOLOGICAL DATA

### MERSA MATRUH (A) — 0000 U.T. — AUGUST 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 22 | 1004mb | 1006mb | 1001mb | 22 | 23.7 | 28·6 | 21·2 | 22 | 19.5 |
| 1000 ... ... ... ... | 22 | 76 | 95 | 51 | 22 | 23.4 | 27·8 | 20·9 | 22 | 19·2 |
| 850 ... ... ... ... | 22 | 1479 | 1495 | 1432 | 22 | 17.6 | 23·0 | 14·2 | 17 | 2·7 |
| 700 ... ... ... ... | 22 | 3113 | 3138 | 3068 | 22 | 9·9 | 14·2 | 7·5 | 3 | — 6.6 |
| 600 ... ... ... ... | 22 | 4378 | 4416 | 4331 | 22 | 3·6 | 7·8 | 1·2 | — | — |
| 500 ... ... ... ... | 22 | 5830 | 5880 | 5707 | 22 | — 5·6 | — 0·5 | — 6·8 | — | — |
| 400 ... ... ... ... | 21 | 7552 | 7601 | 7500 | 21 | —16·4 | —14·6 | —20·0 | — | — |
| 300 ... ... ... ... | 17 | 9649 | 9705 | 9596 | 17 | —31·0 | —27·9 | —34·3 | — | — |
| 200 ... ... ... ... | 14 | 12416 | 12470 | 12350 | 14 | —50·6 | —48.2 | —51·6 | — | — |
| 150 ... ... ... ... | 7 | 14250 | 14297 | 14170 | 7 | —63.5 | —61·2 | —65.9 | — | — |
| 100 ... ... ... ... | 6 | 16658 | 16732 | 16573 | 6 | —74·4 | —71·6 | —77·1 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

### MERSA MATRUH (A) — 1200 U.T. — AUGUST 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... .. | 23 | 1004mb | 1008mb | 1002mb | 23 | 28·6 | 30·0 | 25·5 | 23 | 21·3 |
| 1000 ... ... ... ... | 23 | 80 | 111 | 60 | 23 | 28·3 | 29·7 | 27·1 | 20 | 20·8 |
| 850 ... ... ... ... | 23 | 1501 | 1543 | 1477 | 23 | 19.7 | 24.8 | 13.5 | 18 | 2·4 |
| 700 ... ... ... ... | 23 | 3143 | 3215 | 3101 | 23 | 11·9 | 15·9 | 8·7 | 4 | — 3·1 |
| 600 ... ... ... ... | 23 | 4413 | 4497 | 4347 | 23 | 5·7 | 9·8 | 2·0 | — | — |
| 500 ... ... ... ... | 23 | 5839 | 5963 | 5741 | 23 | — 4·0 | — 1·1 | — 9·6 | — | — |
| 400 ... ... ... ... | 23 | 7601 | 7683 | 7533 | 23 | —15·6 | —11·8 | —18·3 | — | — |
| 300 ... ... ... ... | 19 | 9715 | 9825 | 9556 | 19 | —29·8 | —26.3 | —32·9 | — | — |
| 200 ... ... ... ... | 11 | 12501 | 12629 | 12441 | 11 | —49·7 | —46·5 | —50·3 | — | — |
| 150 ... ... ... ... | 6 | 14288 | 14359 | 14114 | 6 | —62.4 | —58·1 | —69.4 | — | — |
| 100 ... ... ... ... | 5 | 16732 | 16846 | 16554 | 5 | —71·4 | —69·6 | —73·1 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 0000 U.T. — AUGUST 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 31 | 1002mb. | 1005 m | 1000mb | 31 | 24·2 | 28·2 | 22·0 | 31 | 18·9 |
| 1000 ... ... ... ... | 31 | 89 | 114 | 70 | 31 | 24·1 | 28·2 | 27·7 | 31 | 18·9 |
| 850 ... ... ... ... | 31 | 1497 | 1520 | 1480 | 31 | 18·2 | 23·9 | 12·4 | 29 | 4·3 |
| 700 ... ... ... ... | 31 | 3139 | 3177 | 3103 | 31 | 11.8 | 17·6 | 0·7 | 4 | — 5·4 |
| 600 ... ... ... ... | 31 | 4415 | 4460 | 4365 | 31 | 5·8 | 9·8 | 2·4 | — | — |
| 500 ... ... ... ... | 31 | 5883 | 5945 | 5808 | 31 | — 3·0 | — 0·1 | — 7·2 | — | — |
| 400 ... ... ... ... | 31 | 7614 | 7691 | 7520 | 31 | —14.1 | —11·0 | —22·6 | — | — |
| 300 ... ... ... ... | 30 | 9733 | 9821 | 9616 | 30 | —29·1 | —26·0 | —36·0 | — | — |
| 200 ... ... ... ... | 26 | 12513 | 12647 | 12357 | 26 | —49·2 | —43·5 | —53·5 | — | — |
| 150 ... ... ... ... | 21 | 14342 | 14458 | 14188 | 21 | —62.3 | —58.0 | —64.8 | — | — |
| 100 ... ... ... ... | 17 | 16790 | 16930 | 16677 | 17 | —75.8 | —71.1 | —79.6 | — | — |
| 60 ... ... ... ... | 2 | 19808 | 19814 | 19801 | 2 | —65.6 | —63.7 | —67 5 | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 1200 U.T. — AUGUST 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 31 | 1002mb. | 1004mb. | 999mb. | 31 | 33·2 | 37·6 | 30·0 | 31 | 16·4 |
| 1000 ... ... ... ... | 30 | 83 | 106 | 70 | 30 | 32·9 | 37·4 | 31·0 | 30 | 16·5 |
| 850 ... ... ... ... | 31 | 1506 | 1537 | 1494 | 31 | 19·3 | 24·0 | 14.2 | 31 | 5·7 |
| 700 ... ... ... ... | 31 | 3158 | 3195 | 3132 | 31 | 12·3 | 15·2 | 8·2 | 4 | — 4·9 |
| 600 ... ... ... ... | 31 | 4436 | 4481 | 4405 | 31 | 6.3 | 8·3 | 3·6 | — | — |
| 500 ... ... ... ... | 31 | 5906 | 5955 | 5877 | 30 | — 2.3 | — 0.5 | — 4·6 | — | — |
| 400 ... ... ... ... | 31 | 7644 | 7746 | 7606 | 31 | —14·2 | —11·1 | —17·0 | — | — |
| 300 ... ... ... ... | 29 | 9765 | 9818 | 9720 | 29 | —28·5 | —21·6 | —33·7 | — | — |
| 200 ... ... ... ... | 27 | 12556 | 12747 | 12474 | 27 | —48·7 | —45·9 | —54.0 | — | — |
| 150 ... ... ... ... | 21 | 14390 | 14577 | 14261 | 21 | —61.9 | —57·0 | —63·4 | — | — |
| 100 ... ... ... ... | 14 | 16821 | 16973 | 16740 | 14 | —73.0 | —69·0 | —77·7 | — | — |
| 60 ... ... ... ... | 8 | 19874 | 20005 | 19762 | 8 | —62.1 | —57·2 | —72·5 | — | — |
| 40 ... ... ... ... | 4 | 22523 | 22608 | 22380 | 4 | —52.9 | —50·8 | —56·0 | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 0000 U.T. — AUGUST 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 31 | 993mb | 995mb | 990mb | 31 | 29.0 | 33.7 | 24.0 | 31 | 10.0 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 31 | 1473 | 1492 | 1444 | 31 | 22.6 | 27.0 | 18.0 | 24 | 3.5 |
| 700 ... ... ... ... | 31 | 3128 | 3159 | 3081 | 31 | 11.5 | 14.7 | 7.2 | 22 | — 1.3 |
| 600 ... ... ... ... | 31 | 4398 | 4430 | 4350 | 31 | 3.0 | 7.4 | 0.0 | 20 | — 6.8 |
| 500 ... ... ... ... | 31 | 5854 | 5897 | 5800 | 31 | — 4.6 | — 0.3 | — 7.5 | — | — |
| 400 ... ... ... ... | 31 | 7577 | 7627 | 7503 | 31 | —15.6 | —13.0 | —19.1 | — | — |
| 300 ... ... ... ... | 29 | 9691 | 9764 | 9593 | 29 | —30.4 | —26.3 | —33.4 | — | — |
| 200 ... ... ... ... | 29 | 12448 | 12586 | 12310 | 29 | —52.1 | —46.1 | —56.1 | — | — |
| 150 ... ... ... ... | 14 | 14258 | 14345 | 14187 | 14 | —66.1 | —65.0 | —68.0 | — | — |
| 100 ... ... ... ... | 7 | 16619 | 16739 | 16539 | 7 | —81.2 | —77.3 | —83.3 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 1200 U.T. — AUGUST 1959

| Pressure surface (millibar) | Heights of pressurs surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 30 | 993mb | 995mb | 989mb | 30 | 40.3 | 45.5 | 37.5 | 30 | 9.0 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 30 | 1500 | 1518 | 1479 | 30 | 25.6 | 29.4 | 22.5 | 25 | 3.2 |
| 700 ... ... ... ... | 30 | 3168 | 3195 | 3131 | 30 | 13.7 | 17.0 | 7.5 | 24 | — 3.0 |
| 600 ... ... ... ... | 30 | 4446 | 4477 | 4416 | 30 | 5.2 | 8.7 | 0.1 | 19 | — 8.4 |
| 500 ... ... ... ... | 30 | 5912 | 5939 | 5836 | 30 | — 3.2 | — 0.3 | — 5.5 | 11 | —16.6 |
| 400 ... ... ... ... | 30 | 7646 | 7678 | 7558 | 30 | —14.0 | —11.6 | — 16.7 | — | — |
| 300 ... ... ... ... | 30 | 9767 | 9814 | 9711 | 30 | —29.3 | —27.0 | —31.5 | — | — |
| 200 ... ... ... ... | 25 | 12542 | 12602 | 12472 | 25 | —50.8 | —45.7 | —52.4 | — | — |
| 150 ... ... ... ... | 18 | 14361 | 14424 | 14303 | 18 | —64.9 | —60.7 | —67.1 | — | — |
| 100 ... ... ... ... | 9 | 16722 | 16775 | 16689 | 9 | —80.9 | —77.4 | —85.0 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 0000 U.T. — AUGUST 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... ... | 5167 (10) | 544 (10) | —23.2 (8) | 5815 | — | — | 4635 | — | — | 16730 (4) | 101 (4) | —66.8 (4) | 18025 | — | — | 16155 | — | — | — | — | — | — |
| Mersa Matruh (A) ... ... ... ... ... ... ... | 5065 (22) | 552 (22) | — | 5490 | 524 | — | 4400 | 600 | — | 16052 (3) | 111 (3) | —74.2 (3) | 16675 | 101 | —74·5 | 15720 | 117 | —69.5 | 12480 | — | 260 | 68 |
| Cairo (A) ... ... ... ... ... ... ... | 5416 (31) | 530 (31) | — | 5940 | 500 | — | 4670 | 577 | — | 14858 (9) | 142 (9) | —64.4 (9) | 17560 | 92 | —77.3 | 13350 | 177 | —50.8 | 14750 | 139 | 230 | 57 |
| Aswan ... ... ... ... ... ... ... ... ... | 4924 (31) | 562 (31) | —9.3 (15) | 5800 | 502 | — | 4390 | 600 | —15.6 | — | — | — | — | — | — | — | — | — | 15900 | 121 | 130 | 44 |

N = Total number of observations.

TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR

1200 U.T. — AUGUST 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... | 5189 (29) | 543 (29) | —23.1 (28) | 6360 | — | — | 4190 | — | — | 16503 (16) | 106 (16) | —69.4 (16) | 18050 | — | — | 15445 | — | — | 7900 | 382 | 240 | 145 |
| Marsa Matruh (A) ... ... ... ... ... ... | 5322 (23) | 536 (23) | — | 5700 | 514 | — | 4950 | 557 | — | 16630 (4) | 99 (4) | —69.7 (4) | 19780 | 61 | —72.5 | 13360 | 127 | —68.9 | 11700 | — | 270 | 72 |
| Cairo (A) ... ... ... ... ... ... | 5530 (31) | 524 (31) | — | 5800 | 503 | — | 4980 | 562 | — | 16237 (9) | 111 (9) | —71.9 (9) | 18090 | 80 | —73.8 | 15100 | 133 | —67.0 | 19080 | 67 | 200 | 45 |
| Aswan ... ... ... ... ... ... ... ... | 5146 (30) | 544 (30) | —11.6 (17) | 5850 | 504 | — | 4400 | 601 | — | — | — | — | — | — | — | — | — | — | 12200 | — | 110 | 39 |

N = Total number of observations

**TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.**

## ALEPPO (A) — 1200 U.T. — AUGUST 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360) ° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 0 | — | 0 | — | 1 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 20 | 4 | 19 | 14 | 20 | 6 | 17 | 1 | 16 | 1 | 28 | 18 |
| 1000 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... | 1 | 9 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 9 | 1 | 12 | 6 | 19 | 13 | 17 | 5 | 14 | 2 | 13 | 0 | 29 | 16 |
| 700 ... ... | 1 | 10 | 1 | 15 | 1 | 8 | 1 | 3 | 0 | — | 1 | 10 | 0 | — | 3 | 13 | 2 | 21 | 13 | 13 | 3 | 13 | 3 | 12 | 0 | 29 | 13 |
| 600 ... ... | 1 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 12 | 6 | 19 | 9 | 20 | 6 | 23 | 5 | 14 | 0 | — | 0 | 28 | 19 |
| 500 ... ... | 0 | — | 1 | 17 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 39 | 14 | 34 | 7 | 28 | 2 | 22 | 0 | — | 0 | 29 | 30 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 42 | 14 | 43 | 7 | 38 | 0 | — | 0 | — | 0 | 28 | 42 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 59 | 18 | 56 | 3 | 55 | 0 | — | 0 | — | 0 | 26 | 56 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 66 | 13 | 65 | 1 | 65 | 0 | — | 0 | — | 0 | 20 | 65 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 50 | 10 | 69 | 1 | 45 | 0 | — | 0 | — | 0 | 14 | 63 |
| 100 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 43 | 4 | 47 | 0 | — | 0 | — | 0 | — | 0 | 6 | 46 |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## MERSA MATRUH (A) — 0000 U.T. — AUGUST 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000—360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345—014 | | 015—044 | | 045—074 | | 075—104 | | 105—134 | | 135—164 | | 165—194 | | 195—224 | | 225—254 | | 255—284 | | 285—314 | | 315—344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 1 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 10 | 4 | 4 | 5 | 6 | 1 | 8 | 6 | 8 | 3 | 9 | 1 | 22 | 7 |
| 1000 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 10 | 1 | 2 | 0 | — | 0 | — | 2 | 8 | 9 | 12 | 0 | 13 | 10 |
| 850 ... | 7 | 29 | 0 | — | 1 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 20 | 3 | 17 | 7 | 19 | 0 | 19 | 18 |
| 700 ... | 3 | 12 | 1 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 10 | 8 | 23 | 6 | 14 | 0 | 19 | 16 |
| 600 ... | 0 | — | 2 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 17 | 6 | 24 | 7 | 18 | 4 | 13 | 0 | 21 | 18 |
| 500 ... | 1 | 20 | 1 | 23 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 26 | 9 | 17 | 4 | 24 | 3 | 13 | 0 | 21 | 19 |
| 400 ... | 3 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 25 | 6 | 32 | 5 | 23 | 1 | 22 | 0 | 20 | 25 |
| 300 ... | 1 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 29 | 11 | 36 | 0 | — | 0 | — | 0 | 16 | 32 |
| 200 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 7 | 4 | 35 | 7 | 38 | 0 | — | 0 | — | 0 | 12 | 34 |
| 150 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 28 | 1 | 34 | 0 | — | 0 | — | 0 | 5 | 29 |
| 100 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 31 | 1 | 35 | 0 | — | 0 | — | 0 | 3 | 33 |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

**TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.**

**MERSA MATRUH (A)—1200 U.T.—AUGUST 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | | | |
| Surface ... | 1 | 16 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 15 | 6 | 16 | 15 | 14 | 0 | 23 | 15 |
| 1000 ... ... | 2 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 14 | 0 | — | 1 | 15 | 5 | 8 | 13 | 14 | 0 | 22 | 15 |
| 850 ... ... | 5 | 12 | 2 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 10 | 10 | 18 | 4 | 17 | 0 | 22 | 16 |
| 700 ... ... | 3 | 22 | 0 | — | 2 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 18 | 6 | 16 | 7 | 19 | 0 | 22 | 18 |
| 600 ... ... | 2 | 20 | 1 | 13 | 0 | — | 0 | — | 2 | 5 | 0 | — | 0 | — | 0 | — | 2 | 22 | 5 | 17 | 5 | 20 | 4 | 21 | 0 | 21 | 18 |
| 500 ... ... | 0 | — | 0 | — | 1 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 21 | 8 | 22 | 5 | 18 | 1 | 13 | 0 | 22 | 20 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 11 | 8 | 28 | 5 | 23 | 5 | 20 | 1 | 5 | 0 | 20 | 22 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 49 | 8 | 33 | 6 | 31 | 2 | 33 | 1 | 24 | 0 | 19 | 34 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 27 | 3 | 27 | 3 | 46 | 0 | — | 1 | 28 | 0 | 8 | 34 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 5 | 1 | 35 | 0 | — | 0 | — | 0 | — | 0 | 2 | 20 |
| 100 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 17 | 1 | 24 | 0 | — | 0 | — | 0 | — | 0 | 2 | 20 |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### CAIRO (A). — 0000 U.T. — AUGUST 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 1 | 10 | 5 | 2 | 3 | 6 | 0 | — | 0 | — | 1 | 1 | 0 | — | 0 | — | 1 | 5 | 0 | — | 1 | 5 | 1 | 5 | 18 | 31 | 2 |
| 1000... ... | 15 | 4 | 6 | 4 | 6 | 6 | 0 | — | 1 | 5 | 0 | — | 0 | — | 0 | — | 1 | 5 | 0 | — | 0 | — | 2 | 6 | 0 | 31 | 5 |
| 850... ... | 8 | 13 | 5 | 16 | 1 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 16 | 5 | 12 | 8 | 14 | 0 | 31 | 14 |
| 700... ... | 4 | 12 | 1 | 9 | 0 | — | 0 | — | 0 | — | 1 | 4 | 0 | — | 1 | 14 | 1 | 8 | 6 | 11 | 11 | 10 | 6 | 10 | 0 | 31 | 10 |
| 600... ... | 1 | 9 | 2 | 11 | 0 | — | 1 | 10 | 1 | 13 | 0 | — | 0 | — | 2 | 18 | 9 | 11 | 7 | 13 | 5 | 12 | 3 | 10 | 0 | 31 | 12 |
| 500... ... | 0 | — | 0 | — | 1 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 10 | 12 | 18 | 10 | 17 | 3 | 12 | 3 | 13 | 0 | 31 | 16 |
| 400... ... | 0 | — | 1 | 5 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 17 | 16 | 21 | 9 | 18 | 2 | 14 | 2 | 10 | 0 | 31 | 18 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 24 | 19 | 26 | 4 | 20 | 0 | — | 0 | — | 0 | 29 | 24 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 12 | 28 | 6 | 34 | 1 | 24 | 0 | — | 0 | — | 0 | 19 | 30 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 18 | 9 | 31 | 3 | 31 | 0 | — | 0 | — | 0 | — | 0 | 14 | 28 |
| 100... ... | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 13 | 0 | — | 2 | 23 | 1 | 33 | 2 | 22 | 0 | — | 0 | — | 0 | — | 0 | 6 | 22 |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### CAIRO (A) — 1200 U.T. — AUGUST 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 5 | 7 | 1 | 5 | 1 | 13 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 8 | 8 | 7 | 14 | 8 | 0 | 31 | 8 |
| 1000 ... ... | 5 | 8 | 2 | 4 | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 6 | 6 | 8 | 15 | 8 | 0 | 30 | 8 |
| 850 ... ... | 10 | 10 | 4 | 8 | 1 | 11 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 17 | 2 | 13 | 7 | 9 | 6 | 10 | 0 | 31 | 10 |
| 700 ... ... | 1 | 17 | 3 | 9 | 1 | 13 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 11 | 8 | 13 | 10 | 10 | 2 | 14 | 0 | 31 | 11 |
| 600 ... ... | 1 | 10 | 0 | — | 1 | 15 | 0 | — | 0 | — | 0 | — | 1 | 10 | 1 | 5 | 9 | 15 | 9 | 11 | 4 | 8 | 4 | 10 | 0 | 30 | 12 |
| 500 ... ... | 0 | — | 0 | — | 1 | 17 | 0 | — | 0 | — | 0 | — | 1 | 9 | 3 | 20 | 14 | 15 | 6 | 12 | 3 | 11 | 2 | 14 | 0 | 30 | 15 |
| 400 ... ... | 1 | 1 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 18 | 15 | 22 | 5 | 18 | 1 | 10 | 2 | 15 | 0 | 30 | 19 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 24 | 22 | 25 | 1 | 21 | 0 | — | 0 | — | 0 | 28 | 25 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 16 | 25 | 6 | 30 | 0 | — | 1 | 28 | 0 | — | 0 | 23 | 26 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 36 | 7 | 25 | 5 | 29 | 1 | 14 | 0 | — | 0 | — | 0 | 15 | 27 |
| 100 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 17 | 2 | 26 | 1 | 28 | 2 | 16 | 0 | — | 0 | — | 0 | — | 0 | 7 | 21 |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

**ASWAN— 0000 U.T. — AUGUST 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 11 | 6 | 2 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 5 | 0 | — | 2 | 6 | 15 | 31 | 3 |
| 1000... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850... ... | 8 | 9 | 5 | 12 | 0 | — | 0 | — | 0 | — | 1 | 8 | 0 | — | 1 | 11 | 1 | 1 | 4 | 10 | 4 | 10 | 6 | 12 | 0 | 30 | 10 |
| 700... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 18 | 3 | 6 | 8 | 12 | 7 | 16 | 8 | 15 | 1 | 15 | 2 | 5 | 0 | 30 | 13 |
| 600... ... | 0 | — | 1 | 8 | 0 | — | 0 | — | 1 | 4 | 0 | — | 2 | 14 | 2 | 9 | 11 | 15 | 9 | 12 | 2 | 10 | 0 | — | 2 | 30 | 12 |
| 500... ... | 2 | 5 | 1 | 8 | 4 | 8 | 7 | 4 | 5 | 9 | 3 | 9 | 2 | 10 | 1 | 5 | 1 | 7 | 1 | 4 | 1 | 10 | 0 | — | 2 | 30 | 7 |
| 400... ... | 1 | 5 | 4 | 6 | 3 | 10 | 5 | 10 | 5 | 7 | 2 | 7 | 1 | 7 | 2 | 8 | 1 | 5 | 3 | 5 | 1 | 17 | 0 | — | 2 | 30 | 7 |
| 300... ... | 0 | — | 2 | 13 | 2 | 6 | 6 | 10 | 5 | 14 | 5 | 13 | 3 | 10 | 1 | 6 | 0 | — | 0 | — | 0 | — | 1 | 1 | 4 | 29 | 9 |
| 200... ... | 0 | — | 0 | — | 0 | — | 5 | 15 | 10 | 18 | 8 | 13 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 24 | 15 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 23 | 4 | 21 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 9 | 22 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### ASWAN. — 1200 U.T. — AUGUST 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 15 | 7 | 2 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 7 | 3 | 9 | 2 | 8 | 2 | 7 | 5 | 30 | 6 |
| 1000... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850... ... | 1 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 2 | 0 | — | 3 | 9 | 6 | 9 | 14 | 12 | 5 | 13 | 0 | 30 | 11 |
| 700... ... | 1 | 34 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 4 | 6 | 14 | 10 | 21 | 7 | 20 | 3 | 13 | 1 | 15 | 0 | 30 | 18 |
| 600... ... | 0 | — | 1 | 8 | 1 | 4 | 1 | 7 | 0 | — | 0 | — | 2 | 4 | 7 | 15 | 13 | 16 | 3 | 11 | 2 | 10 | 0 | — | 0 | 30 | 13 |
| 500... ... | 0 | — | 3 | 9 | 3 | 10 | 0 | — | 6 | 8 | 2 | 4 | 0 | — | 5 | 9 | 7 | 6 | 4 | 11 | 0 | — | 0 | — | 0 | 30 | 8 |
| 400... ... | 0 | — | 0 | — | 6 | 10 | 8 | 9 | 7 | 14 | 2 | 14 | 2 | 7 | 3 | 7 | 1 | 7 | 0 | — | 0 | — | 0 | — | 1 | 30 | 10 |
| 300... ... | 0 | — | 0 | — | 3 | 8 | 9 | 15 | 8 | 16 | 5 | 11 | 4 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 29 | 13 |
| 200... ... | 0 | — | 0 | — | 0 | — | 2 | 27 | 8 | 17 | 9 | 15 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 19 | 17 |
| 150... ... | 0 | — | 0 | — | 0 | — | 2 | 31 | 4 | 18 | 4 | 17 | 0 | — | 0 | — | 1 | 3 | 0 | — | 0 | — | 0 | — | 0 | 11 | 19 |
| 100... ... | 0 | — | 0 | — | 0 | — | 1 | 46 | 1 | 35 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 2 | 40 |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

### AUGUST 1959

This month was almost mild, the mean air temperature at 2 metres above ground and the mean relative humidity were slightly below normal (–0.3°C and – 3% respectively). On the 7th, maximum temperature reached 37.4°C (absolute maximum temperature during this month) and a short and rather warm spell has been distinguished.

The extreme maximum and minimum soil temperatures at different depths in different fields during this month showed no close relation as compared with the corresponding values of last August, though slight (+ ve or – ve) deviations (not exceeding 1.5°C) have been noticed.

For the month as a whole, the mean wind speed for the day at 2 metres above ground was 0.2 m/sec. higher, the mean Piche evaporation was 0.8 mms. less, and the total sunshine duration was 6.5 hours more than the corresponding values of last August.

## TABLE C 1.—AIR TEMPERATURE AT 2 METRES ABOVE GROUND ; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5 cms. ABOVE GROUND ON DIFFERENT FIELDS

### GIZA — AUGUST 1959.

| Date | Air temperature (°C) | | | | | Duration in hours of air temperature above the following values | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Mean of the day | Night time mean | Day time mean | —5 °C | 0°C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40 °C | 45°C |
| 1 | 34.7 | 21.9 | 27.3 | 25 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 8 | 0 | 0 | 0 |
| 2 | 36.9 | 22.3 | 28.1 | 26 | 31 | 24 | 24 | 24 | 24 | 24 | 24 | 14 | 10 | 3 | 0 | 0 |
| 3 | 36.1 | 22.9 | 28.0 | 26 | 31 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 9 | 2 | 0 | 0 |
| 4 | 33.9 | 20.2 | 26.3 | 25 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 14 | 8 | 0 | 0 | 0 |
| 5 | 33.5 | 20.4 | 26.1 | 24 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 7 | 0 | 0 | 0 |
| 6 | 32.8 | 18.2 | 25.4 | 23 | 29 | 24 | 24 | 24 | 24 | 24 | 22 | 14 | 7 | 0 | 0 | 0 |
| 7 | 37.4 | 19.3 | 28.2 | 23 | 32 | 24 | 24 | 24 | 24 | 24 | 23 | 15 | 11 | 5 | 0 | 0 |
| 8 | 34.2 | 22.2 | 27.2 | 26 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 8 | 0 | 0 | 0 |
| 9 | 32.9 | 20.9 | 26.6 | 24 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 8 | 0 | 0 | 0 |
| 10 | 34.8 | 21.1 | 27.3 | 25 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 8 | 0 | 0 | 0 |
| 11 | 34.2 | 21.5 | 27.1 | 25 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 7 | 0 | 0 | 0 |
| 12 | 34.2 | 22.4 | 27·3 | 25 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 7 | 0 | 0 | 0 |
| 13 | 35.0 | 21.0 | 27.0 | 25 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 9 | 0 | 0 | 0 |
| 14 | 36.0 | 20.4 | 27.2 | 25 | 31 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 9 | 3 | 0 | 0 |
| 15 | 36.6 | 21.6 | 27.6 | 26 | 31 | 24 | 24 | 24 | 24 | 24 | 24 | 17 | 10 | 2 | 0 | 0 |
| 16 | 33.9 | 20.9 | 26.6 | 25 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 7 | 0 | 0 | 0 |
| 17 | 34.4 | 18.9 | 26.6 | 24 | 30 | 24 | 24 | 24 | 24 | 24 | 23 | 16 | 8 | 0 | 0 | 0 |
| 18 | 32.7 | 21.5 | 26.4 | 26 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 6 | 0 | 0 | 0 |
| 19 | 32.9 | 19.2 | 25.9 | 24 | 29 | 24 | 24 | 24 | 24 | 24 | 23 | 16 | 6 | 0 | 0 | 0 |
| 20 | 31.8 | 18·6 | 25.2 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 22 | 13 | 5 | 0 | 0 | 0 |
| 21 | 31.5 | 20·0 | 25.2 | 23 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 3 | 0 | 0 | 0 |
| 22 | 31.6 | 19.9 | 25.2 | 23 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 14 | 4 | 0 | 0 | 0 |
| 23 | 32.1 | 20.9 | 26.1 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 14 | 6 | 0 | 0 | 0 |
| 24 | 34.0 | 20.0 | 26.6 | 24 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 14 | 8 | 0 | 0 | 0 |
| 25 | 33.4 | 21.9 | 26.6 | 25 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 14 | 7 | 0 | 0 | 0 |
| 26 | 33.2 | 21.7 | 26.6 | 24 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 8 | 0 | 0 | 0 |
| 27 | 35.0 | 20.4 | 26.8 | 24 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 8 | 0 | 0 | 0 |
| 28 | 33.9 | 20.1 | 26.6 | 24 | 30 | 24 | 24 | 24 | 24 | 24 | 24 | 16 | 8 | 0 | 0 | 0 |
| 29 | 33.9 | 18.2 | 25.4 | 25 | 29 | 24 | 24 | 24 | 24 | 24 | 23 | 16 | 8 | 0 | 0 | 0 |
| 30 | 32.9 | 19.2 | 25.2 | 23 | 29 | 24 | 24 | 24 | 24 | 24 | 23 | 14 | 7 | 0 | 0 | 0 |
| 31 | 32·8 | 18·4 | 24.9 | 23 | 29 | 24 | 24 | 24 | 24 | 24 | 22 | 13 | 5 | 0 | 0 | 0 |
| Total ... | — | — | — | — | — | 744 | 744 | 744 | 744 | 744 | 733 | 461 | 230 | 15 | 0 | 0 |
| Mean ... | 34.0 | 20.5 | 26.5 | 24.4 | 29.6 | 24 | 24 | 24 | 24 | 24 | 23.6 | 14.9 | 7.4 | 0.4 | 0 | 0 |

Highest maximum at 2 metres 37.4 °C on 7 th. Highest minimum at 2 metres 22.9 °C on 3rd.
Lowest „ „ „ 31.5 °C on 21 st. Lowest „ „ 2 „ 18.2 °C on 6th & 29th.
Absolute minimum temperature at 5 cms. above dry soil 15.5 °C on 6th&29th
„ „ „ „ „ wet „ 15.6 °C „ 29 th
„ „ „ „ „ grass 12.9 °C „ 29 th

## TABLE C 2.—WIND SPEED, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, (SOLAR + SKY) RADIATION, SUNSHINE DURATION, EVAPORATION AND RAINFALL

### GIZA— AUGUST 1959

| Date | Wind speed metres per second | | | Solar + sky radiation gm. cal./cm² | Duration of bright sunshine in hours | | | Relative humidity hours of duration | | Relative humidity % | | Vapour pressure in millimetres | | Evaporation in millimetres | | Amount of rainfall in millimetres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean of the day | Night time mean | Day time mean | | Total actual | Total possible | Percentage % | > 90% | > 80% | Mean of the day | at 1200 U.T. | Mean of the day | at 1200 U.T. | Piche | Pan class (A) | |
| 1 | 2.3 | 1.8 | 3.1 | 556 | 11.1 | 13.6 | 82 | 0 | 7 | 66 | 42 | 17.1 | 16.1 | 12.6 | 8.72 | 0 |
| 2 | 2.2 | 1.9 | 2.7 | 580 | 11.1 | 13.6 | 82 | 5 | 8 | 62 | 32 | 15.4 | 13.4 | 14.2 | 10.85 | 0 |
| 3 | 1.9 | 1.2 | 2.7 | 567 | 10.4 | 13.6 | 76 | 3 | 7 | 70 | 40 | 17.9 | 16.6 | 14.2 | 10.08 | 0 |
| 4 | 2.5 | 2.3 | 2.9 | 607 | 12.3 | 13.5 | 91 | 1 | 5 | 65 | 35 | 15.3 | 12.9 | 15.2 | 10.83 | 0 |
| 5 | 2.6 | 1.9 | 3.7 | 585 | 12.2 | 13.5 | 90 | 1 | 7 | 64 | 40 | 15.5 | 14.4 | 14.3 | 10.48 | 0 |
| 6 | 2.4 | 1.4 | 3.9 | 599 | 11.8 | 13.5 | 87 | 2 | 8 | 66 | 45 | 16.3 | 15.8 | 12.7 | 9.72 | 0 |
| 7 | 1.7 | 1.3 | 2.4 | 556 | 11.4 | 13.5 | 84 | 4 | 8 | 60 | 34 | 16.3 | 15.1 | 13.2 | 10.85 | 0 |
| 8 | 2.2 | 1.0 | 3.9 | 579 | 11.9 | 13.4 | 89 | 0 | 4 | 68 | 41 | 17.1 | 15.9 | 14.2 | 11.04 | 0 |
| 9 | 2.2 | 1.8 | 2.8 | 574 | 11.7 | 13.4 | 87 | 0 | 7 | 62 | 41 | 15.7 | 13.9 | 12.3 | 8.21 | 0 |
| 10 | 2.2 | 1.8 | 2.7 | 579 | 11.9 | 13.4 | 89 | 3 | 8 | 63 | 33 | 15.4 | 12.8 | 14.7 | 10.29 | 0 |
| 11 | 2.2 | 1.9 | 2.5 | 572 | 11.8 | 13.4 | 88 | 1 | 7 | 59 | 29 | 13.8 | 11.0 | 13.3 | 9.75 | 0 |
| 12 | 2.0 | 1.7 | 2.5 | 571 | 11.9 | 13.3 | 89 | 5 | 9 | 65 | 34 | 15.6 | 12.9 | 12.7 | 9.39 | 0 |
| 13 | 1.9 | 1.2 | 3.0 | 590 | 12.3 | 13.3 | 92 | 4 | 8 | 65 | 31 | 15.2 | 11.7 | 14.4 | 9.99 | 0 |
| 14 | 2.2 | 1.6 | 3.0 | 548 | 10.1 | 13.3 | 76 | 4 | 8 | 71 | 30 | 16.4 | 12.8 | 13.4 | 9.70 | 0 |
| 15 | 2.0 | 1.1 | 3.3 | 555 | 11.0 | 13.3 | 83 | 5 | 9 | 72 | 35 | 17.5 | 14.7 | 14.4 | 11.87 | 0 |
| 16 | 2.6 | 2.2 | 3.0 | 556 | 10.9 | 13.2 | 83 | 5 | 8 | 64 | 43 | 16.2 | 16.3 | 12.3 | 9.45 | 0 |
| 17 | 1.9 | 1.4 | 2.8 | 559 | 11.8 | 13.2 | 89 | 4 | 7 | 64 | 37 | 16.1 | 13.9 | 13.9 | 9.35 | 0 |
| 18 | 2.4 | 2.0 | 2.9 | 524 | 11.6 | 13.2 | 88 | 3 | 8 | 68 | 42 | 16.3 | 14.4 | 12.9 | 9.81 | 0 |
| 19 | 2.1 | 1.7 | 2.7 | 543 | 11.5 | 13.2 | 87 | 2 | 6 | 65 | 34 | 15.0 | 12.2 | 12.6 | 9.27 | 0 |
| 20 | 2.3 | 1.5 | 3.5 | 555 | 11.9 | 13.1 | 91 | 3 | 7 | 58 | 46 | 14.8 | 14.8 | 12.9 | 10.64 | 0 |
| 21 | 2.3 | 1.5 | 3.5 | 559 | 11.2 | 13.1 | 85 | 2 | 8 | 65 | 44 | 15.1 | 13.9 | 12.3 | 10.04 | 0 |
| 22 | 1.9 | 1.0 | 3.1 | 542 | 11.4 | 13.1 | 87 | 0 | 8 | 68 | 41 | 15.5 | 13.4 | 12.0 | 9.45 | 0 |
| 23 | 1.8 | 1.2 | 2.8 | 530 | 11.2 | 13.1 | 85 | 2 | 8 | 66 | 47 | 16.5 | 15.9 | 12.0 | 8.51 | 0 |
| 24 | 3.3 | 1.9 | 5.2 | 560 | 11.5 | 13.0 | 88 | 4 | 7 | 60 | 37 | 14.9 | 13.9 | 15.1 | 10.20 | 0 |
| 25 | 1.7 | 0.8 | 3.0 | 539 | 10.4 | 13.0 | 80 | 4 | 9 | 66 | 34 | 15.3 | 12.5 | 12.1 | 9.27 | 0 |
| 26 | 2.0 | 1.4 | 2.8 | 566 | 11.5 | 13.0 | 88 | 5 | 8 | 60 | 36 | 14.6 | 13.2 | 12.9 | 9.87 | 0 |
| 27 | 1.7 | 1.1 | 2.5 | 548 | 10.6 | 12.9 | 82 | 1 | 8 | 67 | 37 | 16.5 | 14.5 | 11.7 | 9.62 | 0 |
| 28 | 1.6 | 1.3 | 2.0 | 564 | 11.6 | 12.9 | 90 | 3 | 8 | 60 | 27 | 13.4 | 10.4 | 12.6 | 9.07 | 0 |
| 29 | 1.9 | 1.4 | 2.6 | 553 | 11.6 | 12.9 | 90 | 1 | 8 | 62 | 30 | 13.8 | 11.1 | 13.1 | 10.80 | 0 |
| 30 | 1.8 | 1.3 | 2.6 | 547 | 11.6 | 12.9 | 90 | 4 | 8 | 67 | 28 | 13.7 | 9.8 | 13.3 | 9.74 | 0 |
| 31 | 1.8 | 1.1 | 2.7 | 499 | 10.3 | 12.8 | 80 | 2 | 9 | 69 | 35 | 14.9 | 12.2 | 12.3 | 8.69 | 0 |
| TOTAL ... | — | — | — | 17362 | 353.5 | 410.2 | 2668 | 83 | 235 | — | — | — | — | 409.8 | 305.55 | 0 |
| Mean ... | 2.1 | 1.5 | 3·0 | 560.0 | 11.4 | 13.2 | 86 | 2.7 | 7.6 | 65 | 37 | 15.6 | 13.6 | 13.2 | 9.86 | 0 |

**Maximum amount of rainfall in one day** ..... 0 mms.
**Lowest value of relative humidity** ..... 21 % on 27th
**Highest value of vapour pressure** ..... 21.1 mms. on 15th.
**Lowest value of vapour pressure** ..... 10·4 mms. on 26th & 28th

## TABLE C 3.—EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

### GIZA—AUGUST 1959

| Depth in cms. | Dry soil | | Wet soil | | Grass | |
|---|---|---|---|---|---|---|
| | Highest °C | Lowest °C | Highest °C | Lowest °C | Highest °C | Lowest °C |
| 0.3 | 61·0 | 19.2 | 37.0 | 18.4 | 36.1 | 22.6 |
| 1 | 58.2 | 20.6 | 36.0 | 19.1 | — | — |
| 2 | 52.8 | 23·1 | 35.1 | 19.1 | — | — |
| 5 | 44.5 | 26.5 | 33.4 | 21.1 | 30.3 | 23.0 |
| 10 | 38.6 | 30.7 | 32.4 | 24.0 | 28.9 | 24.0 |
| 20 | 32.7 | 29.4 | 29.4 | 25.5 | 28.2 | 25.5 |
| 50 | 33.1 | 32.4 | 26.9 | 26.0 | 28.2 | 27.2 |
| 100 | 31.4 | 30.7 | 25.3 | 24.5 | 26.7 | 25.9 |
| 200 | 28.8 | 27.6 | 23.5 | 22.6 | — | — |
| 300 | 26.4 | 25.4 | — | — | — | — |

## TABLE C 4.—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES REACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

### GIZA—AUGUST 1959

10 Knots or more ... 12 Days.
15 „ „ ... 0 „
20 „ „ ... 0 „
25 „ „ ... 0 „
30 Knots or more ... 0 Days.
35 „ „ ... 0 „
40 „ „ ... 0 „
The highest gust 18 knots on 12th, 22nd & 24th.

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UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 9

## SEPTEMBER, 1959

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MINISTRY OF WAR–METEOROLOGICAL DEPARTMENT
CAIRO–EGYPT

UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 9

## SEPTEMBER, 1959

MINISTRY OF WAR—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

# CONTENTS


PAGE

General Summary of Weather Conditions ... ... ... ... ... ... ... ... ... ... 513–515

**Surface Data**

TABLE A 1.—Monthly Mean Values of Atmospheric Pressure, Air Temperature and Relative Humidity at Fixed Hours... ... ... ... ... ... ... ... ... 516,517

„ A 2.—Maximum and Minimum Air Temperatures (°C) ... ... ... ... ... ... 518,519

„ A 3.—Rainfall, Snow, Bright Sunshine, Cloudiness and Evaporation ... ... ... 520,521

„ A 4.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... 522

„ A 5.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... ... ... .. ... 523–525

„ A 6.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours ... ... ... 526–558

**Upper Air Data**

TABLE B 1.—Upper Air Climatological Data ... ... ... ... ... ... ... ... ... ... 559–562

„ B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air ... ... ... ... ... ... ... 563,564

„ B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. 565–571

**Agro-Meteorological Data**

Review of Agro-Meteorological Station at Giza ... ... ... ... ... ... 572

TABLE C 1.—Air Temperature at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5cms. above Ground on Different Fields ... ... ... 573

„ C 2.—Wind Speed, Relative Humidity and Vapour Pressure at 2 Metres above the Ground, (Solar + Sky) Radiation, Sunshine Duration, Evaporation and Rainfall ... ... ... ... ... ... ... ... ... ... ... ... ... ... 574

„ C 3.—Extreme Soil Temperatures at Different Depths in Different Fields ... ... 575

„ C 4.—Number of Days of Surface Wind Speed at 10 Metres Reaching Specified Limits of Velocity for at Least 5 Minutes ... ... ... ... ... ... ... 575


*Note.*—Refer to volume 2 number 1 for the list of stations appearing in the report and for explanatory notes on the tables.

# GENERAL SUMMARY OF WEATHER CONDITIONS

## SEPTEMBER 1959

**Northern Region: Rather cold in general. Two short periods characterized with occasional rain and thunder in the western districts.**

**Southern Region: Mild in the north, hot and changeable in the extreme south. An abnormal hot spell round the 8th.**

---

### THE MAIN FEATURES

- Two pronounced rather cold waves round periods (9th – 15th) and (19th–25th). A prevailing hot spell round the 8th in the Southern Region.
- Occasional rain and thunder over west Syria within the prevailing rather cold periods.
- Oscillatory pressure field. Six consecutive oscillations of the Arabian Monsoon.
- Local rising dust and sand over loose dust and desert areas of both Regions during several days.

### GENERAL DESCRIPTION OF WEATHER

The prevailing weather was rather cold in the Northern Region particularly round the periods (9th–14th) and (21st–24th) during which light scattered thundery rain was reported over the Coastal and the Western Inland districts. In the Southern Region, the prevailing weather was mild in general in the northern districts but hot and changeable in the extreme southern districts.

The monthly district station ground barometric pressure was slightly below normal, and its departure did not exceed 1.5 mb.

The monthly district relative humidity was slightly below normal with the exception of the Upper Egypt district where it slightly exceeded its normal, and its departure from normal values in general did not exceed 7%.

The monthly district maximum and minimum temperatures were slightly below normal and practical departures below normal did not exceed 2.5°C.

The monthly district rainfall was slightly above normal over the Coastal, Western Inland, El Gezeira and North Eastern districts, but was rather normal over the Desert district of Syria, the Mediterranean and Lower Egypt districts of Egypt.

The mean daily relative humidity for the month in the Northern Region was 66% at Jableh, 46% at Aleppo, 42% at Damascus, 62% at Homs, 32% at Deir Ezzor and 23% at Qamishlie. In the Southern Region it was 62% at Mersa Matruh, 64% at Alexandria, 66% at Port Said, 60% at both Tanta and Cairo, 61% at Almaza, 64% at Minya, 42% at Asyout, 35% at Luxor, 44% at Siwa and 42% at Suez.

### PRESSURE DISTRIBUTION

The most characteristic pressure systems of this month can be summarized into :

- A high pressure system over Northern Europe and extending southeastwards towards the Western Desert of Egypt.
- The monsoon low pressure systems over Central Africa and the Arabian Gulf.
- The deep low pressure systems north the Black and Caspian Seas which extended aloft up to more than the 500 mb. level.

During this month, the barometric pressure over East Mediterranean in general and the United Arab Republic in particular oscillated slightly round the normal and its monthly trend showed six consecutive oscillations with their minima round the 1st, 7th, 12th, 19th, 25th, and 29th over the Mediterranean Egyptian coastal areas. These oscillations were mainly due to the extension of the complex monsoon low of the Arabian Gulf which was occupying Iraq, Arabia and Sudan either northwestwards through Asia Minor and Greece as occurred in

the 1st, 2nd and 5th oscillations or northwards through the Black and Caspian Seas Regions as occurred in the 3rd, 4th and 6th oscillations. The Central Africa monsoon low elongations were related simultaneously with the Arabian monsoon low extensions. Practically it showed three northeastward elongations through Central Mediterranean during the former three oscillations while it showed three northward elongations through Spain and South France during the latter three oscillations.

The 500 mb. flow pattern through the middle latitudes (30°N–50°N) was interrupted during these six oscillations by well defined southward extended upper troughs or secondary upper closed lows.

The prevailing high pressure system during this month was displaced occasionally through West Russia, the Black and Caspian Seas vicinities; though it was hardly tilted through the Western Desert and East Mediterranean Regions where the barometric pressure showed minor variabilities.

## SURFACE WIND

### NORTHERN REGION

The prevailing winds were generally light/moderate W/SWly over the Coastal and the Western Inland districts and N/NWly elsewhere. Moderate to fresh winds were reported infrequently particularly in the Coastal district round the 16th, 13th and 30th.

No gales were reported during the month in the Region.

### SOUTHERN REGION

Light/moderate N/NW winds prevailed generally most of the month. Fresh winds were occasionally reported for few days over few scattered parts of the Mediterranean district and for about 10 days of the month in the Red Sea district. Calms were frequent during the night and early morning intervals of this month in the extreme southern parts.

Gales were reported at Quseir on the 10th and 22nd.

## TEMPERATURE

Maximum temperature showed small variability during this month over the Mediterranean coastal districts of the Republic and it oscillated slightly (2°–4°C) below normal. As an exception, a pronounced hot spell was marked round the 8th over the Mediterranean Egyptian district.

Over the interior districts of the Republic maximum temperature showed rather moderate variability (3°–7°C) in general, particularly in the North Eastern district of the Northern Region; and it oscillated generally below normal with the exception of the Middle and Upper Egypt districts where it continued excessively above its normal round the periods (1st–10th) and (16th–21st).

The absolute maximum temperature for the Northern Region was 39.5°C reported at Malkieh (North Eastern district) on the 3rd and reported at El Himmeh (far SW part of the Western Inland district) on the 24th, while its corresponding value for the Southern Region was 46.5 °C at Aswan on the 8th.

Minimum temperature showed moderate variability (3°–7°C) in general over both Regions, though it oscillated slightly (2°–4°C) above normal most of the first third of the month over the Mediterranean coastal and precoastal districts while it oscillated below normal for the rest part of the month. Over the interior districts minimum temperature oscillated to a moderate extent (3°–7°C) below its normal.

The absolute minimum temperature during this month for the Northern Region was 1.2°C reported at Madaya (mountain station over the Western Inland district) on the 18th, while its corresponding value for the Southern Region was 11.0°C at Dakhla on the 24th.

## PRECIPITATION

Rainfall was confined to the Coastal and the Western Inland districts of the Northern Region particularly in the windward sides of high grounds. Two rainy intervals were characterized round the periods (9th–15th) and (19th–22nd). The maximum monthly rainfall (102.1 mms.) was reported at Haffeh (mountain station in the Coastal district) and the maximum rainfall in 24 hours was 63.8 mms. reported at Ein Sheikh Bader (mountain station on the windward side of the Coastal district) on the 20th. Over the Southern Region no measurable rainfall was reported during this month apart from 0.8 mm. at Salhum and 1.1 mm. at Ghazza.

## MISCELLANEOUS WEATHER PHENOMENA

### NORTHERN REGION

*Hail* fell over Jableh on the 13th.

*Thunderstorms* occurred at Jableh on the 13th; Hama on the 13th & 20th; and at Fiq, Palmyra & Qamishlie on the 21st.

*Mist patches* developed at Damascus on the 1st and at Palmyra on the 18th & 20th.

*Sand or duststorms* blew over Raqqa on the 8th & 14th.

*Local rising sand or dust* was reported at Damascus on the 4th, 10th & 14th; Tell Shihab on the 9th; Palmyra on the 4th, 8th, 26th, 27th & 29th; Deir Ezzor on the (2nd – 5th), 8th, 14th, 21st, 23rd & 30th; and at Raqqa on the 1st, 2nd, 4th, 5th, 8th, 11th, 13th, 14th, 15th & 30th.

### SOUTHERN REGION

*Fog patches* developed at Cairo on the 7th.

*Mist patches* developed at Port Said on the 29th & 30th; Abu Sueir on the 1st, 8th, 10th & 22nd; Cairo on the (1st-7th), 9th, 10th, 19th, 21st, 23rd & 29th; Almaza on the 1st, 2nd, 4th, 7th & 9th; Abbasiya on the 1st; and at Mostafa Helmi on the 1st, 4th, 6th, 7th, 9th, 17th, 18th, 19th & 29th.

*Local rising sand or dust* was reported at Mersa Matruh on the 3rd & 22nd; Abu Sueir on the 5th, 9th & 11th; Mostafa Helmi on the 2nd, 5th, 8th, 10th, 11th, & 21st; and at Quseir on the 10th & 22nd.

Cairo, April 1961.

M.F. Taha
*Director General*
*Meteorological Department*

## TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

## SEPTEMBER 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jebleh (A) ... | 12 | 1007.7 | — | 1008.1 | — | 1007.8 | — | 1008.1 | — | 21.5 | —1.5 | 25.1 | —0.2 | 26.9 | —1.9 | 24.1 | —1.0 | 71 | — 3 | 63 | — 4 | 63 | 0 | 69 | — 3 |
| | Bouka ... ... ... | 50 | — | — | — | — | — | — | — | — | 20.9 | — | 24.6 | — | 27.5 | — | 22.9 | — | 78 | — | 70 | — | 60 | — | 78 | — |
| | Tartous ... ... ... | 15 | — | — | — | — | — | — | — | — | 21.1 | — | 25.1 | — | 27.6 | — | 23.5 | — | 77 | — | 66 | — | 58 | — | 73 | — |
| WESTERN INLAND | Damascus (A) ... | 724 | 929.0 | —0.1 | 929.8 | —0.4 | 928.5 | +0.1 | 928.5 | —0.3 | 18.1 | —0.9 | 20.5 | —2.1 | 29.1 | —2.4 | 23.0 | —1.9 | 52 | — 1 | 54 | + 3 | 25 | 0 | 37 | — 1 |
| | Aleppo (A) ... | 391 | 963.7 | —0.6 | 964.5 | —0.3 | 962.6 | —0.8 | 963.6 | — 0.4 | 18.0 | —2.0 | 22.2 | —1.1 | 30.1 | —2.6 | 22.7 | —2.5 | 63 | + 2 | 53 | — 1 | 23 | — 6 | 43 | — 2 |
| | Hama (A) ... | 313 | 972.4 | — | 973.1 | — | 971.2 | — | 972.4 | — | 18.8 | — | 23.2 | — | 30.9 | — | 23.0 | — | 63 | — | 53 | — | 26 | — | 48 | — |
| | Homs ... ... ... ... | 487 | — | — | — | — | — | — | — | — | 17.4 | —1.8 | 22.2 | —0.5 | 28.0 | —2.2 | 20.2 | —1.1 | 79 | + 8 | 62 | + 1 | 37 | — 2 | 70 | + 6 |
| | Kharabo ... ... ... | 620 | — | — | — | — | — | — | — | — | 12.7 | — | 20.1 | — | 30.8 | — | 20.7 | — | 85 | — | 62 | — | 27 | — | 53 | — |
| | Salamiyie ... ... ... | 500 | — | — | — | — | — | — | — | — | 16.0 | — | 23.1 | — | 30.1 | — | 21.3 | — | 79 | — | 56 | — | 32 | — | 62 | — |
| | Meselmiyie ... ... | 425 | — | — | — | — | — | — | — | — | 17.8 | — | 23.7 | — | 29.8 | — | 22.0 | — | 59 | — | 46 | — | 27 | — | 51 | — |
| | Fiq ... ... ... ... | 337 | 972 3 | — | 972.4 | — | 971.0 | — | 971.6 | — | 19.4 | — | 21.2 | — | 27.7 | — | 22.9 | — | 77 | — | 69 | — | 41 | — | 64 | — |
| | Tell Shihab ... ... | 250 | — | — | — | — | — | — | — | — | 16.8 | — | 21.9 | — | 29.2 | — | 21.5 | — | 84 | — | 72 | — | 40 | — | 67 | — |
| DESERT | Palmyra (A) ... | 404 | 964.0 | — | 964.9 | — | 963.1 | — | 963.6 | — | 19.5 | — | 20.2 | —1.3 | 31.1 | —2.0 | 25.4 | —1.4 | 63 | — | 59 | + 1 | 19 | — 3 | 30 | + 3 |
| EL GEZEIRA | Deir Ezzor (A) .. | 204 | 984.9 | — | 986.0 | — | 984.7 | — | 984.9 | — | 21.4 | —1.9 | 23.9 | —1.9 | 33.2 | —2.1 | 25.6 | —3.2 | 41 | + 1 | 40 | — 3 | 17 | — 4 | 29 | + 1 |
| | Raqqa ... ... ... | 251 | 978.3 | — | 979.6 | — | 977.2 | — | 977.8 | — | 18.3 | — | 21.7 | — | 32.1 | — | 24.3 | — | 52 | — | 46 | — | 18 | — | 34 | — |
| NORTH EASTERN | Qamishlie (A) ... | 466 | 955.3 | —1.1 | 956.1 | —1.1 | 954.6 | —1.5 | 955.2 | —1.1 | 20.6 | —2.3 | 24.8 | —2.1 | 32.9 | —2.2 | 24.5 | —2.4 | 30 | — 6 | 25 | — 8 | 14 | — 7 | 23 | + 7 |
| | Tell tamer ... ... ... | 335 | — | — | — | — | — | — | — | — | 16.1 | — | 22.1 | — | 31.8 | — | 22.8 | — | 50 | — | 43 | — | 14 | — | 38 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum ... ... ... | 04 | 1013.2 | — | 1013.5 | —0.1 | 1013.5 | +0.5 | 1013.7 | +0.3 | 21.9 | — | 23.4 | —1.8 | 27.5 | —0.8 | 24.2 | —1.0 | 76 | — | 66 | 0 | 54 | — 4 | 67 | — 3 |
| | Sidi Barrani ... ... | 21 | 1010.6 | —0.2 | 1011.0 | —0.2 | 1010.9 | —0.2 | 1011.1 | 0.0 | — | — | 24.2 | —0.5 | 27.0 | —0.5 | 24.0 | —0.9 | — | — | 64 | — 6 | 55 | — 9 | 65 | — 8 |
| | Mersa Matruh (A) ... | 31 | 1009.4 | —0.3 | 1009.7 | —0.2 | 1009.7 | 0.0 | 1010.1 | +0.1 | 20.8 | —0.6 | 24.0 | —0.5 | 26.9 | —0.7 | 23.5 | —1.1 | 70 | — 9 | 61 | —11 | 52 | —10 | 64 | —10 |
| | Dabaa ... ... ... | 17 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Alexandria (A) ... | — 3 | 1012.8 | +0.2 | 1013.2 | +0.2 | 1012.9 | +0.2 | 1013.5 | +0.4 | 22.3 | —0.4 | 25.3 | —0.8 | 28.0 | —0.7 | 24.0 | —0.6 | 71 | —11 | 65 | — 4 | 57 | — 1 | 65 | — 9 |
| | Dekheila (A) ... | 01 | 1012.8 | — | 1013.0 | —0.7 | 1012.9 | —0.6 | 1013.3 | — | 22.6 | — | 25.1 | —0.5 | 27.5 | +0.8 | 24.2 | — | 72 | — | 65 | —11 | 57 | —19 | 68 | — |
| | Damietta ... ... ... | 03 | 1012.4 | — | 1012.5 | 0.0 | 1012.0 | +0.3 | 1012.6 | +0.6 | 20.6 | — | 24.6 | —1.2 | 26.8 | —0.8 | 23.9 | —0.8 | 79 | — | 70 | — 1 | 59 | — 3 | 74 | — 3 |
| | Port Said (A) ... | 01 | 1011.4 | —0.2 | 1011.9 | —0.3 | 1011.4 | —0.2 | 1011.9 | 0.0 | 23.9 | —1.2 | 24.9 | —1.4 | 27.1 | —1.2 | 24.9 | —1.2 | 71 | — 4 | 68 | — 2 | 59 | — 4 | 68 | — 5 |
| | El Arish ... ... ... | 10 | 1009.4 | 0.0 | 1009.8 | —1.4 | 1009.1 | —1.2 | 1009.8 | — 0.9 | 21.6 | —1.3 | 25.0 | — 2.0 | 28.1 | —0.1 | 24.7 | —0.9 | 81 | 0 | 68 | + 1 | 60 | — 6 | 71 | — 2 |
| | Ghazza ... ... ... | 10 | 1009.4 | — | 1010.1 | — | 1009.2 | — | 1009.6 | — | 22.1 | — | 25.0 | — | 26.5 | — | 25.0 | — | 85 | — | 75 | + 4 | 78 | — | 84 | — |

TABLE A 1 (*contd.*)—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

## SEPTEMBER 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... | 06 | 1012.3 | — | 1012.1 | —0.7 | 1011.9 | —0.1 | 1012.1 | —0.3 | 19.3 | — | 22·8 | —2.1 | 28.8 | —1.2 | 22.3 | —1.7 | 88 | — | 79 | + 3 | 53 | + 1 | 80 | + 1 |
| | Mansoura ... ... ... | 08 | 1011.2 | — | 1011.4 | —0.9 | 1010.3 | —0.7 | 1011.5 | —0.4 | 20.0 | — | 24.3 | —0.5 | 30.7 | —0.9 | 23.8 | —0.6 | 80 | — | 70 | — 4 | 43 | — 1 | 70 | — 4 |
| | Tanta ... ... ... ... | 14 | 1010.5 | — | 1010.6 | —1.2 | 1009.7 | —1.0 | 1010.9 | —0.4 | 18.6 | — | 24.0 | —0.2 | 31.1 | —0.5 | 22.6 | —1.0 | 84 | — | 69 | —11 | 41 | — 4 | 70 | — 7 |
| | Shebin el Kom ... ... | 12 | 1010.3 | — | 1011.0 | —0.5 | 1009.4 | —0.9 | 1010.5 | —0.4 | 19.3 | — | 21.1 | —3.1 | 29.9 | —2.3 | 22.9 | —2.1 | 88 | — | 82 | + 7 | 37 | — 4 | 72 | + 4 |
| | Zagazig ... ... ... | 12 | 1011.2 | — | 1011.4 | —0.4 | 1009.7 | —0·8 | 1011.0 | —0.7 | 19.8 | — | 22.1 | —3.1 | 30.5 | —1.2 | 23.9 | —0.4 | 88 | — | 81 | + 3 | 44 | — 5 | 70 | — 6 |
| | Zaher ... ... (A) ... | 30 | 1007.5 | — | 1007.8 | — | 1006.5 | — | 1007.5 | — | 20.5 | — | 23.3 | — | 30.2 | — | 24.4 | — | 79 | — | 69 | — | 38 | — | 62 | — |
| | Wadi el Natrun ... | —1 | 1013.6 | — | 1013.6 | +0.9 | 1011.9 | +1.1 | 1013.5 | +1.5 | 19 6 | — | 23.0 | —1.4 | 31.2 | —1.8 | 24.1 | —3.2 | 78 | — | 67 | — 7 | 31 | — 6 | 60 | + 1 |
| | Abu Sueir ... (A) ... | 14 | 1010.2 | — | 1010.7 | — | 1009.0 | — | 1010.4 | — | 20.7 | — | 23.7 | — | 31.2 | — | 24.8 | — | 82 | — | 72 | — | 25 | — | 64 | — |
| Cairo Area | Cairo ... ... (A) ... | 95 | 1001.0 | —0.6 | 1001.5 | —0.7 | 999.9 | —1.0 | 1001.3 | —0.4 | 20.8 | —1.1 | 23.2 | —0.4 | 30.5 | —0.9 | 25.1 | —1.6 | 81 | 0 | 69 | — 5 | 34 | — 3 | 57 | + 1 |
| | Almaza ... (A) ... | 79 | 1002.6 | —0.5 | 1003·1 | —0.9 | 1001.5 | —0.8 | 1001.7 | —1.3 | 21.0 | —1.3 | 23.0 | —0.4 | 30.6 | —0.7 | 25.3 | —1.7 | 76 | — 6 | 73 | — 3 | 39 | — 2 | 57 | + 1 |
| | Abbasiya (H.Q.) ... | 33 | 1008.5 | — | 1008.9 | — | 1007.5 | — | 1003.5 | — | 20.8 | — | 23.7 | — | 30.6 | — | 24.9 | — | 82 | — | 69 | — | 38 | — | 60 | — |
| | Mostafa Helmi (A) ... | 163 | 993.3 | — | 993.8 | — | 992.3 | — | 993.6 | — | 19.5 | — | 21.9 | — | 29.4 | — | 24.3 | — | 82 | — | 72 | — | 35 | — | 56 | — |
| | Giza ... ... ... ... | 21 | 1010.0 | — | 1010.3 | +0.1 | 1008.8 | 0.0 | 1009.6 | 0.0 | 20.1 | — | 23.0 | —0.4 | 29.9 | —1.6 | 25.0 | —0.5 | 90 | — | 71 | — 8 | 38 | — 3 | 56 | — 7 |
| | Helwan ... ... ... | 112 | — | — | 999.6 | —0.6 | 997.8 | —0.6 | 998.7 | —0.8 | — | — | 22·7 | —0.8 | 30.4 | —1.1 | 25.8 | —1.4 | — | — | 69 | 0 | 31 | 0 | 51 | + 4 |
| Upper Egypt | Fayoum ... ... ... | 30 | 1009.6 | — | 1009.7 | —0.1 | 1007.8 | 0.0 | 1008.9 | +0.5 | 20.4 | — | 24.0 | —0.2 | 31.6 | —0.6 | 25.8 | —0.8 | 80 | — | 67 | — 4 | 31 | — 2 | 53 | 0 |
| | Beni Suef ... ... ... | 28 | 1008.6 | — | 1008.9 | 0.0 | 1007.9 | +0.9 | 1007.2 | —0.4 | 20.5 | — | 20.5 | —4.8 | 31.7 | —2.6 | 26.1 | —0.6 | 87 | — | 91 | +24 | 41 | +11 | 56 | + 4 |
| | Minya ... ... (A) ... | 39 | 1006.0 | —1·7 | 1006.8 | —1.0 | 1005.4 | —1.0 | 1005.2 | —1.2 | 20.3 | —0.9 | 22.3 | —1.4 | 31.6 | —1.4 | 24.5 | —0.6 | 80 | + 8 | 78 | + 6 | 33 | + 4 | 60 | + 3 |
| | Asyout ... (A) ... | 71 | 1002.0 | —0.1 | 1003.4 | —0.3 | 1001.0 | —0.5 | 1001.5 | —0.6 | 22.5 | —1.0 | 22.8 | —1.5 | 32.8 | —1.6 | 27.3 | —1.2 | 49 | — 3 | 57 | — 3 | 25 | + 2 | 35 | 0 |
| | Nag Hammadi ... ... | 69 | 1001.7 | — | 1003.1 | —0.1 | 1001.9 | +0.9 | 1001.6 | +0.2 | 21.7 | — | 24.0 | —2.6 | 33.5 | —0.6 | 27.3 | +0.2 | 67 | — | 72 | +14 | 46 | +12 | 60 | + 7 |
| | Qena ... ... ... ... | 73 | 1000.1 | — | 1002.0 | —0.1 | 999.7 | —0.1 | 1000.0 | —0.1 | 24.9 | — | 25.3 | —2.2 | 33.4 | —3.4 | 30.0 | 0·0 | 51 | — | 65 | +13 | 44 | +16 | 45 | + 7 |
| | Luxor ... ... (A) ... | 95 | 997.2 | —0.9 | 998.8 | —0.8 | 996.6 | —0.9 | 996.8 | —1.0 | 24.2 | —0.5 | 27.9 | —0.7 | 36.0 | —0.8 | 29.7 | —0.9 | 44 | + 4 | 41 | + 1 | 21 | + 1 | 35 | + 3 |
| | Aswan ... ... ... | 104 | 995.4 | — | 996.8 | —0.8 | 994.1 | —1.1 | 994.6 | —1.3 | 25.6 | — | 29.0 | +0.2 | 33.5 | 0.0 | 31.7 | —2.3 | 38 | — | 35 | — 1 | 17 | — 2 | 23 | 0 |
| Western Desert | Siwa ... ... ... ... | —15 | 1015.2 | —0.1 | 1016.0 | —0.3 | 1014.4 | —0.3 | 1014.3 | 0.0 | 22.1 | —1.1 | 22.5 | —0.8 | 32.9 | —0.8 | 28.4 | —0.9 | 56 | — 1 | 62 | — 3 | 26 | 0 | 32 | — 1 |
| | Bahariya ... ... ... | 128 | 998.0 | — | 998.7 | —0.9 | 996.5 | —1.6 | 997.1 | —1.4 | 20.4 | — | 21.4 | —2.4 | 32.4 | —0.2 | 27.0 | —0.2 | 66 | — | 70 | + 2 | 27 | — 8 | 36 | — 9 |
| | Farafra ... ... ... | 90 | 1003.1 | — | 1004.2 | +0.3 | 1002.1 | —0.6 | 1002.4 | —0.3 | 21.7 | — | 22.5 | —2.4 | 32.8 | —1.2 | 28.0 | +0.2 | 33 | — | 41 | —14 | 16 | —12 | 18 | —18 |
| | Dakhla ... ... ... | 110 | 998.8 | — | 999.9 | +1.1 | 998.5 | +1.9 | 998.2 | +0.8 | 23.1 | — | 25.1 | —1.2 | 34.4 | 0.0 | 29.1 | —0.5 | 35 | — | 40 | — 1 | 16 | — 6 | 22 | — 5 |
| | Kharga ... ... ... | 72 | 1001.6 | — | 1002.6 | —1.1 | 1000.9 | —1.1 | 1001.1 | —1.3 | 23.2 | — | 25.4 | —1.5 | 35.1 | —0.5 | 28.2 | —2.2 | 42 | — | 45 | — 3 | 21 | — 7 | 28 | — 4 |
| Red Sea | Suez ... ... ... ... | 05 | 1011.0 | — | 1011.6 | —0.5 | 1010.2 | —0.7 | 1010.7 | —0.3 | 22.6 | — | 23.6 | —1.2 | 31.0 | —1.2 | 26.2 | —0.8 | 75 | — | 74 | + 2 | 37 | — 1 | 58 | — 1 |
| | Tor ... ... ... ... | 03 | 1007.3 | — | 1008.9 | —0.5 | 1007.2 | —1.0 | 1007.4 | —0.7 | 24.8 | — | 26.2 | —1.1 | 29.0 | —0.9 | 27.8 | —1.3 | 61 | — | 59 | — 8 | 53 | —10 | 52 | — 9 |
| | Hurghada ... ... ... | 01 | 1008.3 | +0.9 | 1009.6 | +0.6 | 1007.5 | +0.2 | 1008.1 | +0.5 | 24.1 | —1.5 | 26.8 | —0.3 | 30.0 | +0.5 | 27.3 | —0.9 | 50 | — 6 | 54 | — 8 | 47 | —17 | 49 | — 6 |
| | Quseir ... ... ... | 08 | 1006.6 | — | 1008.1 | —0.5 | 1006.6 | —1.3 | 1006.8 | —1.0 | 26.0 | — | 28.2 | —1.3 | 29.4 | —1.4 | 26.8 | —1.7 | 45 | — | 44 | — 6 | 54 | — 6 | 53 | — 5 |

## TABLE A 2.—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

## SEPTEMBER 1959

| District | Station | Maximum temperature | | Minimum temperature | | (A + B) /2 | Maximum temperature | | | | | | | | | Minimum temperature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean (A) | Deviation from normal | Mean (B) | Deviation from normal | | Highest | Date | Lowest | Date | Number of days with maximum temperature | | | | | Highest | Date | Lowest | Date | Number of days with minimum temperature | | | |
| | | | | | | | | | | | >25° | >30° | >35° | >40° | >45° | | | | | <10° | < 5° | < 0° | -5° |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh ... ... (A) ... ... ... ... | 27.5 | —2.2 | 20.2 | —1.0 | 23.9 | 30.0 | 6 | 25.6 | 14 | 30 | 0 | 0 | 0 | 0 | 26.0 | 9 | 15.6 | 24 | 0 | 0 | 0 | 0 |
| | Bouka ... ... ... ... ... ... ... | 28.1 | — | 19.4 | — | 23.7 | 31.5 | 5 | 25.0 | 11 | 30 | 7 | 0 | 0 | 0 | 23.0 | * | 15.5 | 23 | 0 | 0 | 0 | 0 |
| | Tartous ... ... ... ... ... ... ... | 28.2 | — | 20.0 | — | 24.1 | 32.0 | 24 | 25.0 | 21 | 30 | 3 | 0 | 0 | 0 | 26.3 | 9 | 17.0 | 16 | 0 | 0 | 0 | 0 |
| WESTERN INLAND | Damascus ... ... (A) ... ... ... ... | 30.4 | —2.3 | 14.6 | —1.0 | 22.5 | 36.2 | 2 | 25.0 | 11 | 29 | 19 | 1 | 0 | 0 | 19.5 | 8 | 11.2 | 27 | 0 | 0 | 0 | 0 |
| | Aleppo ... ... (A) ... ... ... ... | 31.0 | —2.3 | 15.4 | —1.4 | 23.2 | 34.5 | 25 | 26.0 | 14 | 29 | 19 | 0 | 0 | 0 | 21.1 | 3 | 9.5 | 23·24 | 2 | 0 | 0 | 0 |
| | Hama ... ... (A) ... ... ... ... | 31.9 | — | 17.1 | — | 24.5 | 36.0 | 1 | 26.2 | 14 | 30 | 21 | 2 | 0 | 0 | 23.6 | 8 | 12.4 | 24 | 0 | 0 | 0 | 0 |
| | Homs ... ... ... ... ... ... ... ... | 29.1 | —0.4 | 15.9 | —0.8 | 22.5 | 32.5 | 3 | 24.5 | 14 | 29 | 11 | 0 | 0 | 0 | 20.0 | 8·9 | 10.5 | 24 | 0 | 0 | 0 | 0 |
| | Kharabo ... ... ... ... ... ... ... | 31.4 | — | 9.9 | — | 20.7 | 37.0 | 2 | 25.8 | 13 | 30 | 21 | 3 | 0 | 0 | 17.0 | 10 | 5.5 | 15 | 13 | 0 | 0 | 0 |
| | Salamiyie ... ... ... ... ... ... ... | 30.8 | — | 13.8 | — | 22.3 | 34.5 | 3·25 | 24.0 | 14 | 29 | 17 | 0 | 0 | 0 | 18.5 | 8 | 7.5 | 23 | 4 | 0 | 0 | 0 |
| | Meselmiyie ... ... ... ... ... ... | 30.7 | — | 15.2 | — | 22.9 | 33.8 | 3 | 25.6 | 14 | 30 | 17 | 0 | 0 | 0 | 20.8 | 3 | 7.5 | 24 | 2 | 0 | 0 | 0 |
| | Fiq ... ... ... ... ... ... ... ... | 29.2 | — | 18.2 | — | 23.7 | 34.4 | 24 | 24.4 | 14 | 28 | 12 | 0 | 0 | 0 | 21.5 | 9 | 14.0 | 16 | 0 | 0 | 0 | 0 |
| | Tell Shihab ... ... ... ... ... ... | 29.9 | — | 14.8 | — | 22.4 | 34.5 | 8 | 25.0 | 14·21 | 30 | 15 | 0 | 0 | 0 | 20.5 | 9 | 9.0 | 23 | 2 | 0 | 0 | 0 |
| DESERT | Palmyra ... ... (A) ... ... ... ... | 32.3 | —2.2 | 16.9 | —1.5 | 24.6 | 36.9 | 1 | 28.0 | 14 | 30 | 24 | 4 | 0 | 0 | 20.8 | 9 | 11.8 | 24 | 0 | 0 | 0 | 0 |
| EL GEZEIRA | Deir Ezzor ... (A) ... ... ... ... | 33.8 | —2.3 | 19.3 | —1.2 | 26.5 | 38.4 | 2 | 29.0 | 22 | 30 | 28 | 8 | 0 | 0 | 25·0 | 3 | 12.5 | 24 | 0 | 0 | 0 | 0 |
| | Raqqa ... ... ... ... ... ... ... | 32.7 | — | 15.6 | — | 24.2 | 37.7 | 2 | 28.5 | 14 | 30 | 25 | 6 | 0 | 0 | 21.0 | 3 | 8.6 | 24 | 2 | 0 | 0 | 0 |
| NORTH EASTERN | Qamishlie ... ... (A) ... ... ... ... | 33.3 | —2.3 | 18.2 | —2.7 | 25.7 | 38.3 | 1·3 | 24.0 | 22 | 29 | 26 | 6 | 0 | 0 | 23.6 | 3 | 14.2 | 23 | 0 | 0 | 0 | 0 |
| | Tell Tamer... ... ... ... ... ... ... | 32.1 | — | 13.6 | — | 22.9 | 37.5 | 1 | 25.0 | 22 | 30 | 23 | 3 | 0 | 0 | 20.0 | 1·3 | 6.5 | 24 | 3 | 0 | 0 | 0 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum ... ... ... ... ... ... ... ... | 28.5 | —1.3 | 20.4 | +0.6 | 24.4 | 40.4 | 7 | 25.3 | 23 | 30 | 4 | 1 | 1 | 0 | 24.1 | 8 | 18.0 | 15 | 0 | 0 | 0 | 0 |
| | Sidi Barrani ... ... ... ... ... ... | 27.9 | —0.4 | 20.5 | 0.0 | 24.2 | 37.3 | 7 | 25.6 | 23 | 30 | 2 | 1 | 0 | 0 | 24.4 | 2 | 14.9 | 26 | 0 | 0 | 0 | 0 |
| | Mersa Matruh ... (A) ... ... ... ... | 28.0 | —0.5 | 19.2 | —0.8 | 23.6 | 35.9 | 7 | 25.7 | 23 | 30 | 3 | 1 | 0 | 0 | 24.2 | 2 | 14.7 | 27 | 0 | 0 | 0 | 0 |
| | Dahaa ... ... ... ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Alexandria ... ... (A) ... ... ... ... | 28.4 | —1.0 | 20.9 | —0.3 | 24.6 | 31.0 | 8 | 26.3 | 23 | 30 | 6 | 0 | 0 | 0 | 25.3 | 2 | 16.3 | 16 | 0 | 0 | 0 | 0 |
| | Dekheila ... ... (A) ... ... ... ... | 28.1 | +0.3 | 21.4 | —1.0 | 24.8 | 30.5 | 8 | 26.0 | 23 | 30 | 2 | 0 | 0 | 0 | 24.6 | 9 | 15.4 | 24 | 0 | 0 | 0 | 0 |
| | Damietta ... ... ... ... ... ... ... | 27.2 | —2.9 | 19.3 | —1.0 | 23.2 | 31.9 | 8 | 25.1 | 16 | 30 | 2 | 0 | 0 | 0 | 24.0 | 2·5 | 15.5 | 14 | 0 | 0 | 0 | 0 |
| | Port Said ... ... (A) ... ... ... ... | 29.0 | —0.2 | 22.8 | —1.2 | 25.9 | 32.3 | 8 | 26.9 | 17 | 30 | 8 | 0 | 0 | 0 | 25.4 | 2·3·4 | 19.4 | 13 | 0 | 0 | 0 | 0 |
| | El Arish ... ... ... ... ... ... ... | 28.7 | —1.2 | 19.4 | —0.9 | 24.0 | 31.2 | 8 | 27.0 | 23 | 30 | 10 | 0 | 0 | 0 | 22.6 | 4 | 16.2 | 23 | 0 | 0 | 0 | 0 |
| | Ghazza ... ... ... ... ... ... ... | 27.5 | —2.3 | 19.8 | +0.4 | 23.6 | 29.5 | 8 | 25.8 | 13 | 30 | 0 | 0 | 0 | 0 | 24.9 | 10 | 16.0 | 23 | 0 | 0 | 0 | 0 |

* = More than three days.

TABLE A 2. (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

**SEPTEMBER 1959**

| District | Station | Maximum temperature | | Minimum temperature | | (A + B) /2 | Maximum temperature | | | | | | | | | Minimum temperature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean (A) | Deviation from normal | Mean (B) | Deviation from normal | | Highest | Date | Lowest | Date | Number of days with maximum temperature | | | | | Highest | Date | Lowest | Date | Number of days with minimum temperature | | | |
| | | | | | | | | | | | >25° | >30° | >35° | >40° | >45° | | | | | <10° | <5° | <0° | <-5° |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | |
| LOWER EGYPT | Damanhour ... ... ... ... ... ... | 29.6 | −1.8 | 18.0 | −1.2 | 23.8 | 34.1 | 1 | 27.2 | 12 | 30 | 9 | 0 | 0 | 0 | 20.6 | 2.3 | 15.8 | 13 | 0 | 0 | 0 | 0 |
| | Mansoura ... ... ... ... ... ... ... | 31.2 | −1.6 | 18.5 | −1.0 | 24.8 | 36.0 | 8 | 27.5 | 12.13 | 30 | 24 | 2 | 0 | 0 | 22.0 | 4 | 15.0 | 13 | 0 | 0 | 0 | 0 |
| | Tanta ... ... ... ... ... ... ... | 31.7 | −0.8 | 17.2 | −0.2 | 24.4 | 36.6 | 8 | 27.4 | 12 | 30 | 23 | 3 | 0 | 0 | 20.4 | 2 | 14.4 | 18 | 0 | 0 | 0 | 0 |
| | Shebin el Kom ... ... ... ... ... | 30.9 | −2.2 | 18.2 | −0.7 | 24.6 | 35.3 | 8 | 27.4 | 12 | 30 | 18 | 1 | 0 | 0 | 21.1 | 2 | 14.9 | 16 | 0 | 0 | 0 | 0 |
| | Zagazig ... ... ... ... ... ... | 31.3 | −1.4 | 18.2 | −0.1 | 24.8 | 36.5 | 8 | 27.8 | 12 | 30 | 22 | 1 | 0 | 0 | 21.3 | 4 | 15.4 | 15 | 0 | 0 | 0 | 0 |
| | Zaher ... ... ... (A) ... ... ... | 31.3 | — | 18.8 | — | 25.0 | 36.8 | 8 | 28.2 | 13 | 30 | 21 | 1 | 0 | 0 | 22.1 | 4 | 16.2 | 16 | 0 | 0 | 0 | 0 |
| | Wadi el Natrun ... ... ... ... ... | 32.1 | −2.2 | 17.3 | −2.0 | 24.7 | 38.5 | 8 | 28.7 | 12 | 30 | 24 | 3 | 0 | 0 | 20.5 | 2 | 14.4 | 15 | 0 | 0 | 0 | 0 |
| | Abu Sueir ... ... (A) ... ... ... | 32.0 | — | 18.9 | — | 25.4 | 38.5 | 8 | 27.5 | 13 | 30 | 24 | 3 | 0 | 0 | 23.0 | 3 | 15.1 | 15 | 0 | 0 | 0 | 0 |
| CAIRO AREA | Cairo ... ... ... (A) ... ... ... | 31.2 | −1.2 | 19.1 | −0.8 | 25.2 | 37.1 | 8 | 27.8 | 14 | 30 | 21 | 1 | 0 | 0 | 22.0 | 2 | 16.1 | 28 | 0 | 0 | 0 | 0 |
| | Almaza (A) ... ... ... ... | 31.2 | −1.1 | 19.3 | −0.9 | 25.2 | 36.3 | 8 | 28.5 | 12 | 30 | 23 | 1 | 0 | 0 | 22.2 | 2 | 17.1 | 13 | 0 | 0 | 0 | 0 |
| | Abbasiya (H.Q.) ... ... ... ... ... | 32.1 | — | 19.3 | — | 25.7 | 36.7 | 8 | 28.5 | 12 | 30 | 26 | 1 | 0 | 0 | 22.3 | 2 | 16.5 | 15 | 0 | 0 | 0 | 0 |
| | Mostafa Helmi ... (A) ... ... ... | 30.3 | — | 17.7 | — | 24.0 | 35.5 | 8 | 27.4 | 12 | 30 | 14 | 1 | 0 | 0 | 20.7 | 2 | 15.0 | 13·14 | 0 | 0 | 0 | 0 |
| | Giza ... ... ... ... ... ... ... | 31.2 | −0.8 | 17.7 | −0.1 | 24.4 | 36.2 | 8 | 28.1 | 12 | 30 | 24 | 1 | 0 | 0 | 22.1 | 2 | 13.6 | 13·14 | 0 | 0 | 0 | 0 |
| | Helwan ... ... ... ... ... ... ... | 31.0 | −1.4 | 19.0 | −1.1 | 24.5 | 38.5 | 8 | 26.7 | 12 | 30 | 19 | 2 | 0 | 0 | 22.6 | 2 | 16.1 | 14 | 0 | 0 | 0 | 0 |
| UPPER EGYPT | Fayoum ... ... ... ... ... ... ... | 32.9 | −0.4 | 18.7 | −0.7 | 25.8 | 39.6 | 8 | 29.6 | 12·14 | 30 | 28 | 8 | 0 | 0 | 22.2 | 9 | 16.0 | 14 | 0 | 0 | 0 | 0 |
| | Beni Suef ... ... ... ... ... ... ... | 33.0 | −1.5 | 17.5 | −0.9 | 25.2 | 39.6 | 8 | 29.4 | 12 | 30 | 28 | 5 | 0 | 0 | 22.0 | 2 | 14.2 | 15 | 0 | 0 | 0 | 0 |
| | Minya ... ... (A) ... ... ... | 32.3 | −1.1 | 17.7 | −0.9 | 25.0 | 39.0 | 8 | 28.8 | 13 | 30 | 27 | 2 | 0 | 0 | 22.5 | 9 | 14.1 | 14 | 0 | 0 | 0 | 0 |
| | Asyout ... ... (A) ... ... ... | 33.5 | −1.8 | 19.0 | −1.2 | 26.2 | 43.5 | 8 | 29.6 | 14 | 30 | 29 | 8 | 2 | 0 | 23.3 | 9 | 16.4 | 16 | 0 | 0 | 0 | 0 |
| | Nag Hammadi ... ... ... ... ... ... | 35.3 | 0.0 | 19.4 | −0.4 | 27.4 | 41.2 | 9 | 31.1 | 22 | 30 | 30 | 15 | 3 | 0 | 22.9 | 9 | 16.0 | 29·30 | 0 | 0 | 0 | 0 |
| | Qena ... ... ... ... ... ... ... | 35.1 | −3.2 | 22.3 | −0.1 | 28.7 | 41.4 | 9 | 30.7 | 24 | 30 | 30 | 13 | 2 | 0 | 26.6 | 9 | 19.0 | 15 | 0 | 0 | 0 | 0 |
| | Luxor ... ... ... (A) ... ... ... | 37.3 | −1.0 | 20.3 | −1.2 | 28.8 | 43.6 | 9 | 32.9 | 13 | 30 | 30 | 21 | 7 | 0 | 24.0 | 3·9·10 | 16.9 | 15 | 0 | 0 | 0 | 0 |
| | Aswan ... ... ... ... ... ... ... | 40.1 | +0.3 | 22.4 | −1.7 | 31.2 | 46.5 | 8 | 34.8 | 14 | 30 | 30 | 29 | 14 | 2 | 27.0 | 5 | 18.0 | 30 | 0 | 0 | 0 | 0 |
| WESTERN DESERT | Siwa ... ... ... ... ... ... ... | 34.2 | −0.8 | 18.6 | −1.0 | 26.4 | 41.2 | 8 | 28.1 | 23 | 30 | 29 | 12 | 1 | 0 | 23.0 | 9·11 | 14.8 | 23 | 0 | 0 | 0 | 0 |
| | Bahariya ... ... ... ... ... ... ... | 33.1 | −0.9 | 17.5 | −1.1 | 25.3 | 40.8 | 8 | 28.8 | 23 | 30 | 26 | 8 | 1 | 0 | 21.7 | 8 | 12.1 | 24 | 0 | 0 | 0 | 0 |
| | Farafra ... ... ... ... ... ... ... | 33.9 | −1.1 | 18.2 | −0.9 | 26.0 | 41.9 | 8 | 30.2 | 22 | 30 | 30 | 10 | 1 | 0 | 23.7 | 8 | 13.4 | 24 | 0 | 0 | 0 | 0 |
| | Dakhla ... ... ... ... ... ... ... | 35.6 | −0.1 | 18.7 | −2.5 | 27.2 | 42.0 | 9 | 31.6 | 22 | 30 | 30 | 14 | 3 | 0 | 29.3 | 9 | 11.0 | 24 | 0 | 0 | 0 | 0 |
| | Kharga ... ... ... ... ... ... ... | 35.9 | −0.6 | 19.8 | −1.8 | 27.8 | 42.3 | 8 | 31.5 | 22 | 30 | 30 | 17 | 3 | 0 | 28.0 | 9 | 13.1 | 29 | 0 | 0 | 0 | 0 |
| RED SEA | Suez ... ... ... ... ... ... ... | 32.3 | −1.3 | 20.3 | −0.8 | 26.3 | 38.8 | 8 | 28.8 | 12·14 | 30 | 27 | 3 | 0 | 0 | 24.2 | 3 | 16.1 | 14 | 0 | 0 | 0 | 0 |
| | Tor ... ... ... ... ... ... ... | 30.8 | −1.2 | 22.1 | −0.6 | 26.4 | 36.0 | 8 | 27.8 | 27 | 30 | 20 | 1 | 0 | 0 | 26.4 | 9 | 17.7 | 30 | 0 | 0 | 0 | 0 |
| | Hurghada ... ... ... ... ... ... ... | 31.1 | +0.7 | 21.9 | −1.3 | 26.5 | 35.0 | 9 | 28.7 | 22 | 30 | 19 | 1 | 0 | 0 | 26.5 | 9 | 17.9 | 24 | 0 | 0 | 0 | 0 |
| | Quseir ... ... ... ... ... ... ... | 30.9 | −1.4 | 23.6 | −1.8 | 27.2 | 34.1 | 8 | 28.7 | 28 | 30 | 22 | 0 | 0 | 0 | 27.5 | 5 | 19.3 | 29 | 0 | 0 | 0 | 0 |

## TABLE A 3.—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

### SEPTEMBER 1959

| Districts | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh (A) ... | 34.4 | +8.8 | 15.0 | 20 | 7 | 6 | 1 | 0 | 0 | 0.0 | — | 303.9 | 329.8 | 89 | 2.2 | 3.0 | 3.2 | 2.5 | 4.9 |
| | Bouka ... ... ... ... | 90.4 | — | 29.0 | 11 | 6 | 6 | 4 | 1 | 0 | 0.0 | — | — | — | — | — | 3.2 | 2.4 | 3.9 | 2.8 |
| | Tartous ... ... ... ... | 34.0 | — | 16.0 | 14 | 3 | 3 | 2 | 0 | 0 | 0.0 | — | — | — | — | — | 1.9 | 1.4 | 2.0 | 4.0 |
| Western Inland | Damascus (A) ... | 0.4 | 0.0 | 0.4 | 21 | 1 | 0 | 0 | 0 | 0 | 0.0 | — | 327.3 | 348.4 | 94 | 0.2 | 0.6 | 1.2 | 0.6 | 9.2 |
| | Aleppo (A) ... | tr | —0.2 | tr | 11 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 316.3 | 341.5 | 93 | 0.7 | 0.9 | 2.0 | 0.7 | 8.8 |
| | Hama (A) ... | 2.8 | +2.5 | 1.4 | 11·13 | 2 | 2 | 0 | 0 | 0 | 0.0 | — | 319.9 | 347.6 | 94 | 0.3 | 1.0 | 1.7 | 0.8 | 8.2 |
| | Homs ... ... ... ... | 0.0 | —0.2 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.8 | 2.0 | 2.5 | 4.2 |
| | Kharabo ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.4 | 0.8 | 0.3 | — |
| | Salamiyie ... ... ... | 2.0 | — | 1.5 | 13 | 2 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.6 | 1.0 | 0.6 | 5.1 |
| | Meselmiyie ... ... ... | 0.8 | — | 0.8 | 13 | 1 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.1 | 1.0 | 0.7 | 9.0 |
| | Fiq ... ... ... ... ... | 15.2 | — | 12.7 | 21 | 4 | 2 | 1 | 0 | 0 | 0.0 | — | 300.5 | 349.9 | 86 | — | 3.0 | 2.3 | 1.5 | 6.0 |
| | Tell Shihab ... ... ... | 11.6 | — | 9.5 | 21 | 4 | 2 | 0 | 0 | | | | | | | | | | | |
| Desert | Palmyra (A) ... | 0.0 | —0.7 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.9 | 1.7 | 0.7 | 4.8 |
| El Gezira | Deir Ezzor (A) ... | 3.8 | +3.4 | 3.8 | 21 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | 332.4 | 349.6 | 95 | 0.2 | 0.3 | 0.7 | 0.3 | 11.0 |
| | Raqqa ... ... ... ... | tr. | — | tr. | 21 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 307.4 | 340.0 | 90 | 0.3 | 0.3 | 0.3 | 0.5 | 11.0 |
| North Eastern | Qamishlie (A) ... | 2.5 | +2.2 | 2.0 | 21 | 3 | 1 | 0 | 0 | 0 | 0.0 | — | 323.3 | 334.9 | 97 | 0.4 | 0.3 | 0.9 | 0.5 | 9.6 |
| | Tell Tamer ... ... ... | 4.0 | — | 4.0 | 22 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | 326.3 | 334.2 | 98 | 0.4 | 0.5 | 0.8 | 0.1 | 8.2 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum ... ... ... ... | 0.8 | —0.4 | 0.8 | 24 | 1 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.1 | 1.7 | 2.3 | 1.1 | 7.9 |
| | Sidi Barrani ... ... ... | tr | + tr | tr | 13·24·30 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.5 | 2.2 | 1.4 | 7.5 |
| | Mersa Matruh (A) ... | 0.0 | —0.2 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.7 | 2.1 | 1.6 | 1.2 | 11.7 |
| | Dabaa ... ... ... ... | — | — | — | — | — | — | — | — | 0 | 0.0 | — | — | — | — | — | — | — | — | — |
| | Alexandria (A) ... | 0.0 | —0.5 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 311.4 | 371.3 | 84.0 | 2.2 | 3.1 | 2.3 | 2.0 | 5.4 |
| | Dekhelia (A) ... | 0.0 | —tr. | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.3 | 2.3 | 1.8 | 0.9 | 7.4 |
| | Damietta ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.3 | 1.0 | 0.3 | 4.5 |
| | Port Said (A) ... | 0.0 | —0.2 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 311.8 | 371.3 | 84.0 | 0.9 | 1.7 | 0.1 | 0.7 | 9.0 |
| | El Arish ... ... ... ... | 0.0 | —0.4 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.7 | 1.9 | 1.2 | 1.7 | 6.0 |
| | Ghazza ... ... ... ... | 1.1 | +1.1 | 0.6 | 11 | 2 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.6 | 2.5 | 1.6 | 1.5 | 5.6 |

TABLE A 3. *(contd.)*—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

**SEPTEMBER 1959**

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Southern Region** *(contd.)* | | | | | | | | | | | | | | | | | | | |
| LOWER EGYPT | Damanhour ... ... ... | 0.0 | —0.2 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.6 | 2.2 | 0.8 | 4.5 |
| | Mansoura ... ... ... | tr. | —0.2 | tr. | 12 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.9 | 2.2 | 0.0 | 3.8 |
| | Tanta ... ... ... ... | tr. | —0.2 | tr. | 12 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 324.6 | 371.3 | 87.4 | — | 1.0 | 2.1 | — | 5.5 |
| | Shebin el Kom ... ... | 0.0 | —0.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.5 | 1.3 | 0.5 | 3.7 |
| | Zagazig ... ... ... ... | 0.0 | —0.2 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.8 | 3.2 | 0.2 | 4.0 |
| | Zaher ... ... (A) ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.4 | 1.2 | 0.0 | 9.0 |
| | Wadi el Natrun ... ... | 0.0 | —0.7 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.3 | 1.2 | 0.2 | 9.3 |
| | Abu Sueir ... (A) ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.6 | 1.8 | 1.4 | 0.3 | 11.1 |
| CAIRO AREA | Cairo ... ... (A) ... | tr. | +tr. | tr. | 20 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.9 | 2.0 | 1.1 | 0.1 | 10.1 |
| | Almaza ... ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 316.8 | 370.9 | 85.5 | 1.7 | 1.9 | 1.0 | 0.2 | 7.8 |
| | Abbasiya (H.Q.) ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | (228.2) | (270.1) | 84.5 | 1.3 | 2.1 | 1.1 | 0.2 | 6.5 |
| | Mostafa Helmi (A) ... | tr. | — | tr. | 21 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.1 | 1.8 | 1.1 | 0.0 | 13.5 |
| | Giza... ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 311.7 | 370.9 | 84.0 | — | 2.3 | 1.0 | 0.3 | 6.5 |
| | Helwan ... ... ... ... | tr. | +tr. | tr. | 29 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | (305.9) | (358.3) | 85.4 | — | 1.5 | 0.9 | 0.3 | 10.9 |
| UPPER EGYPT | Fayoum ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.3 | 0.5 | 0.2 | 6.9 |
| | Beni Suef ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.7 | 0.6 | 0.8 | 6.8 |
| | Minya ... ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 1.3 | 0.4 | 0.3 | 8.0 |
| | Asyout ... ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.3 | 0.0 | 0.0 | 15.9 |
| | Nag Hammadi ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.0 | 0.0 | 0.0 | 8.2 |
| | Qena ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.0 | 0.0 | 0.0 | 12.0 |
| | Luxor ... ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.0 | 0.0 | 0.0 | 12.8 |
| | Aswan ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.1 | 0.2 | 0.0 | 12.3 |
| WESTERN DESERT | Siwa ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.2 | 0.1 | 0.8 | 0.3 | 12.3 |
| | Bahariya ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.1 | 1.1 | 0.6 | 0.3 | 8.2 |
| | Farafra ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.1 | 0.1 | 0.1 | 19.0 |
| | Dakhla ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.2 | 0.3 | 0.0 | 19.4 |
| | Kharga ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.0 | 0.1 | 0.0 | 14.2 |
| RED SEA | Suez ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.3 | 0.5 | 0.2 | 12.9 |
| | Tor ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.0 | 0.2 | 0.0 | 10.5 |
| | Hurghada ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.0 | 0.1 | 0.1 | 19.5 |
| | Quseir ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.0 | 0.0 | 0.0 | 0.0 | 13.9 |

**Actual number of sunshine records was 22 days at Abbasiya (H.Q.) and 29 days at Helwan.**

## TABLE A 4.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

### SEPTEMBER 1959

| Station | Number of days of occurrence of | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rain | Snow | Hail | Thunderstorm | Fog | Mist | Haze | Sandstorm Duststorm | Sandrising Dustrising | Gales | Cloudy sky | Clear sky |
| **NORTHERN REGION** | | | | | | | | | | | | |
| Jableh ... ... ... (A) ... ... | 7 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Bouka ... ... ... ... ... ... | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Tartous ... ... ... ... ... ... | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Damascus ... ... (A) ... ... | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 15 |
| Aleppo ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| Hama ... ... ... (A) ... ... | 2 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 23 |
| Homs ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Kharabo ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Salamiyie ... ... ... ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Meselmiyie ... ... ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | — | — |
| Fiq ... ... ... ... ... ... ... | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| Tell Shihab ... ... ... ... ... | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | — | — |
| Palmyra ... ... (A) ... ... | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 5 | 0 | 0 | 14 |
| Deir Ezzor ... ... (A) ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 7 |
| Raqqa ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 0 | 0 | 16 |
| Qamishlie ... ... (A) ... ... | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| Tell Tamer ... ... ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| **SOUTHERN REGION** | | | | | | | | | | | | |
| Sallum ... ... ... ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| Sidi Barrani ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Mersa Matruh ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 18 |
| Alexandria ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| Port Said ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 24 |
| El Arish... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| Abu Sueir ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 3 | 0 | 0 | 22 |
| Cairo ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 1 | 13 | 8 | 0 | 0 | 0 | 0 | 23 |
| Almaza ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 9 | 21 |
| Abbasiya (H.Q.) ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 24 |
| Mostafa Helmi ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 6 | 0 | 0 | 26 |
| Minya ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Asyout ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Luxor ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Aswan ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Siwa ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Hurghada ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Quseir ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 30 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## NORTHERN REGION—SEPTEMBER 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| COASTAL | Jableh (A) | 219 | 0 | 0 | 1-10 | 0 | 1 | 6 | 29 | 47 | 4 | 32 | 30 | 46 | 82 | 60 | 3 | 32 | 5 | 3 | 1 | 381 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 64 | 42 | 1 | 4 | 1 | 3 | 0 | 120 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 1 | 6 | 29 | 47 | 4 | 32 | 31 | 50 | 146 | 102 | 4 | 36 | 6 | 6 | 1 | 501 |
| | Bouka | 318 | 0 | 0 | 1-10 | 1 | 0 | 3 | 0 | 0 | 0 | 3 | 3 | 67 | 85 | 81 | 23 | 23 | 16 | 16 | 0 | 321 |
| | | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 9 | 28 | 20 | 14 | 4 | 0 | 3 | 1 | 81 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 2 | 0 | 3 | 0 | 0 | 1 | 3 | 3 | 76 | 113 | 101 | 37 | 27 | 16 | 19 | 1 | 402 |
| WESTERN INLAND | Damascus (A) | 290 | 0 | 0 | 1-10 | 3 | 11 | 18 | 38 | 19 | 0 | 11 | 13 | 20 | 10 | 25 | 12 | 22 | 23 | 10 | 3 | 238 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 6 | 3 | 16 | 42 | 97 | 20 | 0 | 191 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 3 | 11 | 18 | 38 | 19 | 0 | 13 | 14 | 24 | 16 | 28 | 28 | 64 | 121 | 30 | 3 | 430 |
| | Aleppo (A) | 96 | 0 | 0 | 1-10 | 8 | 1 | 0 | 0 | 0 | 1 | 10 | 0 | 2 | 9 | 31 | 67 | 106 | 11 | 4 | 0 | 250 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 3 | 6 | 14 | 21 | 85 | 224 | 6 | 1 | 0 | 372 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 8 | 1 | 0 | 0 | 0 | 2 | 21 | 3 | 8 | 23 | 52 | 153 | 331 | 17 | 5 | 0 | 624 |
| | Hama (A) | 103 | 0 | 0 | 1-10 | 10 | 9 | 34 | 20 | 38 | 1 | 8 | 14 | 73 | 31 | 45 | 17 | 25 | 1 | 6 | 3 | 336 |
| | | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 55 | 128 | 47 | 16 | 3 | 2 | 1 | 281 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 10 | 10 | 34 | 20 | 38 | 1 | 9 | 14 | 102 | 86 | 173 | 64 | 41 | 4 | 8 | 4 | 617 |
| | Kharabo | 441 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 68 | 98 | 6 | 5 | 0 | 179 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 42 | 50 | 3 | 0 | 0 | 100 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 110 | 148 | 9 | 5 | 0 | 279 |
| | Salamiyie | 223 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 110 | 124 | 15 | 1 | 2 | 0 | 0 | 285 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 31 | 133 | 34 | 8 | 1 | 0 | 0 | 212 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 141 | 257 | 49 | 9 | 3 | 0 | 0 | 497 |
| | Fiq | 31 | 0 | 210 | 1-10 | 4 | 0 | 7 | 2 | 11 | 2 | 1 | 6 | 7 | 5 | 16 | 24 | 70 | 44 | 9 | 3 | 211 |
| | | | | | 11-27 | 11 | 3 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 1 | 0 | 23 | 124 | 81 | 11 | 8 | 268 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 15 | 3 | 7 | 2 | 16 | 2 | 1 | 6 | 8 | 6 | 16 | 47 | 194 | 125 | 20 | 11 | 479 |
| DESERT | Palmyra (A) | 59 | 0 | 0 | 1-10 | 3 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 9 | 20 | 298 | 159 | 8 | 10 | 515 |
| | | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 69 | 70 | 5 | 0 | 146 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 3 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 3 | 9 | 21 | 367 | 229 | 13 | 10 | 661 |
| EL GEZEIRA | Deir Ezzor (A) | 194 | 0 | 0 | 1-10 | 72 | 14 | 6 | 1 | 1 | 1 | 2 | 1 | 9 | 5 | 48 | 66 | 90 | 28 | 37 | 63 | 444 |
| | | | | | 11-27 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 10 | 40 | 5 | 2 | 6 | 82 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 82 | 16 | 6 | 1 | 1 | 1 | 2 | 1 | 9 | 5 | 55 | 76 | 130 | 33 | 39 | 69 | 526 |
| | Raqqa | 24 | 0 | 0 | 1-10 | 9 | 1 | 1 | 1 | 1 | 3 | 0 | 4 | 3 | 1 | 8 | 38 | 136 | 74 | 34 | 16 | 330 |
| | | | | | 11-27 | 2 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 13 | 47 | 209 | 72 | 8 | 2 | 366 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 11 | 6 | 5 | 1 | 1 | 3 | 0 | 4 | 3 | 5 | 21 | 85 | 345 | 146 | 42 | 18 | 696 |
| EASTERN | Qamishlie (A) | 146 | 0 | 0 | 1-10 | 127 | 23 | 15 | 10 | 9 | 2 | 2 | 0 | 8 | 7 | 15 | 30 | 69 | 47 | 47 | 73 | 484 |
| | | | | | 11-27 | 39 | 7 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 15 | 2 | 2 | 7 | 90 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 166 | 30 | 23 | 10 | 9 | 2 | 2 | 0 | 8 | 7 | 19 | 36 | 84 | 49 | 49 | 80 | 574 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## SOUTHERN REGION—SEPTEMBER 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| MEDITERRANEAN | Sidi Barrani ... | 38 | 0 | 42 | 1-10 | 127 | 140 | 119 | 8 | 10 | 3 | 8 | 5 | 4 | 14 | 9 | 28 | 487 |
| | | | | | 11-27 | 72 | 32 | 21 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 143 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **199** | **172** | **140** | **41** | **10** | **3** | **8** | **5** | **4** | **14** | **9** | **35** | **640** |
| | Mersa Matruh (A) | 20 | 3 | 0 | 1-10 | 71 | 7 | 1 | 2 | 3 | 5 | 18 | 57 | 45 | 18 | 33 | 125 | 385 |
| | | | | | 11-27 | 47 | 13 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 1 | 29 | 216 | 312 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **118** | **20** | **1** | **2** | **3** | **5** | **18** | **63** | **45** | **19** | **62** | **341** | **697** |
| | Alexandria (A) | 53 | 0 | 6 | 1-10 | 73 | 11 | 3 | 4 | 3 | 2 | 2 | 4 | 2 | 3 | 41 | 143 | 291 |
| | | | | | 11-27 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 106 | 247 | 370 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **90** | **11** | **3** | **4** | **3** | **2** | **2** | **4** | **2** | **3** | **147** | **390** | **661** |
| | Dekheila (A) | 15 | 0 | 8 | 1-10 | 127 | 99 | 12 | 5 | 4 | 9 | 13 | 6 | 2 | 2 | 13 | 58 | 350 |
| | | | | | 11-27 | 168 | 26 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 14 | 138 | 347 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **295** | **125** | **12** | **5** | **5** | **9** | **13** | **6** | **2** | **2** | **27** | **196** | **697** |
| | Port Said (A) | 0 | 3 | 2 | 1-10 | 136 | 93 | 34 | 1 | 2 | 4 | 2 | 6 | 33 | 51 | 25 | 129 | 516 |
| | | | | | 11-27 | 17 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 31 | 57 | 87 | 199 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **153** | **96** | **37** | **1** | **2** | **4** | **2** | **6** | **34** | **82** | **82** | **216** | **715** |
| | El Arish ... ... | 116 | 97 | 0 | 1-10 | 71 | 32 | 1 | 1 | 1 | 6 | 0 | 10 | 64 | 23 | 81 | 178 | 468 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 31 | 2 | 39 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **71** | **32** | **1** | **1** | **1** | **6** | **0** | **10** | **65** | **28** | **112** | **180** | **507** |
| LOWER EGYPT | Zaher (A) | 26 | 23 | 13 | 1-10 | 155 | 68 | 6 | 5 | 5 | 9 | 2 | 23 | 83 | 59 | 88 | 129 | 632 |
| | | | | | 11-27 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 10 | 26 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **162** | **68** | **6** | **5** | **5** | **9** | **2** | **23** | **83** | **59** | **97** | **139** | **658** |
| CAIRO AREA | Cairo (A) | 42 | 2 | 0 | 1-10 | 138 | 89 | 89 | 38 | 19 | 3 | 1 | 10 | 11 | 30 | 73 | 163 | 664 |
| | | | | | 11-27 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 12 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **139** | **93** | **89** | **38** | **19** | **3** | **1** | **10** | **11** | **30** | **73** | **170** | **676** |
| | Almaza (A) | 1 | 0 | 0 | 1-10 | 99 | 112 | 220 | 77 | 11 | 14 | 2 | 7 | 8 | 7 | 19 | 61 | 637 |
| | | | | | 11-27 | 7 | 33 | 39 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 82 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **106** | **145** | **259** | **78** | **11** | **14** | **2** | **7** | **8** | **7** | **19** | **63** | **719** |
| | Abbasiya (H. Q) | 77 | 3 | 0 | 1-10 | 241 | 67 | 6 | 0 | 0 | 2 | 4 | 5 | 7 | 35 | 76 | 197 | 640 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **241** | **67** | **6** | **0** | **0** | **2** | **4** | **5** | **7** | **35** | **76** | **197** | **640** |
| | Mostafa Helmi (A) | 5 | 0 | 1 | 1-10 | 66 | 122 | 54 | 14 | 9 | 3 | 0 | 4 | 9 | 17 | 41 | 110 | 449 |
| | | | | | 11-27 | 56 | 152 | 24 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 21 | 265 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **122** | **274** | **78** | **16** | **9** | **3** | **0** | **4** | **9** | **17** | **51** | **131** | **714** |
| | Giza ... ... ... | 104 | 2 | 5 | 1-10 | 297 | 165 | 12 | 2 | 1 | 0 | 4 | 0 | 0 | 0 | 11 | 117 | 609 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **297** | **165** | **12** | **2** | **1** | **0** | **4** | **0** | **0** | **0** | **11** | **117** | **609** |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORED WITHIN SPECIFIED RANGES

### SOUTHERN REGION (*contd.*)—SEPTEMBER 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| Upper Egypt | Minya ... ... (A) | 7 | 13 | 1 | 1-10 | 122 | 35 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 4 | 22 | 221 | 409 |
| | | | | | 11-27 | 220 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 290 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 342 | 38 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 4 | 22 | 288 | 699 |
| | Luxor... ... (A) | 19 | 0 | 2 | 1-10 | 18 | 20 | 3 | 8 | 14 | 21 | 115 | 81 | 35 | 62 | 100 | 214 | 694 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 1 | 5 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 18 | 20 | 3 | 8 | 14 | 21 | 118 | 85 | 35 | 62 | 100 | 215 | 699 |
| Western Desert | Siwa ... ... ... | 79 | 1 | 2 | 1-10 | 73 | 77 | 67 | 91 | 37 | 28 | 14 | 6 | 10 | 23 | 64 | 65 | 555 |
| | | | | | 11-27 | 13 | 34 | 18 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 88 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 86 | 111 | 85 | 101 | 37 | 28 | 14 | 6 | 10 | 23 | 64 | 73 | 638 |
| | Dakhla ... ... | 5 | 1 | 0 | 1-10 | 86 | 23 | 19 | 6 | 11 | 6 | 11 | 13 | 23 | 75 | 87 | 121 | 471 |
| | | | | | 11-27 | 99 | 42 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 88 | 237 |
| | | | | | 28-47 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 185 | 71 | 23 | 6 | 11 | 7 | 11 | 13 | 23 | 67 | 88 | 209 | 714 |
| Red Sea | Hurghada ... ... | 1 | 5 | 2 | 1-10 | 23 | 2 | 1 | 1 | 1 | 5 | 0 | 1 | 0 | 2 | 86 | 34 | 156 |
| | | | | | 11-27 | 182 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 282 | 552 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 205 | 15 | 1 | 1 | 1 | 5 | 0 | 1 | 0 | 2 | 161 | 320 | 712 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## JABLEH (A)—SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 12 | 0 | 0 | 1-10 | 0 | 0 | 0 | 3 | 5 | 0 | 1 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **1** | **0** | **3** | **5** | **0** | **1** | **2** | **3** | **2** | **1** | **0** | **0** | **0** | **0** | **0** | **18** |
| 0300 | 9 | 0 | 0 | 1-10 | 0 | 0 | 1 | 5 | 8 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **1** | **5** | **8** | **0** | **0** | **3** | **0** | **3** | **1** | **0** | **0** | **0** | **0** | **0** | **21** |
| 0600 | 15 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 0 | 1 | 4 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **1** | **1** | **0** | **1** | **4** | **1** | **1** | **6** | **0** | **0** | **0** | **0** | **0** | **0** | **15** |
| 0900 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 9 | 2 | 0 | 4 | 0 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **4** | **14** | **3** | **0** | **4** | **0** | **0** | **0** | **26** |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 12 | 1 | 3 | 2 | 0 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 1 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **2** | **3** | **17** | **1** | **4** | **2** | **0** | **0** | **30** |
| 1500 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 4 | 1 | 1 | 1 | 1 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **14** | **6** | **1** | **1** | **1** | **2** | **0** | **26** |
| 1800 | 16 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **2** | **4** | **4** | **2** | **1** | **0** | **0** | **0** | **0** | **14** |
| 2100 | 14 | 0 | 0 | 1-10 | 0 | 2 | 3 | 0 | 5 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **2** | | **0** | **5** | **0** | **1** | **2** | **1** | **0** | **2** | **0** | **0** | **0** | **0** | **0** | **16** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## BOUKA — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 17 | 0 | 8 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 2 | 0 | 0 | 1 | 1 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 2 | 0 | 0 | 1 | 1 | 0 | 13 |
| 0300 | 24 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 6 |
| 0600 | 19 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 11 |
| 0900 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 9 | 3 | 1 | 3 | 0 | 0 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 12 | 3 | 1 | 3 | 0 | 0 | 29 |
| 1200 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 8 | 2 | 3 | 4 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 0 | 0 | 1 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 13 | 4 | 3 | 4 | 1 | 0 | 29 |
| 1500 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 8 | 2 | 2 | 0 | 3 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 9 | 3 | 2 | 0 | 3 | 0 | 26 |
| 1800 | 18 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 3 | 0 | 1 | 0 | 0 | 0 | 12 |
| 2100 | 21 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 0 | 0 | 0 | 1 | 0 | 9 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## TARTOUS—SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 22 | 0 | 2 | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 6 |
| 0300 | 21 | 0 | 1 | 1—10 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 5 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 8 |
| 0600 | 21 | 0 | 0 | 1—10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 5 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 1 | 1 | 0 | 0 | 9 |
| 0900 | 3 | 0 | 0 | 1—10 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 5 | 2 | 2 | 5 | 3 | 1 | 22 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 5 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 7 | 3 | 3 | 5 | 3 | 1 | 27 |
| 1200 | 1 | 0 | 0 | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 8 | 4 | 1 | 2 | 20 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 1 | 0 | 1 | 9 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | Al speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 8 | 5 | 1 | 3 | 29 |
| 1500 | 9 | 0 | 0 | 1—10 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 5 | 7 | 0 | 1 | 1 | 19 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 3 | 5 | 7 | 0 | 1 | 1 | 21 |
| 1800 | 23 | 0 | 0 | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 7 |
| 2100 | 22 | 0 | 0 | 1—10 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 7 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | Al speeds | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 8 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DAMASCUS (A)—SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 17 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 2 | 0 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 4 | 1 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 5 | 3 | 0 | 13 |
| 0300 | 23 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 1 | 0 | 7 |
| 0600 | 22 | 0 | 0 | 1–10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 7 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 8 |
| 0900 | 6 | 0 | 0 | 1–10 | 0 | 0 | 2 | 5 | 4 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 5 | 4 | 0 | 2 | 2 | 4 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 24 |
| 1200 | 3 | 0 | 0 | 1–10 | 0 | 0 | 3 | 5 | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 4 | 0 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 3 | 5 | 1 | 0 | 1 | 2 | 1 | 2 | 0 | 1 | 5 | 6 | 0 | 0 | 27 |
| 1500 | 4 | 0 | 0 | 1–10 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 12 | 0 | 0 | 17 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 2 | 2 | 14 | 0 | 0 | 26 |
| 1800 | 12 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 2 | 0 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 4 | 10 | 2 | 0 | 18 |
| 2100 | 14 | 0 | 0 | 1–10 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 1 | 1 | 6 | 2 | 0 | 16 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEPPO (A)—SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 5 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 6 | 1 | 1 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 7 | 0 | 0 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 13 | 1 | 1 | 0 | 25 |
| 0300 | 11 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 6 | 7 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 6 | 9 | 0 | 0 | 0 | 19 |
| 0600 | 8 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 4 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 6 | 0 | 0 | 1 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 5 | 10 | 0 | 0 | 1 | 22 |
| 0900 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 6 | 3 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 9 | 2 | 0 | 0 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 6 | 15 | 5 | 0 | 0 | 29 |
| 1200 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 4 | 1 | 0 | 0 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 13 | 0 | 0 | 0 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 4 | 17 | 1 | 0 | 0 | 27 |
| 1500 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 6 | 16 | 1 | 0 | 0 | 27 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 6 | 17 | 1 | 0 | 0 | 28 |
| 1800 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 10 | 1 | 0 | 0 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 6 | 17 | 1 | 0 | 0 | 28 |
| 2100 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 4 | 1 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 4 | 9 | 0 | 0 | 0 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | 8 | 13 | 1 | 0 | 0 | 27 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## HAMA (A) - SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 7 | 0 | 0 | 1–10 | 0 | 1 | 2 | 1 | 2 | 0 | 1 | 2 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 1 | 4 | 0 | 4 | 2 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 23 |
| 0300 | 7 | 0 | 0 | 1–10 | 0 | 1 | 5 | 2 | 5 | 0 | 0 | 0 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 5 | 2 | 5 | 0 | 0 | 0 | 6 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 23 |
| 0600 | 9 | 0 | 0 | 1–10 | 0 | 0 | 4 | 2 | 5 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 4 | 2 | 5 | 0 | 0 | 0 | 5 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 21 |
| 0900 | 3 | 0 | 0 | 1–10 | 2 | 1 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 3 | 4 | 0 | 0 | 1 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 1 | 1 | 0 | 1 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 5 | 4 | 5 | 0 | 1 | 1 | 27 |
| 1200 | 4 | 0 | 0 | 1–10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 7 | 1 | 0 | 0 | 0 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 7 | 1 | 0 | 1 | 0 | 26 |
| 1500 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 11 | 5 | 3 | 0 | 0 | 0 | 26 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 11 | 7 | 4 | 0 | 1 | 0 | 30 |
| 1800 | 0 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 5 | 3 | 3 | 0 | 0 | 0 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 6 | 1 | 0 | 0 | 0 | 0 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 11 | 4 | 3 | 0 | 0 | 0 | 30 |
| 2100 | 5 | 0 | 0 | 1–10 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 5 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 7 | 5 | 9 | 0 | 0 | 0 | 0 | 0 | 25 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

## KHARABO — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 23 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 1 | 0 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | • | • | • | • | • | • | 2 | 4 | • | 1 | • | 7 |
| 0300 | 25 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | • | • | • | • | • | • | 2 | 2 | 1 | • | • | 5 |
| 0600 | 26 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | • | • | • | • | • | • | 2 | 2 | • | • | • | 4 |
| 0900 | 16 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 1 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | • | • | • | • | • | 1 | 4 | 8 | • | 1 | • | 14 |
| 1200 | 9 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 7 | 1 | 0 | 0 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | • | • | • | • | • | 2 | 5 | 13 | 1 | • | • | 21 |
| 1500 | 12 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | • | • | • | • | • | • | 9 | 9 | • | • | • | 18 |
| 1800 | 14 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 4 | 1 | 0 | 0 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | • | • | • | • | • | • | 10 | 5 | 1 | • | • | 16 |
| 2100 | 22 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | • | • | • | • | • | • | 5 | 3 | • | • | • | 8 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### SALAMIYIE — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 20 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 10 |
| 0300 | 21 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 0600 | 8 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 22 |
| 0900 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 11 | 1 | 0 | 0 | 0 | 0 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | 3 | 0 | 1 | 0 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 18 | 4 | 0 | 1 | 0 | 0 | 29 |
| 1200 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 2 | 1 | 0 | 0 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 14 | 2 | 2 | 0 | 0 | 0 | 20 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 18 | 4 | 3 | 0 | 0 | 0 | 30 |
| 1500 | 3 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 18 | 2 | 0 | 0 | 0 | 0 | 22 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 21 | 2 | 0 | 0 | 0 | 0 | 27 |
| 1800 | 6 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 14 | 0 | 0 | 0 | 0 | 0 | 24 |
| 2100 | 12 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 7 | 1 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 7 | 1 | 0 | 0 | 0 | 0 | 18 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### FIQ—SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed, in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | — | — | — | 1-10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11-27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28-47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0300 | — | — | — | 1-10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11-27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28-47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0600 | 3 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 1 | 2 | 1 | 2 | 3 | 8 | 1 | 0 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 4 | 0 | 0 | 1 | 2 | 1 | 2 | 5 | 9 | 1 | 0 | 0 | 27 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 3 | 7 | 2 | 1 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 1 | 1 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 5 | 10 | 8 | 3 | 1 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 10 | 2 | 1 | 24 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 14 | 2 | 1 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 15 | 2 | 0 | 27 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 16 | 2 | 0 | 30 |
| 1800 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 4 | 0 | 0 | 13 |
| | | | | 11-27 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 9 | 1 | 1 | 1 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 17 | 5 | 1 | 1 | 30 |
| 2100 | 7 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 4 | 7 | 0 | 0 | 0 | 1 | 17 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 5 | 10 | 0 | 0 | 0 | 1 | 23 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## PALMYRA (A)—SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 6 | 0 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 12 | 0 | 0 | 29 |
| 0300 | 2 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 15 | 6 | 0 | 0 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 15 | 11 | 0 | 0 | 28 |
| 0600 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 6 | 0 | 0 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 | 8 | 0 | 0 | 29 |
| 0900 | 3 | 0 | 0 | 1–10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 19 | 5 | 0 | 0 | 26 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 | 5 | 0 | 0 | 27 |
| 1200 | 4 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 14 | 5 | 0 | 1 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 16 | 6 | 0 | 1 | 26 |
| 1500 | 2 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 13 | 1 | 0 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 16 | 1 | 0 | 28 |
| 1800 | 2 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 9 | 0 | 2 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 10 | 0 | 2 | 28 |
| 2100 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 12 | 3 | 0 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 4 | 0 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 21 | 7 | 0 | 0 | 30 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DEIR EZZOR (A)—SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurr nces of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 10 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 5 | 3 | 1 | 2 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 6 | 3 | 1 | 3 | 20 |
| 0300 | 9 | 0 | 0 | 1–10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 4 | 3 | 1 | 3 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 4 | 3 | 1 | 3 | 21 |
| 0600 | 8 | 0 | 0 | 1–10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 5 | 0 | 0 | 2 | 16 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 9 | 0 | 0 | 3 | 22 |
| 0900 | 3 | 0 | 0 | 1–10 | 5 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 1 | 3 | 1 | 1 | 2 | 20 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 1 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 1 | 8 | 1 | 1 | 3 | 27 |
| 1200 | 5 | 0 | 0 | 1–10 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 2 | 4 | 2 | 0 | 0 | 19 |
| | | | | 11–27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 2 | 7 | 3 | 0 | 0 | 25 |
| 1500 | 5 | 0 | 0 | 1–10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 6 | 3 | 1 | 1 | 4 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 7 | 3 | 1 | 1 | 4 | 25 |
| 1800 | 17 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 1 | 2 | 1 | 1 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 1 | 2 | 1 | 2 | 13 |
| 2100 | 11 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 2 | 0 | 2 | 3 | 16 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 2 | 0 | 3 | 3 | 19 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## RAQQA — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 2 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 3 | 1 | 1 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 3 | 0 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 16 | 6 | 1 | 1 | 28 |
| 0300 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 6 | 1 | 1 | 20 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 0 | 1 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 15 | 6 | 2 | 1 | 29 |
| 0600 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 5 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 3 | 0 | 1 | 24 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 20 | 3 | 1 | 1 | 29 |
| 0900 | 0 | 0 | 0 | 1–10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 1 | 2 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 9 | 6 | 0 | 0 | 18 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 12 | 9 | 1 | 2 | 30 |
| 1200 | 1 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 1 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 12 | 3 | 0 | 0 | 20 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 3 | 15 | 7 | 0 | 1 | 29 |
| 1500 | 1 | 0 | 0 | 1–10 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 2 | 1 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 9 | 4 | 1 | 0 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 15 | 5 | 3 | 1 | 29 |
| 1800 | 3 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 5 | 0 | 1 | 14 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 6 | 0 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 7 | 11 | 0 | 1 | 27 |
| 2100 | 2 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 3 | 3 | 0 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 1 | 0 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 19 | 4 | 3 | 0 | 28 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## QAMISHLIE (A) — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All |
| 0000 | 7 | 0 | 0 | 1-10 | 8 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 1 |
| | | | | 11-27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | **13** | **1** | **1** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **4** | **1** |
| 0300 | 8 | 0 | 0 | 1-10 | 7 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 |
| | | | | 11-27 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | **9** | **6** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **3** | **2** |
| 0600 | 8 | 0 | 0 | 1-10 | 6 | 3 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 |
| | | | | 11-27 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | **9** | **5** | **2** | **1** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **0** | **1** | **0** | **2** |
| 0900 | 4 | 0 | 0 | 1-10 | 4 | 3 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 1 | 3 | 5 | 0 | 1 | 4 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | **4** | **3** | **0** | **0** | **1** | **0** | **1** | **0** | **3** | **0** | **1** | **3** | **5** | **0** | **1** | **4** | **2** |
| 1200 | 3 | 0 | 0 | 1-10 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 7 | 2 | 0 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | **2** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **5** | **6** | **7** | **2** | **2** | **2** |
| 1500 | 3 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 11 | 4 | 4 | 1 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **2** | **13** | **4** | **4** | **1** | **2** |
| 1800 | 6 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 1 | 3 | 7 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **6** | **1** | **3** | **7** | [illegible] |
| 2100 | 9 | 0 | 0 | 1-10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 8 | [illegible] |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | **7** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **0** | **4** | **8** | [illegible] |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## SALLUM — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 10 | 0 | 0 | 1–10 | 9 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 18 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **0** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **7** | **20** |
| 0300 | 8 | 0 | 0 | 1–10 | 9 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **1** | **2** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **8** | **22** |
| 0600 | 3 | 0 | 0 | 1–10 | 10 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 8 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **10** | **1** | **1** | **0** | **1** | **0** | **0** | **0** | **1** | **2** | **3** | **8** | **27** |
| 0900 | 3 | 0 | 0 | 1–10 | 10 | 6 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 24 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **10** | **7** | **2** | **2** | **0** | **0** | **0** | **0** | **1** | **1** | **1** | **3** | **27** |
| 1200 | 0 | 0 | 0 | 1–10 | 6 | 9 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 |
| | | | | 11–27 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **13** | **4** | **0** | **1** | **0** | **0** | **0** | **0** | **1** | **0** | **2** | **30** |
| 1500 | 0 | 0 | 0 | 1–10 | 8 | 9 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| | | | | 11–27 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **11** | **7** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **30** |
| 1800 | 11 | 0 | 0 | 1–10 | 7 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **5** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **5** | **19** |
| 2100 | 13 | 0 | 0 | 1–10 | 6 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **2** | **2** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **4** | **17** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MERSA MATRUH (A) — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 4 | 2 | 0 | 2 | 16 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **0** | **0** | **0** | **0** | **0** | **2** | **4** | **4** | **2** | **0** | **10** | **25** |
| 0300 | 2 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 4 | 1 | 0 | 5 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **0** | **0** | **0** | **0** | **2** | **8** | **4** | **1** | **1** | **10** | **28** |
| 0600 | 2 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 3 | 3 | 0 | 1 | 15 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 8 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **0** | **0** | **0** | **0** | **0** | **1** | **6** | **4** | **3** | **1** | **9** | **28** |
| 0900 | 0 | 0 | 0 | 1–10 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 14 |
| | | | | 11–27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **3** | **19** | **30** |
| 1200 | 0 | 0 | 0 | 1–10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 |
| | | | | 11–27 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 12 | 23 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **16** | **30** |
| 1500 | 0 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 11–27 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 | 27 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **19** | **30** |
| 1800 | 2 | 0 | 0 | 1–10 | 6 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 7 | 19 |
| | | | | 11–27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **8** | **3** | **0** | **1** | **0** | **1** | **0** | **0** | **0** | **0** | **3** | **12** | **28** |
| 2100 | 6 | 0 | 0 | 1–10 | 5 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 1 | 4 | 15 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **1** | **0** | **0** | **1** | **1** | **0** | **0** | **2** | **0** | **2** | **10** | **24** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEXANDRIA (A) — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 8 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 18 | 22 |
| 0300 | 10 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 7 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 16 | 20 |
| 0600 | 2 | 0 | 0 | 1-10 | 3 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 1 | 1 | 7 | 18 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 1 | 3 | 14 | 28 |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 13 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 12 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 19 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 15 | 27 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 17 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 6 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 17 | 24 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 21 | 30 |
| 1800 | 0 | 0 | 0 | 1-10 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 15 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 | 30 |
| 2100 | 5 | 0 | 0 | 1-10 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 17 | 25 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DEKHEILA (A) — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 6 | 0 | 0 | 1–10 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 |
| | | | | 11–27 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **13** | **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **6** | **24** |
| 0300 | 7 | 0 | 0 | 1–10 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 13 |
| | | | | 11–27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **10** | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **8** | **23** |
| 0600 | 0 | 0 | 0 | 1–10 | 6 | 4 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 1 | 1 | 4 | 22 |
| | | | | 11–27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **4** | **1** | **0** | **1** | **1** | **0** | **1** | **2** | **1** | **1** | **7** | **30** |
| 0900 | 0 | 0 | 0 | 1–10 | 13 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 19 |
| | | | | 11–27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **15** | **3** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **2** | **9** | **30** |
| 1200 | 0 | 0 | 0 | 1–10 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 9 |
| | | | | 11–27 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **17** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **8** | **30** |
| 1500 | 0 | 0 | 0 | 1–10 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 |
| | | | | 11–27 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 20 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **16** | **7** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **6** | **30** |
| 1800 | 0 | 0 | 0 | 1–10 | 4 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 |
| | | | | 11–27 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 18 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **16** | **7** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **6** | **30** |
| 2100 | 1 | 0 | 0 | 1–10 | 7 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 |
| | | | | 11–27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **15** | **5** | **3** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **5** | **29** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## PORT SAID (A) — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 0 | 0 | 0 | 1–10 | 6 | 4 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 6 | 1 | 5 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **4** | **1** | **1** | **0** | **1** | **0** | **0** | **0** | **8** | **2** | **7** | **30** |
| 0300 | 1 | 0 | 0 | 1–10 | 6 | 5 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 5 | 1 | 2 | 24 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **5** | **0** | **0** | **0** | **1** | **1** | **0** | **3** | **7** | **3** | **2** | **29** |
| 0600 | 0 | 0 | 0 | 1–10 | 7 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 1 | 5 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **2** | **2** | **0** | **0** | **0** | **0** | **0** | **6** | **6** | **2** | **5** | **30** |
| 0900 | 0 | 0 | 0 | 1–10 | 10 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 2 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **10** | **2** | **2** | **0** | **0** | **0** | **0** | **0** | **3** | **7** | **3** | **3** | **30** |
| 1200 | 0 | 0 | 0 | 1–10 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 22 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **13** | **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **10** | **30** |
| 1500 | 0 | 0 | 0 | 1–10 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 11–27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **15** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **11** | **30** |
| 1800 | 0 | 0 | 0 | 1–10 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 |
| | | | | 11–27 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 6 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **12** | **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **2** | **9** | **30** |
| 2100 | 0 | 0 | 0 | 1–10 | 7 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 18 |
| | | | | 11–27 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **8** | **4** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **3** | **10** | **30** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## EL ARISH — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 13 | 0 | 0 | 1–10 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 4 | 4 | 2 | 2 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 4 | 4 | 2 | 2 | 17 |
| 0300 | 12 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 9 | 4 | 0 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 9 | 4 | 0 | 0 | 18 |
| 0600 | 10 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 13 | 2 | 0 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 13 | 2 | 0 | 0 | 20 |
| 0900 | 0 | 0 | 0 | 1–10 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 15 | 28 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 15 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 14 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 16 | 30 |
| 1500 | 0 | 0 | 0 | 1–10 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 17 | 30 |
| 1800 | 2 | 0 | 0 | 1–10 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 28 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 28 |
| 2100 | 12 | 0 | 0 | 1–10 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 3 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 3 | 18 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ABU SUEIR (A) — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 354 | All directions |
| 0000 | 13 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 2 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 2 | 17 |
| 0300 | 13 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 6 | 3 | 1 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 6 | 3 | 1 | 17 |
| 0600 | 10 | 0 | 0 | 1–10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 1 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 1 | 20 |
| 0900 | 3 | 0 | 0 | 1–10 | 5 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 3 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 3 | 27 |
| 1200 | 1 | 0 | 0 | 1–10 | 7 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 19 |
| | | | | 11–27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 9 | 29 |
| 1500 | 0 | 0 | 0 | 1–10 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 9 |
| | | | | 11–27 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 30 |
| 1800 | 0 | 0 | 0 | 1–10 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 21 |
| | | | | 11–27 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 30 |
| 2100 | 9 | 0 | 0 | 1–10 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 5 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 5 | 21 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## CAIRO (A) —SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 11 | 0 | 0 | 1–10 | 3 | 1 | 0 | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **1** | **0** | **6** | **7** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **19** |
| 0300 | 13 | 0 | 0 | 1–10 | 0 | 4 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 3 | 1 | 3 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **4** | **0** | **0** | **3** | **0** | **0** | **3** | **0** | **3** | **1** | **3** | **17** |
| 0600 | 3 | 0 | 0 | 1–10 | 4 | 3 | 4 | 3 | 1 | 0 | 0 | 0 | 3 | 2 | 3 | 4 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **3** | **4** | **3** | **1** | **0** | **0** | **0** | **3** | **2** | **3** | **4** | **27** |
| 0900 | 0 | 0 | 0 | 1–10 | 6 | 4 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 7 | 28 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **4** | **3** | **5** | **0** | **0** | **0** | **0** | **0** | **3** | **2** | **7** | **30** |
| 1200 | 0 | 0 | 0 | 1–10 | 6 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **13** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **11** | **30** |
| 1500 | 0 | 0 | 0 | 1–10 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 25 |
| | | | | 11–27 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **8** | **8** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **11** | **30** |
| 1800 | 0 | 0 | 0 | 1–10 | 6 | 5 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 27 |
| | | | | 11–27 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **7** | **8** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **7** | **30** |
| 2100 | 5 | 0 | 0 | 1–10 | 5 | 3 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 1 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **3** | **6** | **3** | **0** | **0** | **0** | **0** | **0** | **7** | **0** | **1** | **25** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALMAZA (A) — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 1 | 0 | 0 | 1–10 | 5 | 5 | 9 | 5 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **5** | **9** | **5** | **0** | **1** | **0** | **0** | **0** | **2** | **0** | **2** | **29** |
| 0300 | 3 | 0 | 0 | 1–10 | 2 | 3 | 5 | 6 | 4 | 1 | 1 | 0 | 2 | 1 | 1 | 1 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **3** | **5** | **6** | **4** | **1** | **1** | **0** | **2** | **1** | **1** | **1** | **27** |
| 0600 | 1 | 0 | 0 | 1–10 | 2 | 4 | 7 | 7 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 4 | 28 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **5** | **7** | **7** | **0** | **1** | **0** | **0** | **0** | **2** | **1** | **4** | **29** |
| 0900 | 0 | 0 | 0 | 1–10 | 2 | 7 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 21 |
| | | | | 11–27 | 1 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **9** | **7** | **6** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **3** | **30** |
| 1200 | 0 | 0 | 0 | 1–10 | 2 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 19 |
| | | | | 11–27 | 1 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **11** | **8** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **6** | **30** |
| 1500 | 0 | 0 | 0 | 1–10 | 5 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 11–27 | 1 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **15** | **9** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **30** |
| 1800 | 0 | 0 | 0 | 1–10 | 7 | 5 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| | | | | 11–27 | 0 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **8** | **12** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **30** |
| 2100 | 0 | 0 | 0 | 1–10 | 5 | 8 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 29 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **8** | **10** | **6** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **3** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABBASIYA (H.Q.) — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 13 | 0 | 0 | 1–10 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 17 |
| 0300 | 24 | 0 | 0 | 1–10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 6 |
| 0600 | 1 | 0 | 0 | 1–10 | 10 | 4 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 2 | 5 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 4 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 2 | 5 | 29 |
| 0900 | 0 | 0 | 0 | 1–10 | 6 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 8 | 30 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 8 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 10 | 30 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 10 | 30 |
| 1500 | 0 | 0 | 0 | 1–10 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 13 | 30 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 13 | 30 |
| 1800 | 0 | 0 | 0 | 1–10 | 11 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 30 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 30 |
| 2100 | 4 | 0 | 0 | 1–10 | 13 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 26 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 26 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MOSTAFA HELMI (A) — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 8 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 5 | 28 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 5 | 29 |
| 0300 | 3 | 0 | 0 | 1-10 | 9 | 3 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 4 | 4 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 3 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 4 | 4 | 27 |
| 0600 | 1 | 0 | 0 | 1-10 | 3 | 9 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 3 | 23 |
| | | | | 11-27 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | All speeds | 4 | 10 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 1 | 5 | 29 |
| 0900 | 0 | 0 | 0 | 1-10 | 3 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 18 |
| | | | | 11-27 | 4 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 11 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 4 | 13 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 |
| | | | | 11-27 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 14 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 |
| | | | | 11-27 | 6 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 17 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 30 |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 11-27 | 10 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 28 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 18 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 |
| 2100 | 0 | 0 | 0 | 1-10 | 3 | 7 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 21 |
| | | | | 11-27 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 30 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## GIZA — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 9 | 0 | 0 | 1–10 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **10** | **21** |
| 0300 | 18 | 0 | 0 | 1–10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **8** | **12** |
| 0600 | 8 | 0 | 0 | 1–10 | 11 | 5 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **5** | **1** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **2** | **2** | **22** |
| 0900 | 0 | 0 | 0 | 1–10 | 11 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 30 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **13** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **3** | **30** |
| 1200 | 0 | 0 | 0 | 1–10 | 16 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 30 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **16** | **9** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **5** | **30** |
| 1500 | 0 | 0 | 0 | 1–10 | 16 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 30 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **16** | **10** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **30** |
| 1800 | 1 | 0 | 0 | 1–10 | 18 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **18** | **7** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **29** |
| 2100 | 5 | 0 | 0 | 1–10 | 14 | 6 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **14** | **6** | **1** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **2** | **25** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MINYA (A) — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 21 |
| | | | | 11–27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **19** | **30** |
| 0300 | 3 | 0 | 0 | 1–10 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 | 23 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **21** | **27** |
| 0600 | 0 | 0 | 0 | 1–10 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 18 |
| | | | | 11–27 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **20** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **7** | **30** |
| 0900 | 0 | 0 | 0 | 1–10 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 14 |
| | | | | 11–27 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **14** | **6** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **10** | **30** |
| 1200 | 0 | 0 | 0 | 1–10 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 16 |
| | | | | 11–27 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **14** | **5** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **10** | **30** |
| 1500 | 0 | 0 | 0 | 1–10 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| | | | | 11–27 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **24** | **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **30** |
| 1800 | 4 | 0 | 0 | 1–10 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 18 |
| | | | | 11–27 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **15** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **7** | **26** |
| 2100 | 2 | 0 | 0 | 1–10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 16 |
| | | | | 11–27 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **12** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **14** | **28** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ASYOUT (A)—SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 3 | 4 | 24 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **15** | **3** | **6** | **28** |
| 0300 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 21 | 2 | 3 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **22** | **2** | **3** | **28** |
| 0600 | 2 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 7 | 9 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **11** | **7** | **9** | **28** |
| 0900 | 1 | 0 | 0 | 1-10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 13 | 23 |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **1** | **15** | 29 |
| 1200 | 0 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 18 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | 4 | **20** | **30** |
| 1500 | 0 | 0 | 0 | 1-10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 16 | 24 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | 3 | **20** | **30** |
| 1800 | 5 | 0 | 0 | 1-10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 6 | 7 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **4** | **7** | **8** | **25** |
| 2100 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 15 | 3 | 2 | 24 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **3** | **15** | **3** | **4** | **28** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## LUXOR (A) — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 20 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 0 | 0 | 0 | 3 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 0 | 0 | 0 | 3 | 10 |
| 0300 | 27 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| 0600 | 23 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 7 |
| 0900 | 13 | 0 | 0 | 1-10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 8 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 8 | 17 |
| 1200 | 11 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 12 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 13 | 19 |
| 1500 | 13 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 9 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 10 | 17 |
| 1800 | 20 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 10 |
| 2100 | 19 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 5 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 5 | 11 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ASWAN — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 18 | 0 | 0 | 1–10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **12** |
| 0300 | 21 | 0 | 0 | 1–10 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **9** |
| 0600 | 12 | 0 | 0 | 1–10 | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **15** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **18** |
| 0900 | 8 | 0 | 0 | 1–10 | 18 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **18** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **22** |
| 1200 | 9 | 0 | 0 | 1–10 | 16 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **16** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **2** | **21** |
| 1500 | 7 | 0 | 0 | 1–10 | 15 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **15** | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **3** | **23** |
| 1800 | 7 | 0 | 0 | 1–10 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 20 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **15** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **0** | **7** | **23** |
| 2100 | 13 | 0 | 0 | 1–10 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 15 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **13** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **17** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## SIWA — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 12 | 0 | 0 | 1–10 | 2 | 2 | 2 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 2 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 0300 | 19 | 0 | 0 | 1–10 | 5 | 0 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 0600 | 16 | 0 | 0 | 1–10 | 4 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 14 |
| 0900 | 1 | 0 | 0 | 1–10 | 4 | 5 | 1 | 2 | 2 | 7 | 0 | 1 | 0 | 4 | 1 | 1 | 28 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 6 | 1 | 2 | 2 | 7 | 0 | 1 | 0 | 4 | 1 | 1 | 29 |
| 1200 | 1 | 0 | 0 | 1–10 | 5 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 5 | 4 | 24 |
| | | | | 11–27 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 5 | 2 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 5 | 5 | 29 |
| 1500 | 0 | 0 | 0 | 1–10 | 8 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 24 |
| | | | | 11–27 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 30 |
| 1800 | 8 | 0 | 0 | 1–10 | 6 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 18 |
| | | | | 11–27 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 22 |
| 2100 | 9 | 0 | 0 | 1–10 | 0 | 4 | 8 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 4 | 10 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 21 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## BAHARIYA — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 11 | 0 | 0 | 1–10 | 4 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **14** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **19** |
| 0300 | 17 | 0 | 0 | 1–10 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **13** |
| 0600 | 9 | 0 | 0 | 1–10 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **15** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **21** |
| 0900 | 3 | 0 | 0 | 1–10 | 2 | 10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 22 |
| | | | | 11–27 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **14** | **4** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **5** | **27** |
| 1200 | 0 | 0 | 0 | 1–10 | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 |
| | | | | 11–27 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **12** | **10** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **6** | **30** |
| 1500 | 1 | 0 | 0 | 1–10 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 14 |
| | | | | 11–27 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 15 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **10** | **11** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **7** | **29** |
| 1800 | 1 | 0 | 0 | 1–10 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 20 |
| | | | | 11–27 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **14** | **9** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **6** | **29** |
| 2100 | 4 | 0 | 0 | 1–10 | 4 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 |
| | | | | 11–27 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **19** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **26** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DAKHLA — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 5 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 9 | 2 | 2 | 24 |
| | | | | 11-27 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 2 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 9 | 2 | 2 | 29 |
| 0300 | 0 | 0 | 0 | 1-10 | 4 | 2 | 1 | 2 | 0 | 1 | 3 | 2 | 2 | 8 | 1 | 1 | 27 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 1 | 2 | 0 | 1 | 3 | 2 | 2 | 8 | 1 | 2 | 30 |
| 0600 | 0 | 0 | 0 | 1-10 | 4 | 0 | 2 | 2 | 2 | 1 | 0 | 1 | 4 | 6 | 3 | 2 | 27 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 2 | 2 | 2 | 1 | 0 | 1 | 4 | 7 | 3 | 2 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 6 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 15 |
| | | | | 11-27 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 11 |
| | | | | 11-27 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 10 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 6 |
| | | | | 11-27 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 24 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 30 |
| 1800 | 2 | 0 | 0 | 1-10 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 8 | 24 |
| | | | | 11-27 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 8 | 28 |
| 2100 | 1 | 0 | 0 | 1-10 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 3 | 23 |
| | | | | 11-27 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 3 | 29 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## HURGHADA — SEPTEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 11 | 20 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 14 | 30 |
| 0300 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 4 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 14 | 19 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 18 | 30 |
| 0600 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 29 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 30 |
| 0900 | 0 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 29 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11–27 | 23 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 24 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 1500 | 0 | 0 | 0 | 1–10 | 6 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 10 |
| | | | | 11–27 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 20 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 19 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 30 |
| 1800 | 3 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 16 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 21 | 27 |
| 2100 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 5 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 8 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 12 | 13 | 30 |

## TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A)— 1200 U.T. — SEPTEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 963mb | 971mb | 959mb | 29 | 29.1 | 32.0 | 23.9 | 29 | 8·4 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 29 | 1479 | 1536 | 1426 | 29 | 18.8 | 23.3 | 13.3 | 29 | 2.6 |
| 700 ... ... ... ... | 29 | 3105 | 3141 | 3031 | 29 | 7.3 | 14.3 | 1.3 | 29 | — 8.0 |
| 600 ... ... ... ... | 29 | 4355 | 4416 | 4260 | 29 | 0.5 | 7.3 | — 6.1 | 29 | —15.8 |
| 500 ... ... ... ... | 29 | 5800 | 5870 | 5680 | 29 | — 8.3 | — 0.8 | —15.4 | 29 | —26.2 |
| 400 ... ... ... ... | 29 | 7490 | 7600 | 7340 | 29 | —20.0 | —13.5 | —26.7 | 27 | —36.3 |
| 300 ... ... ... ... | 29 | 9550 | 9710 | 9370 | 29 | —34.5 | —29.2 | —41.0 | 25 | —49.1 |
| 200 ... ... ... ... | 23 | 12260 | 12490 | 12030 | 23 | —50.9 | —45.3 | —59.7 | — | — |
| 150 ... ... ... ... | 22 | 14100 | 14360 | 13840 | 22 | —58.5 | —53.5 | —63.7 | — | — |
| 100 ... ... ... ... | 15 | 16610 | 16900 | 16380 | 15 | —63.5 | —55.0 | —67.4 | — | — |
| 60 ... ... ... ... | 5 | 19690 | 19800 | 19580 | 5 | —62.0 | —58.5 | —66.7 | — | — |
| 40 ... ... ... ... | 1 | 22130 | — | — | 1 | —56.3 | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 0000 U.T. — SEPTEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 17 | 1007mb | 1011mb | 1004mb | 17 | 22.5 | 25.0 | 18.7 | 17 | 16.2 |
| 1000 ... ... ... ... | 17 | 106 | 137 | 77 | 17 | 22.2 | 24.7 | 18.4 | 17 | 16.2 |
| 850 ... ... ... ... | 17 | 1505 | 1540 | 1477 | 17 | 16.3 | 23.0 | 10.3 | 17 | 4.6 |
| 700 ... ... ... ... | 17 | 3134 | 3186 | 3069 | 17 | 8.4 | 15.0 | 2.6 | 12 | — 3.5 |
| 600 ... ... ... ... | 17 | 4389 | 4440 | 4298 | 17 | 0.4 | 5.7 | — 4.5 | 4 | — 9.8 |
| 500 ... ... ... ... | 17 | 5824 | 5872 | 5709 | 17 | — 9.0 | — 4.8 | —13.5 | — | — |
| 400 ... ... ... ... | 16 | 7519 | 7609 | 7371 | 16 | —20.7 | —15.3 | —25.2 | — | — |
| 300 ... ... ... ... | 13 | 9595 | 9703 | 9440 | 13 | —34.9 | —30.6 | —39.2 | — | — |
| 200 ... ... ... ... | 6 | 12375 | 12463 | 12200 | 6 | —51.2 | —49.8 | —54.0 | — | — |
| 150 ... ... ... ... | 4 | 14231 | 14382 | 14028 | 4 | —63.3 | —61.4 | —65.1 | — | — |
| 100 ... ... ... ... | 4 | 16658 | 16811 | 16486 | 4 | —73.5 | —66.6 | —78.8 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 1200 U.T. — SEPTEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 18 | 1008mb | 1012mb | 1003mb | 18 | 26.6 | 28.4 | 24.5 | 18 | 18.6 |
| 1000 ... ... ... ... | 18 | 112 | 147 | 68 | 18 | 25.9 | 28.0 | 23.9 | 18 | 17.1 |
| 850 ... ... ... ... | 18 | 1517 | 1544 | 1483 | 18 | 16.3 | 23.0 | 11.0 | 16 | 12.2 |
| 700 ... ... ... ... | 18 | 3146 | 3202 | 3079 | 18 | 8.6 | 14.3 | 4.5 | 11 | — 4.7 |
| 600 ... ... ... ... | 18 | 4400 | 4464 | 4321 | 18 | 1.3 | 5.0 | — 2.6 | 5 | —11.0 |
| 500 ... ... ... ... | 18 | 5846 | 5920 | 5746 | 18 | — 8.0 | — 5.3 | —11.4 | 2 | —20.8 |
| 400 ... ... ... ... | 18 | 7541 | 7630 | 7430 | 18 | —20.1 | —16.7 | —24.8 | — | — |
| 300 ... ... ... ... | 15 | 9604 | 9719 | 9461 | 15 | —34.7 | —30.5 | —38.8 | — | — |
| 200 ... ... ... ... | 10 | 12367 | 12489 | 12239 | 10 | —49.2 | —46.8 | —56.0 | — | — |
| 150 ... ... ... ... | 6 | 14232 | 14323 | 14112 | 6 | —61.2 | —59.4 | —63.2 | — | — |
| 100 ... ... ... ... | 4 | 16680 | 16751 | 16634 | 4 | —71.4 | —66.7 | —74.9 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 0000 U.T. — SEPTEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1006mb | 1010mb | 1002mb | 29 | 21.7 | 25.2 | 19.4 | 29 | 17.1 |
| 1000 ... ... ... ... | 29 | 120 | 156 | 88 | 29 | 21.4 | 25.1 | 19.0 | 28 | 16.9 |
| 850 ... ... ... ... | 29 | 1515 | 1545 | 1486 | 29 | 16.5 | 25.0 | 8.6 | 25 | 3.1 |
| 700 ... ... ... ... | 29 | 3145 | 3198 | 3095 | 29 | 8.9 | 16.0 | 4.0 | 7 | — 6.2 |
| 600 ... ... ... ... | 29 | 4403 | 4470 | 4321 | 29 | 1.6 | 7.5 | — 3.2 | 3 | —14 5 |
| 500 ... ... ... ... | 29 | 5851 | 5962 | 5735 | 29 | — 7.6 | — 3.1 | —12.7 | 2 | —14.4 |
| 400 ... ... ... ... | 29 | 7553 | 7648 | 7398 | 29 | —17.2 | —13.6 | —24.7 | — | — |
| 300 ... ... ... ... | 29 | 9632 | 9757 | 9425 | 29 | —33.1 | —28.5 | —40.3 | — | — |
| 200 ... ... ... ... | 26 | 12388 | 12534 | 12089 | 26 | —51.2 | —47.8 | —57.0 | — | — |
| 150 ... ... ... ... | 23 | 14226 | 14363 | 14011 | 23 | —62.8 | —59.5 | —64.8 | — | — |
| 100 ... ... ... ... | 16 | 16674 | 16800 | 16458 | 16 | —72.7 | —64.6 | —80.4 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 1200 U.T. — SEPTEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1004mb | 1008mb | 1000mb | 29 | 30.8 | 36.6 | 26.8 | 29 | 14.3 |
| 1000 ... ... ... ... | 29 | 105 | 133 | 70 | 29 | 30.4 | 36.3 | 26.7 | 29 | 14.1 |
| 850 ... ... ... ... | 29 | 1520 | 1556 | 1480 | 29 | 16.7 | 23.6 | 10.2 | 24 | 5.0 |
| 700 ... ... ... ... | 29 | 3151 | 3214 | 3106 | 29 | 8.8 | 16.7 | 2.0 | 11 | — 6.7 |
| 600 ... ... ... ... | 29 | 4410 | 4475 | 4361 | 29 | 2.0 | 7.2 | — 4.1 | — | — |
| 500 ... ... ... ... | 29 | 5855 | 5939 | 5772 | 28 | — 6.9 | — 2.1 | —12.1 | — | — |
| 400 ... ... ... ... | 29 | 7558 | 7664 | 7447 | 29 | —18.5 | —13.4 | —25.7 | — | — |
| 300 ... ... ... ... | 29 | 9641 | 9785 | 9474 | 29 | —31.2 | —25.6 | —40.1 | — | — |
| 200 ... ... ... ... | 26 | 12398 | 12574 | 12219 | 26 | —50.2 | —45.8 | —56.1 | — | — |
| 150 ... ... ... ... | 17 | 14258 | 14450 | 14072 | 17 | —61.2 | —58.4 | —64.7 | — | — |
| 100 ... ... ... ... | 12 | 16770 | 16913 | 16529 | 12 | —72.3 | —70.7 | —74.3 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 0000 U.T. — SEPTEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 23 | 994mb | 1000mb | 990mb | 23 | 26.1 | 29.6 | 19.9 | 23 | 9.8 |
| 1000 ... ... ... ... | 23 | 1481 | 1526 | 1447 | 23 | 21·4 | 26·8 | 14·6 | 12 | 1·3 |
| 850 ... ... ... ... | 23 | 3132 | 3174 | 3101 | 23 | 11.5 | 15.6 | 7.0 | 11 | — 4.0 |
| 700 ... ... ... ... | 23 | 4399 | 4443 | 4363 | 23 | 2.4 | 6.0 | — 3.3 | 8 | — 7.8 |
| 600 ... ... ... ... | 23 | 5848 | 5886 | 5810 | 23 | —5.7 | — 5.0 | —10.3 | — | — |
| 500 ... ... ... ... | 23 | 7557 | 7591 | 7519 | 23 | —17.6 | —12.8 | —20.3 | — | — |
| 400 ... ... ... ... | 23 | 9658 | 9744 | 9590 | 23 | —32.2 | —29.1 | —35·4 | — | — |
| 300 ... ... ... ... | 21 | 12389 | 12468 | 12300 | 21 | —53.8 | —51.5 | —57.6 | — | — |
| 200 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 150 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 1200 U.T. — SEPTEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 26 | 995mb | 1000mb | 990mb | 26 | 38.3 | 43.0 | 33.0 | 26 | 9.6 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 26 | 1505 | 1533 | 1473 | 26 | 24.5 | 32.6 | 18.6 | 15 | 1.4 |
| 700 ... ... ... ... | 26 | 3172 | 3203 | 3142 | 26 | 13.9 | 19.8 | 8.7 | 14 | — 5.6 |
| 600 ... ... ... ... | 26 | 4448 | 4504 | 4407 | 26 | 4.8 | 9.0 | 0.8 | 9 | —10.6 |
| 500 ... ... ... ... | 26 | 5910 | 5977 | 5862 | 26 | — 3.9 | — 1.0 | — 7·2 | — | — |
| 400 ... ... ... ... | 26 | 7635 | 7717 | 7578 | 26 | —15.1 | —11.9 | —17.3 | — | — |
| 300 ... .. ... ... | 24 | 9750 | 9845 | 9660 | 24 | —30.4 | —27.8 | —35.0 | — | — |
| 200 ... ... ... ... | 22 | 12509 | 12640 | 12410 | 22 | —51.9 | —49.2 | —55.0 | — | — |
| 150 ... ... ... ... | 18 | 14313 | 14462 | 14165 | 18 | —65.9 | —63.3 | —68.4 | — | — |
| 100 ... ... ... ... | 12 | 16668 | 16829 | 16554 | 12 | —77.8 | —71.3 | —84.7 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... .. | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE: THE HIGHEST WIND SPEED IN THE UPPER AIR

### 0000 U.T. — SEPTEMBER 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Spe d in knots |
| Aleppo (A) ... ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mersa Matruh (A) ... ... ... ... ... ... | 4407 (17) | 596 (17) | — | 5400 | 550 | — | 3540 | 660 | — | — | — | — | — | — | — | — | — | — | 14800 | — | 280 | 78 |
| Cairo (A) ... ... ... ... ... ... | 4634 (29) | 584 (29) | — | 5500 | 526 | — | 3350 | 678 | — | 15086 (11) | 127 (11) | —65.4 (11) | 16910 | 97 | —78.0 | 12230 | 203 | —49.2 | 12450 | 194 | 230 | 92 |
| Aswan ... ... ... ... ... ... ... ... ... ... | 4768 (23) | 567 (23) | —9.6 (23) | 5160 | 546 | — | 4000 | 630 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

N = Total number of observations.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE ; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 1200 U.T. — SEPTEMBER 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... | 4463 (29) | 592 (29) | —17.1 (29) | 5485 | — | — | 3420 | — | — | 14645 (12) | 141 (12) | —62.5 (12) | 16640 | — | — | 10810 | — | — | 11900 | 215 | 260 | 120 |
| Mersa Matruh (A) ... ... ... ... ... ... | 4632 (18) | 584 (18) | —12.8 (18) | 5240 | 544 | — | 4020 | 625 | — | — | — | — | — | — | — | — | — | — | 5500 | 455 | 360 | 129 |
| Cairo (A) ... ... ... ... ... ... | 4687 (29) | 580 (29) | — | 5540 | 524 | — | 3560 | 666 | — | 15576 (10) | 124 (10) | —68.2 (10) | 18130 | 80 | —75.5 | 14100 | 158 | —57.6 | 11060 | 238 | 240 | 104 |
| Aswan ... ... ... ... ... ... ... ... ... ... | 5207 (26) | 544 (26) | —13.9 (6) | 5700 | 515 | —10.3 | 4650 | 584 | —16.3 | — | — | — | | — | — | — | — | — | 11850 | 216 | 230 | 60 |

N = Total number of observations.

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

**ALEPPO (A) — 1200 U.T. — SEPTEMBER 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 1 | 7 | 1 | 7 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 13 | 8 | 12 | 16 | 15 | 1 | 22 | 0 | — | 1 | 29 | 13 |
| 1000 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... | 0 | — | 0 | — | 0 | — | 1 | 3 | 0 | — | 0 | — | 1 | 8 | 0 | — | 7 | 16 | 14 | 15 | 4 | 9 | 1 | 9 | 0 | 28 | 14 |
| 700 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 7 | 1 | 12 | 7 | 20 | 14 | 18 | 4 | 11 | 1 | 5 | 0 | 28 | 16 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 21 | 8 | 27 | 9 | 29 | 4 | 16 | 1 | 9 | 0 | 25 | 25 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 31 | 8 | 37 | 11 | 26 | 1 | 22 | 0 | — | 0 | 26 | 30 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 35 | 11 | 49 | 10 | 37 | 1 | 40 | 0 | — | 0 | 25 | 42 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 68 | 13 | 56 | 6 | 39 | 1 | 42 | 0 | — | 0 | 23 | 53 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 12 | 73 | 3 | 57 | 0 | — | 0 | — | 0 | 15 | 70 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 40 | 9 | 73 | 1 | 70 | 0 | — | 0 | — | 0 | 10 | 73 |
| 100 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | — | 2 | 40 | 0 | — | 0 | — | 0 | — | 0 | 3 | 40 |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

**Page 565.—Table B 3 — Aleppo (A) — 1200 U.T. — under the range 195 — 224°($ff_m$)**

Against pressure surfaces 150 & 100 mb. :

*Replace* " 40 & — " *by* " — & 40 " respectively.

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

**MERSA MATRUH (A) — 0000 U.T. — SEPTEMBER 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 2 | 11 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 2 | 2 | 4 | 1 | 6 | 1 | 4 | 0 | — | 8 | 12 | 1 | 17 | 8 |
| 1000 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... | 2 | 25 | 1 | 20 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 26 | 0 | 4 | 24 |
| 700 ... ... | 1 | 20 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 53 | 2 | 32 | 2 | 14 | 0 | 6 | 28 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 20 | 0 | — | 0 | — | 1 | 16 | 0 | — | 1 | 60 | 2 | 34 | 1 | 18 | 0 | 6 | 30 |
| 500 ... ... | 1 | 18 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 13 | 4 | 41 | 0 | — | 0 | 6 | 33 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 24 | 1 | 23 | 3 | 24 | 0 | — | 0 | 5 | 24 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 34 | 2 | 46 | 0 | — | 0 | 5 | 39 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 54 | 0 | — | 0 | — | 0 | 2 | 54 |
| 150 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## MERSA MATRUH (A)—1200 U.T.—SEPTEMBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 6 | 13 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 17 | 9 | 15 | 0 | 18 | 15 |
| 1000 ... | 5 | 13 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 7 | 1 | 6 | 1 | 7 | 5 | 15 | 0 | 13 | 13 |
| 850 ... | 1 | 20 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 12 | 7 | 20 | 6 | 20 | 0 | 16 | 19 |
| 700 ... | 3 | 23 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 10 | 20 | 4 | 16 | 0 | 17 | 19 |
| 600 ... | 2 | 17 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 23 | 9 | 19 | 2 | 19 | 0 | 17 | 19 |
| 500 ... | 1 | 23 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 16 | 5 | 17 | 7 | 21 | 1 | 15 | 0 | 17 | 19 |
| 400 ... | 1 | 20 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 19 | 8 | 26 | 6 | 28 | 0 | — | 0 | 17 | 26 |
| 300 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 25 | 7 | 38 | 3 | 31 | 0 | — | 0 | 12 | 34 |
| 200 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 39 | 3 | 39 | 0 | — | 0 | 8 | 39 |
| 150 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 26 | 1 | 21 | 1 | 30 | 0 | — | 0 | 3 | 26 |
| 100 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 19 | 0 | — | 0 | — | 0 | 2 | 19 |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## CAIRO (A) — 0000 U.T.— SEPTEMBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 3 | 3 | 2 | 3 | 0 | — | 6 | 3 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 3 | 3 | 3 | 6 | 3 | — | — | 9 | 30 | 2 |
| 1000 ... | 5 | 6 | 8 | 6 | 6 | 7 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 6 | 5 | 4 | 3 | 7 | 0 | 28 | 6 |
| 850 ... | 10 | 12 | 4 | 15 | 2 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 11 | 3 | 12 | 8 | 16 | 0 | 29 | 13 |
| 700 ... | 5 | 13 | 3 | 13 | 0 | — | 0 | — | 0 | — | 1 | 12 | 0 | — | 1 | 10 | 2 | 12 | 3 | 19 | 7 | 16 | 7 | 19 | 0 | 29 | 16 |
| 600 ... | 0 | — | 1 | 15 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 15 | 4 | 17 | 2 | 18 | 10 | 16 | 7 | 22 | 4 | 9 | 0 | 29 | 16 |
| 500 ... | 2 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 32 | 7 | 21 | 12 | 20 | 4 | 18 | 2 | 14 | 0 | 29 | 20 |
| 400 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 39 | 13 | 31 | 10 | 27 | 3 | 22 | 1 | 11 | 0 | 29 | 28 |
| 300 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 60 | 12 | 42 | 12 | 32 | 2 | 24 | 0 | — | 0 | 29 | 38 |
| 200 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 70 | 16 | 56 | 4 | 41 | 0 | — | 0 | — | 0 | 23 | 56 |
| 150 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 33 | 13 | 51 | 1 | 56 | 0 | — | 0 | — | 0 | 15 | 50 |
| 100 ... | 0 | — | 1 | 20 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 30 | 2 | 36 | 1 | 19 | 0 | — | 0 | — | 0 | 7 | 28 |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## CAIRO (A)—1200 U.T.—SEPTEMBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 6 | 8 | 7 | 8 | 1 | 10 | 1 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 9 | 7 | 7 | 0 | 29 | 8 |
| 1000 ... | 7 | 10 | 8 | 10 | 0 | — | 1 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 8 | 9 | 7 | 0 | 29 | 9 |
| 850 ... | 8 | 10 | 5 | 14 | 1 | 7 | 0 | — | 1 | 4 | 0 | — | 0 | — | 0 | — | 1 | 3 | 2 | 10 | 5 | 13 | 6 | 14 | 0 | 29 | 12 |
| 700 ... | 2 | 10 | 2 | 18 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 12 | 2 | 14 | 3 | 9 | 3 | 18 | 9 | 16 | 6 | 14 | 1 | 29 | 14 |
| 600 ... | 1 | 7 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 20 | 6 | 14 | 8 | 18 | 4 | 18 | 7 | 13 | 0 | 29 | 16 |
| 500 ... | 1 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 38 | 13 | 20 | 11 | 20 | 2 | 18 | 0 | — | 0 | 29 | 21 |
| 400 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 43 | 13 | 35 | 9 | 28 | 3 | 23 | 1 | 9 | 0 | 29 | 31 |
| 300 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 70 | 13 | 46 | 10 | 40 | 3 | 49 | 0 | — | 0 | 28 | 46 |
| 200 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 62 | 9 | 52 | 9 | 46 | 0 | — | 0 | — | 0 | 20 | 50 |
| 150 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 40 | 5 | 52 | 3 | 21 | 0 | — | 0 | — | 0 | 10 | 41 |
| 100 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 46 | 1 | 35 | 2 | 16 | 0 | — | 0 | — | 0 | 5 | 32 |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

**ASWAN—0000 U.T.— SEPTEMBER 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 5 | 6 | 2 | 6 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 7 | 0 | — | 0 | — | 1 | 18 | 1 | 8 | 13 | 23 | 3 |
| 1000... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850... ... | 2 | 8 | 4 | 14 | 4 | 6 | 2 | 6 | 0 | — | 0 | — | 0 | — | 2 | 4 | 0 | — | 1 | 4 | 6 | 7 | 1 | 14 | 1 | 23 | 8 |
| 700... ... | 0 | — | 1 | 12 | 1 | 6 | 0 | — | 2 | 6 | 1 | 4 | 1 | 19 | 4 | 20 | 5 | 15 | 2 | 8 | 2 | 23 | 4 | 12 | 0 | 23 | 14 |
| 600... ... | 0 | — | 2 | 6 | 0 | — | 1 | 4 | 1 | 16 | 1 | 15 | 1 | 13 | 5 | 18 | 2 | 21 | 7 | 11 | 3 | 9 | 0 | — | 0 | 23 | 12 |
| 500... ... | 2 | 3 | 0 | — | 2 | 5 | 0 | — | 3 | 12 | 1 | 2 | 2 | 4 | 1 | 21 | 7 | 15 | 2 | 14 | 2 | 10 | 1 | 5 | 0 | 23 | 10 |
| 400... ... | 0 | — | 0 | — | 2 | 6 | 4 | 8 | 1 | 5 | 1 | 5 | 0 | — | 4 | 20 | 5 | 20 | 3 | 16 | 1 | 7 | 1 | 4 | 0 | 22 | 14 |
| 300... ... | 0 | — | 0 | — | 2 | 10 | 2 | 4 | 1 | 20 | 3 | 9 | 3 | 8 | 4 | 31 | 5 | 21 | 1 | 26 | 0 | — | 0 | — | 1 | 22 | 16 |
| 200... ... | 0 | — | 1 | 8 | 0 | — | 0 | — | 2 | 18 | 3 | 11 | 0 | — | 3 | 39 | 4 | 26 | 0 | — | 0 | — | 0 | — | 1 | 14 | 21 |
| 150... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### ASWAN — 1200 U.T. — SEPTEMBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 17 | 6 | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 8 | 26 | 4 |
| 1000... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850... ... | 2 | 18 | 0 | — | 1 | 7 | 1 | 8 | 0 | — | 0 | — | 1 | 3 | 2 | 9 | 3 | 3 | 4 | 5 | 7 | 12 | 4 | 7 | 1 | 26 | 8 |
| 700... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 14 | 5 | 5 | 9 | 23 | 3 | 16 | 1 | 10 | 4 | 16 | 3 | 20 | 0 | 26 | 16 |
| 600... ... | 0 | — | 0 | — | 0 | — | 1 | 4 | 0 | — | 3 | 10 | 2 | 12 | 7 | 15 | 7 | 12 | 2 | 17 | 3 | 22 | 1 | 4 | 0 | 26 | 13 |
| 500... ... | 1 | 7 | 0 | — | 2 | 8 | 2 | 6 | 2 | 6 | 3 | 4 | 1 | 10 | 4 | 22 | 2 | 10 | 5 | 15 | 2 | 10 | 2 | 9 | 0 | 26 | 12 |
| 400... ... | 0 | — | 1 | 8 | 1 | 6 | 3 | 8 | 3 | 10 | 3 | 5 | 3 | 5 | 5 | 22 | 4 | 23 | 3 | 19 | 0 | — | 0 | — | 0 | 26 | 14 |
| 300... ... | 0 | — | 0 | — | 1 | 8 | 2 | 11 | 4 | 10 | 1 | 14 | 0 | — | 6 | 18 | 9 | 23 | 0 | — | 0 | — | 0 | — | 1 | 24 | 17 |
| 200... ... | 0 | — | 0 | — | 0 | — | 3 | 11 | 2 | 19 | 3 | 10 | 2 | 21 | 4 | 36 | 5 | 24 | 1 | 12 | 0 | — | 0 | — | 0 | 20 | 21 |
| 150... ... | 0 | — | 0 | — | 0 | — | 1 | 20 | 3 | 19 | 2 | 12 | 1 | 18 | 2 | 28 | 4 | 31 | 1 | 64 | 0 | — | 0 | — | 0 | 14 | 26 |
| 100... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 14 | 1 | 33 | 1 | 34 | 0 | — | 1 | 28 | 0 | — | 0 | — | 0 | 4 | 27 |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

### SEPTEMBER 1959

This month was almost mild; the mean air temperature at 2 metres above ground and the mean relative humidity were slightly below normal (—0.4°C and—6% respectively). On the 8th, maximum temperature reached 36.2°C (absolute maximum temperature during month) and a short warm spell has been distinguished.

The extreme maximum and minimum soil temperatures at depths between 0.3 cm. and 20 cms. were below the corresponding values of last September. The deviation of the maximum soil temperature in the dry field varied from 6°C at a depth of 1 cm. to 0.1°C at a depth of 10 cms. At deeper depths below 20 cms. the extreme soil maximum and minimum temperatures showed slight ( + ve or — ve ) deviations not exceeding 0.6°C.

For the month as a whole, the mean wind speed for the day at 2 metres above ground was 0.2 m/sec. lower, the mean Piche evaporation was 1.7 mms. less, and the total sunshine duration was 7 hours less than corresponding values of last September.

## TABLE C 1.—AIR TEMPERATURES AT 2 METRES ABOVE GROUND ; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms· ABOVE GROUND ON DIFFERENT FIELDS

## GIZA — SEPTEMBER 1959

| Date | Air temperature (°C) | | | | | Duration in hours of air temperature above the following values | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Mean of the day | Night time mean | Day time mean | —5 °C | 0 °C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C |
| 1 | 33.6 | 20.3 | 26.1 | 23 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 14 | 7 | 0 | 0 | 0 |
| 2 | 33.4 | 22.1 | 26.5 | 25 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 6 | 0 | 0 | 0 |
| 3 | 32.5 | 20.9 | 25.8 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 5 | 0 | 0 | 0 |
| 4 | 32.8 | 21.9 | 26.2 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 6 | 0 | 0 | 0 |
| 5 | 32.5 | 19.5 | 25.4 | 23 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 12 | 5 | 0 | 0 | 0 |
| 6 | 32.8 | 20.0 | 25.7 | 23 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 6 | 0 | 0 | 0 |
| 7 | 34.1 | 20.2 | 26.2 | 24 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 14 | 7 | 0 | 0 | 0 |
| 8 | 36.2 | 19.9 | 27.1 | 24 | 31 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 9 | 1 | 0 | 0 |
| 9 | 33.0 | 20.6 | 25.8 | 25 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 6 | 0 | 0 | 0 |
| 10 | 31.7 | 17.1 | 24.0 | 23 | 27 | 24 | 24 | 24 | 24 | 24 | 21 | 11 | 4 | 0 | 0 | 0 |
| 11 | 30.1 | 16.1 | 22.8 | 22 | 26 | 24 | 24 | 24 | 24 | 24 | 19 | 9 | 0 | 0 | 0 | 0 |
| 12 | 28.1 | 14.4 | 21.1 | 20 | 24 | 24 | 24 | 24 | 24 | 23 | 15 | 8 | 0 | 0 | 0 | 0 |
| 13 | 28.6 | 13.6 | 20.9 | 18 | 24 | 24 | 24 | 24 | 24 | 23 | 14 | 7 | 0 | 0 | 0 | 0 |
| 14 | 28.5 | 13.6 | 21.4 | 19 | 24 | 24 | 24 | 24 | 24 | 21 | 16 | 7 | 0 | 0 | 0 | 0 |
| 15 | 28.5 | 13.9 | 21.7 | 20 | 24 | 24 | 24 | 24 | 24 | 22 | 16 | 8 | 0 | 0 | 0 | 0 |
| 16 | 30.4 | 14.6 | 22.4 | 20 | 25 | 24 | 24 | 24 | 24 | 24 | 17 | 9 | 0 | 0 | 0 | 0 |
| 17 | 29.3 | 16.6 | 22.6 | 21 | 25 | 24 | 24 | 24 | 24 | 24 | 17 | 9 | 0 | 0 | 0 | 0 |
| 18 | 30.4 | 16.1 | 23.3 | 21 | 26 | 24 | 24 | 24 | 24 | 24 | 17 | 10 | 0 | 0 | 0 | 0 |
| 19 | 30.6 | 18.2 | 23.8 | 23 | 26 | 24 | 24 | 24 | 24 | 24 | 20 | 11 | 0 | 0 | 0 | 0 |
| 20 | 31.5 | 17.1 | 24.0 | 22 | 27 | 24 | 24 | 24 | 24 | 24 | 19 | 11 | 3 | 0 | 0 | 0 |
| 21 | 29.3 | 18.5 | 22.7 | 23 | 25 | 24 | 24 | 24 | 24 | 24 | 20 | 7 | 0 | 0 | 0 | 0 |
| 22 | 30.0 | 17.4 | 22.7 | 21 | 25 | 24 | 24 | 24 | 24 | 24 | 19 | 9 | 0 | 0 | 0 | 0 |
| 23 | 30.6 | 17.0 | 22.9 | 22 | 25 | 24 | 24 | 24 | 24 | 24 | 17 | 8 | 0 | 0 | 0 | 0 |
| 24 | 30.5 | 17.6 | 23.5 | 22 | 26 | 24 | 24 | 24 | 24 | 24 | 18 | 11 | 0 | 0 | 0 | 0 |
| 25 | 32.1 | 17.0 | 24.3 | 22 | 27 | 24 | 24 | 24 | 24 | 24 | 19 | 13 | 2 | 0 | 0 | 0 |
| 26 | 30.5 | 17.4 | 23.5 | 23 | 26 | 24 | 24 | 24 | 24 | 24 | 19 | 11 | 0 | 0 | 0 | 0 |
| 27 | 30.0 | 16.7 | 22.8 | 21 | 25 | 24 | 24 | 24 | 24 | 24 | 17 | 9 | 0 | 0 | 0 | 0 |
| 28 | 31.0 | 16.9 | 23.2 | 21 | 26 | 24 | 24 | 24 | 24 | 24 | 16 | 9 | 1 | 0 | 0 | 0 |
| 29 | 31.6 | 18.8 | 24.4 | 22 | 27 | 24 | 24 | 24 | 24 | 24 | 22 | 11 | 3 | 0 | 0 | 0 |
| 30 | 31.0 | 16.7 | 23.7 | 21 | 27 | 24 | 24 | 24 | 24 | 24 | 17 | 11 | 2 | 0 | 0 | 0 |
| TOTAL | — | — | — | — | — | 270 | 720 | 720 | 720 | 713 | 591 | 319 | 72 | 1 | 0 | 0 |
| Mean | 31.2 | 17.7 | 23.9 | 22.0 | 26.5 | 24 | 24 | 24 | 24 | 23.8 | 19.7 | 10.6 | 2.4 | 0.03 | 0 | 0 |

Highest maximum at 2 metres 36.2 °C on 8th.
Lowest ,, ,, ,, 28.1 °C on 12th.
Absolute minimum temperature at 5 cms. above dry soil 9.9 °C on 13th. & 15th.
,, ,, ,, ,, ,, wet soil 10.7 °C on 15th.
,, ,, ,, ,, ,, grass 7.7 °C on 15th.

Highest minimum at 2 metres 22.1°C on 2nd.
Lowest ,, ,, ,, 13.6°C on 13th & 14th.

## TABLE C 2.—WIND SPEED, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, (SOLAR + SKY) RADIATION, SUNSHINE DURATION, EVAPORATION AND RAINFALL

## GIZA — SEPTEMBER 1959

| Date | wind speed metres per second | | | Solar + sky radiation gm. cal./cm² | Duration of bright sunshine in hours | | | Relative humidity hours of duration | | Relative humidity % | | Vapour pressure in millimetres | | Evaporation in millimetres | | Amount of rainfall in millimetres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean of the day | Night time mean | Day time mean | | Total actual | Total possible | Percentage % | 90% | 80% | Mean of the day | at 1200 U.T. | Mean of the day | at 1200 U.T. | Piche | Pan class (A) | |
| 1 | 1.7 | 1.0 | 2.7 | 522 | 10.5 | 12.8 | 82 | 7 | 8 | 68 | 41 | 16.0 | 14.6 | 11.8 | 9.71 | 0 |
| 2 | 2.4 | 1.5 | 3.7 | 539 | 11.4 | 12.8 | 89 | 1 | 9 | 72 | 47 | 17.7 | 17.2 | 12.2 | 9.61 | 0 |
| 3 | 2.4 | 1.8 | 3.3 | 494 | 10.7 | 12.7 | 84 | 0 | 10 | 72 | 51 | 17.5 | 17.7 | 11.4 | 8.53 | 0 |
| 4 | 2.5 | 2.0 | 3.3 | 522 | 10.1 | 12.7 | 80 | 6 | 9 | 68 | 48 | 16.8 | 16.8 | 10.6 | 8.23 | 0 |
| 5 | 2.0 | 1.0 | 3.3 | 543 | 11.3 | 12.7 | 89 | 4 | 10 | 74 | 44 | 17.0 | 15.7 | 10.8 | 8.26 | 0 |
| 6 | 2.3 | 1.7 | 3.0 | 531 | 11.3 | 12.7 | 89 | 2 | 10 | 66 | 48 | 16.6 | 17.0 | 11.3 | 7.93 | 0 |
| 7 | 2.4 | 1.8 | 3.1 | 505 | 9.5 | 12.6 | 75 | 5 | 8 | 67 | 40 | 16.0 | 15.5 | 12.6 | 9.68 | 0 |
| 8 | 2.1 | 1.5 | 2.9 | 524 | 11.0 | 12.6 | 87 | 5 | 8 | 66 | 36 | 16.6 | 15.4 | 14.2 | 10.01 | 0 |
| 9 | 2.1 | 1.5 | 2.9 | 535 | 11.3 | 12.6 | 90 | 5 | 9 | 64 | 40 | 15.0 | 14.2 | 12.2 | 9.12 | 0 |
| 10 | 1.6 | 0.8 | 2.8 | 527 | 11.0 | 12.5 | 88 | 4 | 7 | 65 | 40 | 14.2 | 13.3 | 11.6 | 9.36 | 0 |
| 11 | 1.7 | 0.8 | 3.1 | 506 | 10.7 | 12.5 | 86 | 1 | 7 | 58 | 38 | 12.0 | 11.2 | 11.3 | 8.74 | 0 |
| 12 | 1.3 | 0.5 | 2.3 | 402 | 7.9 | 12.5 | 63 | 2 | 6 | 58 | 41 | 11.2 | 10.6 | 9.4 | 6.67 | 0 |
| 13 | 1.1 | 0.4 | 2.2 | 407 | 8.7 | 12.4 | 70 | 3 | 7 | 57 | 41 | 10.9 | 10.5 | 9.1 | 6.33 | 0 |
| 14 | 1.1 | 0.4 | 2.2 | 516 | 10.6 | 12.4 | 85 | 2 | 7 | 58 | 39 | 11.4 | 10.4 | 10.8 | 7.75 | 0 |
| 15 | 1.5 | 0.8 | 2.5 | 532 | 11.1 | 12.4 | 90 | 5 | 8 | 62 | 35 | 11.8 | 9.8 | 12.3 | 8.71 | 0 |
| 16 | 2.3 | 1.5 | 3.3 | 497 | 11.1 | 12.4 | 90 | 4 | 7 | 63 | 39 | 12.7 | 12.3 | 12.2 | 8.37 | 0 |
| 17 | 2.2 | 1.6 | 3.1 | 496 | 10.8 | 12.3 | 88 | 2 | 7 | 66 | 46 | 13.4 | 13.1 | 11.0 | 7.07 | 0 |
| 18 | 1.8 | 1.1 | 2.8 | 492 | 11.1 | 12.3 | 90 | 5 | 7 | 65 | 41 | 13.7 | 12.8 | 11.6 | 7.72 | 0 |
| 19 | 1.8 | 1.2 | 2.6 | 469 | 9.9 | 12.3 | 80 | 4 | 9 | 69 | 47 | 15.2 | 14.3 | 9.7 | 7.09 | 0 |
| 20 | 1.2 | 0.7 | 1.9 | 463 | 10.2 | 12.2 | 84 | 6 | 8 | 74 | 47 | 16.2 | 15.4 | 8.9 | 7.63 | 0 |
| 21 | 1.8 | 1.2 | 2.6 | 407 | 7.7 | 12.2 | 63 | 4 | 10 | 74 | 37 | 13.4 | 10.4 | 9.0 | 7.20 | 0 |
| 22 | 1.3 | 0.9 | 1.8 | 463 | 9.2 | 12.2 | 75 | 0 | 8 | 62 | 43 | 12.5 | 12.4 | 8.6 | 6.07 | 0 |
| 23 | 1.2 | 0.8 | 1.7 | 460 | 10.9 | 12.2 | 89 | 3 | 10 | 73 | 38 | 13.9 | 11.3 | 8.8 | 5.29 | 0 |
| 24 | 1.5 | 1.0 | 2.1 | 457 | 10.6 | 12.1 | 88 | 5 | 8 | 62 | 38 | 12.9 | 11.2 | 11.0 | 8.01 | 0 |
| 25 | 1.4 | 1.1 | 1.8 | 461 | 10.5 | 12.1 | 87 | 3 | 5 | 56 | 31 | 12.2 | 10.3 | 12.0 | 8.12 | 0 |
| 26 | 1.5 | 1.2 | 1.9 | 456 | 10.6 | 12.1 | 88 | 2 | 6 | 68 | 38 | 13.8 | 11.7 | 10.5 | 6.99 | 0 |
| 27 | 1.7 | 1.0 | 2.6 | 460 | 10.7 | 12.0 | 88 | 4 | 8 | 68 | 43 | 13.6 | 12.8 | 10.2 | 8.06 | 0 |
| 28 | 1.7 | 1.2 | 2.4 | 469 | 10.6 | 12.0 | 88 | 4 | 9 | 70 | 41 | 14.0 | 12.7 | 9.5 | 6.70 | 0 |
| 29 | 1.2 | 0.8 | 1.8 | 468 | 10.4 | 12.0 | 87 | 5 | 9 | 70 | 38 | 14.4 | 12.4 | 8.4 | 6.50 | 0 |
| 30 | 0.9 | 0.3 | 1.9 | 431 | 9.6 | 11.9 | 81 | 5 | 8 | 70 | 47 | 15.3 | 15.2 | 9.0 | 7.93 | 0 |
| **Total** | — | — | — | **14554** | **311.0** | **371.2** | **2513** | — | — | **198.5** | **124.3** | — | — | **322.0** | **237.39** | **0** |
| **Mean ...** | **1.7** | **1.1** | **2.6** | **485.1** | **10.3** | **12.3** | **83** | **3.6** | **8.0** | **66** | **41.4** | **14.3** | **13.3** | **10.7** | **7.91** | **0** |

**Maximum amount of rainfall in one day** ..... 0 mms.

**Lowest value of relative humidity** ..... 30% on 25th.

**Highest value of vapour pressure** ..... 18.6 mms. on 1st & 4th.

**Lowest " " "** ..... 9.4 mms. on 12th.

## TABLE C 3.—EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

### GIZA—SEPTEMBER 1959

| Depth in cms. | Dry soil | | Wet soil | | Grass | |
|---|---|---|---|---|---|---|
| | Highest °C | Lowest °C | Highest °C | Lowest °C | Highest °C | Lowest °C |
| 0.3 | 56.6 | 14.4 | 33.0 | 15.0 | 30.9 | 18.5 |
| 1 | 53.3 | 15.4 | 32.8 | 15.1 | — | — |
| 2 | 48.0 | 16.9 | 32.2 | 15.3 | — | — |
| 5 | 40.9 | 21.3 | 31.0 | 16.8 | 27.6 | 19.6 |
| 10 | 36.4 | 26.8 | 29.6 | 19.9 | 26.7 | 20.4 |
| 20 | 30.7 | 26.1 | 28.0 | 22.3 | 26.6 | 22.7 |
| 50 | 32.5 | 29.9 | 26.2 | 23.9 | 27.3 | 25.1 |
| 100 | 31.3 | 29.9 | 26.2 | 24.1 | 26.4 | 25.2 |
| 200 | 28.9 | 28.5 | 23.8 | 23.5 | — | — |
| 300 | 26.8 | 26.5 | — | — | — | — |

## TABLE C 4.—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES REACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

### GIZA—SEPTEMBER 1959

10 Knots or more ... 26 Days
15 ,, ,, ,, ... 4 ,,
20 ,, ,, ,, ... 0 ,,
25 ,, ,, ,, ... 0 ,,
30 Knots or more ... 0 Days.
35 ,, ,, ,, ... 0 ,,
40 ,, ,, ,, ... 0 ,,
The highest gust 22 knots on 11th.

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UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 10

## OCTOBER, 1959

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MINISTRY OF WAR—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 10

## OCTOBER, 1959

MINISTRY OF WAR—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

# CONTENTS

PAGE

General Summary of Weather Conditions ... ... ... ... ... ... ... ... 577-579

**Surface Data**

TABLE A 1.—Monthly Mean Values of Atmospheric Pressure, Air Temperature and Relative Humidity at Fixed Hours. ... ... ... ... ... ... ... ... 580,581

" A 2.—Maximum and Minimum Air Temperatures (°C) ... ... ... ... ... ... 582,583

" A 3.—Rainfall, Snow, Bright Sunshine, Cloudiness and Evaporation ... ... 584,585

" A 4.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... 586

" A 5.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... ... ... ... 587-589

" A 6.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours. ... ... ... 590-621

**Upper Air Data**

TABLE B 1.—Upper Air Climatological Data ... ... ... ... ... ... ... ... ... 622-625

" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air... ... ... ... ... ... ... 626,627

" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. 628-634

**Agro-Meteorological Data**

Review of Agro-Meteorological Station at Giza ... ... ... ... ... ... ... ... 635

TABLE C 1.—Air Temperature at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 cms. above Ground on Different Fields ... ... ... 636

" C 2.—Wind Speed, Relative Humidity and Vapour Pressure at 2 Metres above the Ground, (Solar + Sky) Radiation, Sunshine Duration, Evaporation and Rainfall. ... ... ... ... ... ... ... ... ... ... 637

" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields. 638

" C 4.—Number of Days of Surface Wind Speed at 10 Metres Reaching Specified Limits of Velocity for at Least 5 Minutes ... ... ... ... ... ... ... 638

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Note : Refer to volume 2 number 1 for the list of stations appearing in the report and for explanatory notes on the tables.

# GENERAL SUMMARY OF WEATHER CONDITIONS

## OCTOBER 1959

**Rather cold and light rainy in general, intervened by few consecutive hot spells, excessive in particular over Upper Egypt. Few occasions of local thunderstorms.**

### THE MAIN FEATURES

— Three consecutive rather cold periods. An excessive heat wave in Upper Egypt round period (9th-11th).

— Occasional light scattered rain round the periods (1st-3rd), (10th-18th) and (22nd-28th) in the Northern Region and round the periods (1st-3rd), (13th-17th) and (24th-27th) in the northern parts of the Southern Region.

— Rather normal oscillatory barometric pressure field. Slight southward latitudinal oscillations in the upper planetary waves north of both the Atlantic and the Caspian Sea.

### GENERAL DESCRIPTION OF WEATHER

The prevailing weather of this month was mild and rather cold in general. Two interruptions of hot spells were marked round the 10th and 27th in the Northern Region and round the 10th and 15th in the Southern Region where the first spell was excessive (absolute maximum temperature at Aswan was 44.4°C. on the 10th).

The monthly district station ground barometric pressure was slightly above normal and its departure did not exceed 1 mb.

The monthly district relative humidity was slightly above normal in the Northern Region with the exception of the North Eastern district where it was slightly below normal. In the Southern Region it was slightly below normal with the exception of the Upper Egypt district where it was slightly above normal. Departures from normal values did not exceed 5 % in general.

The monthly district maximum and minimum temperatures were below normal in general and practical subnormal departures of maximum temperatures ranged between 1.5°C and 3.0°C while practical subnormal departures of minimum temperatures ranged between 0.5°C. and 2.5°C.

The monthly district rainfall for this month in the Northern Region exceeded its normal in general with the exception of the Western Inland and Desert districts where it was slightly subnormal. In the Southern Region it exceeded its normal in the Mediterranean and Lower Egypt districts, while elsewhere it was slightly subnormal.

The mean daily relative humidity for the month in the Northern Region was 65% at Jableh, 56% at Aleppo, 46% at Damascus, 67% at Homs, 46% at Deir Ezzor and 36% at Qamishlie. In the Southern Region it was 63% at Mersa Matruh, 66% at Alexandria, 65% at Port Said, 62% at Tanta, 60% at Cairo, 58% at Almaza, 64% at Minya, 51% at Asyout, 43% at Luxor, 48% at Siwa, and 60% at Suez.

### PRESSURE DISTRIBUTION

The pressure distribution over the surface map at the beginning of the month can be summarized into the following :

— A high pressure system north of the Balkans extending from Scandinavian Countries southwards towards NE Africa.

— Two Monsoon low pressure systems, the Central Africa and the Arabian Gulf monsoons.

— A Deep northern trough north the Black and Caspian Seas extending aloft up to more than the 300 mb. level.

— A deep Atlantic low pressure system northwest the British Isles reflected aloft up to more than the 300 mb. level.

During the 1st week, the above pressure systems showed marked prevalence and apart from a light intensification in the Scandinavian high between the 3rd and the 6th and the pronounced deepening in the Russian trough of low pressure on the 7th, no further development took place.

On the 8th, the Atlantic and the Black Sea local anticyclonic extensions approached West Africa and Asia Minor respectively, while a closed upper Low appeared over Central Mediterranean at the 500 mb. level in the SE vicinities of the Atlantic upper low. On the 9th, the whole Atlantic low pressure system approached west Europe and cyclogenesis started over Central Mediterranean. Accordingly the complex Arabian monsoon low expanded partially NW wards towards Greece and partially northwards towards the Black Sea and Caspian Sea vicinities.

On the 12th, a shallow secondary depression of rather pronounced vertical structure originated over Crete at the trailing semi-polar front north of the Black Sea. It traversed East Mediterranean rapidly and reached north Cyprus by the 14th through Asia Minor following a rather northward track.

From the 15th till the 19th, the Atlantic Anticyclone, the local high north the Black and Caspian Seas and the weak local high cell over the Western Desert of Egypt showed pronounced prevalence.

On the 20th, the 2nd Atlantic low pressure system traversed west Europe rapidly, Its southern trough skirted the southern parts of Europe rapidly eastwards and by the 23rd it was held over the Black Sea. The Arabian trough experienced its second northward elongation during this month between the 24th and the 26th.

On the 27th, the third Atlantic low pressure system traversed west Europe rapidly eastwards. The deep secondary depression at its southern limit was rather stationary over West Mediterranean between the 28th and the 31st while the local high pressure system establishing north the Black Sea extended southerly and operated over East Mediterranean.

It is noteworthy that the Black Sea planetary upper wave (at 500 mb. and higher) showed minor southward oscillations during this month round the periods (8th-9th), (13th-14th) and (24th-26th) while the Atlantic planetary upper wave oscillated southwards about the (28th-31st).

During this month, the barometric pressure over the United Arab Republic in particular was slightly oscillatory (2-4 mb. round normal). Neither decidedly deviations, nor well developing monsoon oscillations were observed, and the monthly pressure trend was rather normal.

## SURFACE WIND

### NORTHERN REGION

The prevailing winds were generally WSW ly over the Coastal district, the central and the southern parts of the Western Inland district, Nly over the northern parts of the Western Inland district and the North Eastern district, and were W ly over the Desert and E. Gezira districts.

Winds were mostly light/moderate all over the Region. Fresh/strong winds blew in particular over the Coastal district, the central part of the Western Inland district and the North Eastern district round the days 2nd, (11th-13th) and (26th-28th).

No gales were reported in the Northern Region during this month.

### SOUTHERN REGION

The prevailing winds were mostly Nly/NW ly, light/moderate in general but fresh/strong for few days (3-5 days) in the western part of the Mediterranean coast and round 10 days in the Red Sea district. Calms were frequent in the extreme south during the night and early morning intervals of this month.

Gales were reported over Quseir on the 22nd.

## TEMPERATURE

Maximum temperature oscillated to a moderate extent below its normal (3-7°C) most of this month. As an exception few hot spells were experienced round the days 10th, 22nd, 27th and 31st in the inland parts of the Northern

Region, and round the days 10th, 15th & 31st in the Southern Region during which it exceeded its normal to a moderate extent in general. The prevailing hot spells over Upper Egypt in particular amalgamated in one excessive heat wave of two pronounced climaxes round the 10th and the 15th.

For the month as a whole, maximum temperature variability was pronounced (5-10°C) in the far inland districts but was rather moderate (2-6°C) elsewhere.

The absolute maximum temperature for the Northern Region was 45.0°C reported at El Himmeh on the 9th, while the corresponding value for the Southern Region was 44.4°C at Aswan on the 10th.

Minimum temperature characteristics were more or less analogous to maximum temperature characteristics, though in the Northern Region, the monthly apparent features showed abnormally high minimum temperatures most of the 4th week.

The absolute minimum temperature for the Northern Region was -2°C reported at Madaia (mountain station in the Western Inland district) on the 30th, while the corresponding value for the Southern Region was 7.1°C at Farafra on the 27th.

## PRECIPITATION

### NORTHERN REGION

Occasional scattered rain fell generally round the periods (1st-3rd), (10th-18th) and (22nd-28th). Precipitation was maximum over the Coastal district and decreased gradually towards the interior districts. The highest monthly rainfall was 115.4 mms. reported at Kastal Maaf (Coastal district), while the highest daily rainfall was 64.0 mms. reported at Banias North (coastal station) on the 28th.

### SOUTHERN REGION

Three rainy periods were distinguished during the month round the periods (1st-3rd), (13th-17th) and (24th-27th). Rainfall was confined to the western part of the Mediterranean coast during the 1st period, but extended through the Mediterranean, Lower Egypt and Cairo districts during the 2nd and 3rd periods. The monthly rainfall was remarkably above normal in several parts of the Mediterranean coastal district and slightly below normal inland. The maximum monthly fall was 48.1 mms. reported at Sidi Barrani, while the maximum daily rainfall was 36.1 mms. also at Sidi Barrani on the 25th.

## MISCELLANEOUS WEATHER PHENOMENA

### NORTHERN REGION

*Thunderstorms* occurred at Aleppo on the 25th, Palmyra on the 23rd., Raqqa on the 24th, and at Qamishlie on the 24th & 26th.

*Fog patches* developed at Aleppo on the 28th & 30th.

*Mist patches* developed at Damascus on the 23rd, Aleppo on the 28th & 31st, Hama on the 25th, Raqqa on the 24th & 25th, and at Qamishlie on the 27th.

*Sand or duststorms* blew over Raqqa on the 9th.

*Local rising sand or dust* was reported at Damascus on the 12th & 14th; Hama on the 11th, 13th and 18th; Fig on the 27th; Palmyra on the 11th, 12th, 19th & 22nd; Deir Ezzor on the 3rd, 11th, 12th & 24th; and at Raqqa on the 2nd, 3rd, 4th, 9th, 11th, 12th, 13th & 25th.

### SOUTHERN REGION

*Thunderstorms* occurred at Sallum & Sidi Barrani on the 15th.

*Fog patches* developed at Alexandria on the 10th and at Mostafa Helmi on the 28th.

*Mist patches* developed at Abu Sueir on the 10th & 29th; Cairo on the 6th, 7th & 8th; and at Mostafa Helmi on the 28th & 30th.

*Sand or duststorms* blew over Sallum on the 10th, Sidi Barrani on the 15th, and over Mostafa Helmi on the 16th & 26th.

*Local rising sand or dust* was reported at Sallum on the 10th & 30th; Sidi Barrani on the 30th; Mersa Matruh on the 15th & 25th; Abu Sueir on the 25th & 26th; Almaza on the 27th; Mostafa Helmi on the 17th; and at Quseir on the 22nd.

M. F. TAHA
*Director General*
*Meteorological Department*

*Cairo*; May, 1961.

## TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

## OCTOBER 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh ... (A) ... | 12 | 1012.9 | — | 1013.6 | — | 1012.8 | — | 1013.4 | — | 18.4 | —1.2 | 21.5 | —0.3 | 24.0 | —2.7 | 20.0 | —1.8 | 70 | + 1 | 62 | — 2 | 60 | 0 | 69 | + 1 |
| | Bouka ... ... ... | 50 | — | — | — | — | — | — | — | — | 17.2 | — | 20.6 | — | 24.1 | — | 19.2 | — | 76 | — | 69 | — | 59 | — | 77 | — |
| | Tartous ... ... ... | 15 | — | — | — | — | — | — | — | — | 17.8 | — | 21.9 | — | 23.7 | — | 19.8 | — | 74 | — | 63 | — | 56 | — | 75 | — |
| WESTERN INLAND | Damascus ... (A) ... | 724 | 933.0 | +0.6 | 934.0 | +0.6 | 932.3 | +0.4 | 933.0 | +0.6 | 13.8 | —1.8 | 17.1 | —1.3 | 24.8 | —1.9 | 17.8 | —2.7 | 58 | + 3 | 53 | + 1 | 30 | — 2 | 44 | 0 |
| | Aleppo ... (A) ... | 391 | 969.3 | +0.5 | 969.9 | +0.6 | 968.4 | +0.3 | 969.3 | +0.5 | 13.7 | —1.7 | 16.3 | —1.5 | 24.3 | —3.0 | 17.6 | —2.4 | 69 | + 9 | 62 | + 5 | 34 | 0 | 57 | + 7 |
| | Hama ... (A) ... | 313 | 977.7 | — | 978.6 | — | 976.7 | — | 977.7 | — | 14.7 | — | 17.1 | — | 25.9 | — | 18.9 | — | 71 | — | 66 | — | 33 | — | 55 | — |
| | Homs ... ... ... ... | 487 | — | — | — | — | — | — | — | — | 13.1 | —2.4 | 17.6 | —0.5 | 24.0 | —2.1 | 16.2 | —2.5 | 82 | +12 | 69 | + 7 | 41 | — 1 | 75 | +10 |
| | Kharabo ... ... ... | 620 | — | — | — | — | — | — | — | — | 9.4 | — | 16.0 | — | 26.3 | — | 15.9 | — | 86 | — | 62 | — | 29 | — | 61 | — |
| | Salamiyie ... ... ... | 500 | — | — | — | — | — | — | — | — | 11.4 | — | 17.1 | — | 24.8 | — | 17.0 | — | 84 | — | 71 | — | 39 | — | 68 | — |
| | Meselmiyie ... | 425 | — | — | — | — | — | — | — | — | 12.7 | — | 17.7 | — | 24.2 | — | 17.5 | — | 66 | — | 54 | — | 34 | — | 60 | — |
| | Fiq ... ... ... ... | 337 | 975.8 | — | 976.8 | — | 975.1 | — | 976.1 | — | 16.6 | — | 18.2 | — | 25.3 | — | 20.2 | — | 68 | — | 61 | — | 37 | — | 58 | — |
| | Tell Shihab ... ... | 250 | — | — | — | — | — | — | — | — | 12.3 | — | 18.6 | — | 25.9 | — | 17.3 | — | 79 | — | 69 | — | 43 | — | 67 | — |
| DESERT | Palmyra ... (A) ... | 404 | 969 3 | — | 970.5 | — | 968.4 | — | 968.9 | — | 15.8 | — | 15.2 | —1.5 | 26.3 | —2.0 | 20.2 | —0.8 | 67 | — | 69 | +11 | 27 | 0 | 37 | + 4 |
| EL GEZEIRA | Deir Ezzor (A) ... | 204 | 991.3 | — | 992.6 | — | 990.9 | — | 991.1 | — | 15.9 | —1.1 | 18.1 | —0.7 | 27.5 | —2.1 | 19.8 | —1.7 | 57 | +10 | 53 | + 3 | 28 | — 3 | 44 | + 5 |
| | Raqqa ... ... ... | 251 | 984.7 | — | 986.0 | — | 983.6 | — | 984.5 | — | 13.3 | — | 16.1 | — | 26.7 | — | 18.7 | — | 64 | — | 57 | — | 27 | — | 47 | — |
| NORTH EASTERN | Qamishlie ... (A) ... | 466 | 961.8 | +0.5 | 962.9 | +0.9 | 961.3 | +0.5 | 962.0 | +0.5 | 16.7 | —1.1 | 19.5 | —0.9 | 26.7 | —1.4 | 18.9 | —1.9 | 43 | + 1 | 40 | + 2 | 24 | — 6 | 37 | — 2 |
| | Tell Tamer... ... ... | 335 | — | — | — | — | — | — | — | — | 12.0 | — | 16.7 | — | 25.9 | — | 17.7 | — | 57 | — | 52 | — | 26 | — | 41 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum... ... ... ... | 04 | 1016.4 | — | 1016.8 | +1.0 | 1015.9 | +0.7 | 1016.6 | +1.0 | 18.7 | — | 19.2 | —3.1 | 24.3 | —2.1 | 20.6 | —2.4 | 72 | — | 69 | + 3 | 49 | — 6 | 68 | 0 |
| | Sidi Barrani ... ... | 21 | 1013.5 | +0.4 | 1013.9 | +0.6 | 1013.0 | +0.3 | 1013.8 | +0.6 | 16.7 | —2.9 | 19.2 | —2.0 | 24.1 | —1.4 | 20.6 | —1.9 | 75 | — 1 | 72 | + 2 | 52 | — 7 | 70 | 0 |
| | Mersa Matruh (A) ... | 31 | 1012.8 | +0.5 | 1013.3 | +0.7 | 1012.6 | +0.7 | 1013.3 | +0.7 | 17.9 | —1.3 | 19.8 | —2.0 | 24.1 | —1.6 | 20.2 | —2.1 | 73 | — 3 | 67 | — 2 | 48 | — 9 | 65 | — 7 |
| | Dabaa ... ... ... | 17 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Alexandria ... (A) ... | —3 | 1016.9 | +1.1 | 1017.4 | +1.0 | 1016.6 | +1.3 | 1017.4 | +1.2 | 18.3 | —1.5 | 21.3 | —1.6 | 25.4 | —1.2 | 20.5 | —1.3 | 74 | — 7 | 67 | — 3 | 54 | 0 | 67 | — 6 |
| | Dekheila ... (A) ... | 01 | 1016.8 | — | 1017.3 | +0.9 | 1016.5 | +0.7 | 1017.2 | — | 19.0 | — | 20.4 | —3.3 | 24.5 | —0.9 | 21.3 | — | 72 | — | 67 | — 7 | 54 | —17 | 84 | — |
| | Damietta ... ... ... | 03 | 1016.6 | — | 1016.9 | +1.1 | 1016.2 | +1.3 | 1016.8 | +1.5 | 18.6 | — | 21.6 | —2.4 | 24.0 | —1.4 | 20.8 | —1.8 | 79 | — | 66 | — 6 | 59 | — 1 | 75 | — 2 |
| | Port Said ... (A) ... | 01 | 1015.8 | +0.9 | 1016.5 | +0.9 | 1015.6 | +1.0 | 1016.5 | +1.2 | 21.3 | —1.7 | 22.3 | —1.8 | 24.6 | —1.6 | 22.1 | —1.8 | 68 | — 6 | 67 | — 3 | 57 | — 4 | 68 | — 2 |
| | E Arish ... ... ... | 10 | 1013.8 | +1.2 | 1014.5 | +0.2 | 1014.3 | +1.1 | 1014.3 | +0.7 | 18.6 | —1.9 | 21.9 | —2.3 | 25.4 | —1.3 | 22.2 | —1.7 | 84 | + 5 | 71 | + 3 | 63 | — 4 | 72 | 0 |
| | Ghazza ... ... ... | 10 | 1014.2 | — | 1014.7 | — | 1013.3 | — | 1014.4 | — | 18.6 | — | 21.5 | — | 24.1 | — | 22.5 | — | 82 | — | 71 | + 1 | 75 | — | 77 | — |

TABLE A 1 (*continued*).—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

OCTOBER 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Southern Region** (*Contd.*) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... | 06 | 1015.6 | — | 1016.2 | +0.2 | 1015.3 | +0.4 | 1016.2 | +0.6 | 16.8 | — | 19.7 | —1.9 | 25.9 | —1.7 | 19.3 | —2.1 | 89 | — | 80 | + 1 | 51 | + 2 | 79 | + 3 |
| | Mansoura ... ... ... | 08 | 1015.8 | — | 1016.2 | +0.8 | 1014.9 | +1.0 | 1016.1 | +1.1 | 17.1 | — | 20.1 | —2.3 | 26.8 | —2.1 | 20.5 | —1.3 | 81 | — | 73 | — 2 | 47 | + 3 | 75 | + 2 |
| | Tanta ... ... ... ... | 14 | 1014.3 | — | 1014.8 | +0.1 | 1013.5 | +0.4 | 1014.8 | +0.9 | 15.9 | — | 20.5 | —1.2 | 27.2 | —2.0 | 19.5 | —1.8 | 81 | — | 70 | —11 | 44 | — 1 | 72 | — 7 |
| | Shebin el Kom ... | 12 | 1014.7 | — | 1015.3 | +0.6 | 1013.5 | +0.2 | 1014.7 | +0.6 | 16.2 | — | 17.0 | —3.7 | 26.1 | —3.2 | 19.5 | —2.8 | 87 | — | 87 | +11 | 40 | — 1 | 73 | + 5 |
| | Zagazig ... ... ... | 12 | 1015.6 | — | 1015.8 | +0.6 | 1014.1 | +0.7 | 1015.6 | +1.0 | 17.2 | — | 19.2 | — 3.5 | 27.4 | —2.1 | 20.8 | —1.1 | 87 | — | 77 | — 2 | 45 | — 3 | 76 | — 3 |
| | Zaher ... ... (A) ... | 30 | 1011.5 | — | 1012.0 | — | 1010·5 | — | 1011.8 | — | 17.2 | — | 20.2 | — | 26.9 | — | 21.0 | — | 75 | — | 66 | — | 38 | — | 65 | — |
| | Wadi el Natrun ... | — 1 | 1017.4 | — | 1017.9 | +1.8 | 1016.0 | +2.5 | 1017.4 | +1.8 | 17.0 | — | 19.5 | —1.7 | 27.3 | —2.3 | 21.4 | —2.8 | 74 | — | 67 | — 7 | 34 | — 3 | 69 | 0 |
| | Abu Sueir ... (A) ... | 14 | 1014.4 | — | 1015.2 | — | 1013.3 | — | 1014.9 | — | 17.3 | — | 20.3 | — | 27.2 | — | 21.2 | — | 78 | — | 69 | — | 37 | — | 63 | — |
| Cairo Area | Cairo ... ... (A) ... | 95 | 1004.3 | 0.0 | 1005.6 | +0.5 | 1003·9 | +0.4 | 1005.3 | +0.9 | 17.8 | —2.0 | 20.2 | —1.4 | 27.0 | —2.1 | 21.4 | —2.3 | 76 | — 1 | 67 | — 3 | 37 | 0 | 62 | + 4 |
| | Almaza ... (A) ... | 79 | 1006.5 | +0.6 | 1007.1 | +0.5 | 1005.3 | +0.4 | 1006.8 | +0.7 | 18.0 | —2.0 | 19.8 | —2.1 | 27.3 | —2.0 | 21.8 | —2.3 | 70 | — 8 | 64 | — 6 | 40 | + 2 | 58 | — 1 |
| | Abbasiya (H.Q.) ... | 33 | 1012.5 | — | 1013.2 | — | 1011.3 | — | 1012.7 | — | 18.0 | — | 20.9 | — | 27.5 | — | 21.9 | — | 78 | — | 67 | — | 37 | — | 60 | — |
| | Mostafa Helmi (A) ... | 163 | 997.2 | — | 997.8 | — | 996.2 | — | 997.5 | — | 16.8 | — | 19.0 | — | 25.7 | — | 20.7 | — | 78 | — | 67 | — | 39 | — | 60 | — |
| | Giza ... ... ... ... | 21 | 1014.0 | — | 1014.5 | +0.9 | 1012.7 | +1.1 | 1013.9 | +1.0 | 17.2 | — | 19.4 | —1.5 | 26.8 | —2.7 | 21.3 | —1.6 | 89 | — | 71 | — 9 | 38 | — 3 | 60 | — 6 |
| | Helwan ... ... ... | 112 | — | — | 1003.6 | +0.4 | 1001.8 | +0.6 | 1003.0 | +0.6 | — | — | 20.0 | —1.6 | 26.9 | —2.4 | 21.8 | —2.6 | — | — | 66 | — 1 | 34 | + 2 | 55 | + 5 |
| Upper Egypt | Fayoum ... ... ... | 30 | 1013.5 | — | 1014.4 | +1.4 | 1011.9 | +1.1 | 1012.8 | +1·1 | 18.4 | — | 19.9 | —2.1 | 27.8 | —2.4 | 22.5 | —1.1 | 82 | — | 70 | 0 | 35 | + 1 | 52 | — 5 |
| | Beni Suef ... ... ... | 28 | 1012.5 | — | 1013.3 | +0.9 | 1011.1 | +1.1 | 1012.2 | +1.2 | 17.1 | — | 18.8 | —3.5 | 28.8 | —2.5 | 21.5 | —2.0 | 86 | — | 84 | +18 | 40 | + 7 | 64 | + 9 |
| | Minya ... ... (A) ... | 39 | 1010.6 | +0.8 | 1011.6 | +0.9 | 1009.7 | +0.7 | 1010.3 | +0.7 | 16.7 | —1.6 | 19.1 | —1.9 | 28.4 | —2.4 | 20.8 | —1.8 | 82 | + 8 | 78 | + 8 | 37 | + 5 | 61 | + 2 |
| | Asyout ... (A) ... | 71 | 1006.2 | +1.3 | 1007.6 | +0.7 | 1005.3 | +0.8 | 1006.0 | +0.9 | 19.4 | —1.7 | 19.9 | —1.9 | 27.7 | —2.4 | 23.7 | —1.9 | 58 | + 1 | 61 | — 3 | 37 | + 3 | 49 | + 4 |
| | Nag Hammadi ... ... | 69 | 1005.4 | — | 1007.1 | +0.5 | 1004.8 | +0.7 | 1005.5 | +0.7 | 19.7 | — | 21.7 | —2.5 | 29.5 | —1.9 | 22.6 | —1.5 | 71 | — | 72 | +12 | 48 | + 8 | 68 | + 8 |
| | Qena ... ... ... ... | 73 | 1004.1 | — | 1006.1 | +0.4 | 1003.7 | +0.7 | 1004.4 | +0.7 | 20.9 | — | 21.8 | —2.3 | 30.1 | —3.5 | 25.4 | —0.9 | 59 | — | 66 | + 9 | 41 | + 5 | 49 | + 1 |
| | Luxor ... ... (A) ... | 95 | 1001.5 | +0.1 | 1003.1 | +0.1 | 1000.7 | +0.3 | 1001.3 | +0.1 | 19.9 | —1.4 | 23.6 | —1.8 | 31.6 | —1.9 | 25.1 | —1.8 | 54 | + 7 | 48 | + 3 | 28 | + 1 | 43 | + 4 |
| | Aswan ... ... ... | 104 | 999.2 | — | 1000.9 | +0.2 | 997.9 | +0.1 | 998.9 | +0.1 | 22.2 | — | 24.7 | —1.1 | 34.6 | —1.6 | 27.5 | —3.7 | 40 | — | 41 | 0 | 20 | — 1 | 27 | + 1 |
| Western Desert | Siwa ... ... ... ... | —15 | 1018.5 | +0.4 | 1019.6 | +0.8 | 1017.9 | +0.6 | 1018.1 | +0.6 | 17.5 | —1.5 | 18.3 | —1.5 | 28.5 | —0.8 | 22.5 | —1.5 | 60 | 0 | 62 | — 1 | 30 | + 1 | 42 | 0 |
| | Bahariya ... ... ... | 128 | 1001.7 | — | 1002.4 | 0.0 | 1000.3 | —0.3 | 1001.1 | —0.5 | 17.6 | — | 18.4 | —2.9 | 28.3 | —1.6 | 22.7 | —0.9 | 67 | — | 70 | + 3 | 32 | — 4 | 42 | — 7 |
| | Farafra ... ... ... | 90 | 1007.4 | — | 1003.6 | +1.7 | 1006.4 | +0.8 | 1006.9 | +0.9 | 16.9 | — | 18.2 | —2.6 | 27.9 | —2.5 | 22.3 | —1.6 | 38 | — | 44 | —14 | 20 | —11 | 24 | —17 |
| | Dakhla ... ... ... | 110 | 1002.5 | — | 1003.5 | +2.1 | 1001.7 | +2.5 | 1002.2 | +2.1 | 18.3 | — | 20.5 | —2.2 | 29.9 | —2.0 | 23.5 | —3.0 | 41 | — | 47 | — 2 | 20 | — 9 | 31 | — 5 |
| | Kharga ... ... ... | 72 | 1005.7 | — | 1006.8 | +0.3 | 1004.8 | +0.3 | 1005.4 | +0.3 | 19.7 | — | 21.7 | —2.4 | 31.0 | —2.2 | 23.9 | —3.2 | 48 | — | 50 | — 2 | 25 | — 6 | 35 | — 3 |
| Red Sea | Suez ... ... ... ... | 05 | 1015.0 | — | 1015.8 | +1.1 | 1013.9 | 0.0 | 1015.3 | +1.5 | 19.2 | — | 20.1 | —2.4 | 27.5 | —2.1 | 22.4 | —2.0 | 75 | — | 75 | + 3 | 41 | 0 | 65 | + 3 |
| | Tor ... ... ... ... | 03 | 1012·0 | — | 1013.4 | 0.0 | 1011.5 | —0.5 | 1012.1 | 0.0 | 20.7 | — | 23.1 | —1.5 | 26.3 | —1.8 | 24.4 | —1.5 | 64 | — | 56 | — 6 | 59 | — 5 | 56 | — 9 |
| | Hurghada ... ... ... | 01 | 1012.8 | +1.4 | 1014.0 | +1.0 | 1011.8 | +0.6 | 1012.9 | +1.2 | 20.6 | —1.5 | 23.9 | —1.1 | 27.5 | 0.0 | 24.2 | —1.2 | 54 | — 4 | 53 | — 4 | 47 | —19 | 51 | —10 |
| | Quseir ... ... ... | 08 | 1011.0 | — | 1012.5 | 0.0 | 1010.8 | —1.0 | 1011.5 | —0.2 | 23.1 | — | 25.4 | —2.1 | 26.9 | —2.1 | 24.2 | —2.2 | 47 | — | 48 | — 2 | 56 | — 5 | 57 | — 6 |

## TABLE A 2.—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

## OCTOBER 1959

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A + B) /2 | Maximum temperature: Highest | Maximum temperature: Date | Maximum temperature: Lowest | Maximum temperature: Date | Number of days with maximum temperature: >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Minimum temperature: Date | Minimum temperature: Lowest | Minimum temperature: Date | Number of days with minimum temperature: <10° | <5° | <0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh ... ... (A) ... ... ... ... | 24.4 | —2.9 | 17.1 | —0.9 | 20.7 | 28.1 | 9 | 21.7 | 27 | 10 | 0 | 0 | 0 | 0 | 23.8 | 1 | 14.4 | 4 | 0 | 0 | 0 | 0 |
| | Beuka ... ... ... ... ... ... ... | 24.7 | — | 16.1 | — | 20.4 | 30.5 | 9 | 21.5 | 27 | 9 | 1 | 0 | 0 | 0 | 21.5 | 1 | 12.0 | 4 | 0 | 0 | 0 | 0 |
| | Tartous ... ... ... ... ... ... ... | 25.2 | — | 15.8 | — | 20.5 | 30.0 | 9 | 22.0 | 27 | 12 | 0 | 0 | 0 | 0 | 22.0 | 1 | 12.5 | 5 | 0 | 0 | 0 | 0 |
| Western Inland | Damascus ... ... (A) ... ... ... ... | 26.1 | —1.6 | 11.1 | —1.1 | 18.6 | 31.5 | 10 | 21.9 | 29 | 22 | 1 | 0 | 0 | 0 | 14.6 | 12 | 6.3 | 29 | 8 | 0 | 0 | 0 |
| | Aleppo ... ... (A) ... ... ... ... | 25.5 | —2.9 | 10.7 | —0.4 | 18.1 | 30.3 | 10 | 21.7 | 28 | 18 | 1 | 0 | 0 | 0 | 15.8 | 1 | 6.0 | 4 | 11 | 0 | 0 | 0 |
| | Hama ... ... ... (A) ... ... ... ... | 26.7 | — | 12.5 | — | 19.6 | 31.1 | 10 | 22.3 | 28 | 23 | 1 | 0 | 0 | 0 | 18.9 | 1 | 8.2 | 4 | 6 | 0 | 0 | 0 |
| | Homs ... ... ... ... ... ... ... ... | 24.9 | — | 11.1 | — | 18.0 | 30.0 | 10 | 20.5 | 28 | 7 | 0 | 0 | 0 | 0 | 17.5 | 1 | 7.0 | 4·5 | 22 | 0 | 0 | 0 |
| | Kharabo ... ... ... ... ... ... ... | 27.1 | — | 6.6 | — | 16.9 | 32.4 | 10 | 22.0 | 27 | 27 | 2 | 0 | 0 | 0 | 13.0 | 12 | 2.3 | 31 | 28 | 2 | 0 | 0 |
| | Salamiyie ... ... ... ... ... ... ... | 25.4 | — | 9.1 | — | 17.3 | 30.0 | 10 | 21.5 | 14 | 13 | 0 | 0 | 0 | 0 | 16.5 | 1·3 | 3.0 | 30·31 | 17 | 3 | 0 | 0 |
| | Meselmiyie ... ... ... ... ... ... | 25.5 | — | 9.6 | — | 17.5 | 30.0 | 10 | 21.8 | 19 | 16 | 0 | 0 | 0 | 0 | 15.5 | 1 | 4.5 | 5 | 17 | 1 | 0 | 0 |
| | Fiq ... ... ... ... ... ... ... ... | 26.1 | — | 14.4 | — | 20.3 | 31.5 | 9 | 23.0 | 28 | 22 | 1 | 0 | 0 | 0 | 18.8 | 1 | 10.6 | 31 | 0 | 0 | 0 | 0 |
| | Tell Shihab ... ... ... ... ... ... | 26.5 | — | 10.2 | — | 18.3 | 33.0 | 9 | 21.5 | 28 | 23 | 3 | 0 | 0 | 0 | 16.0 | 26 | 4.5 | 31 | 16 | 1 | 0 | 0 |
| Desert | Palmyra ... ... (A) ... ... ... ... | 27.1 | —2·0 | 13.2 | —0.6 | 20.2 | 30.8 | 1 | 23.0 | 28 | 28 | 3 | 0 | 0 | 0 | 17.1 | 1 | 7.8 | 30 | 1 | 0 | 0 | 0 |
| Jazira | Deir Ezzor ... (A) ... ... ... ... | 28.1 | —2.3 | 13.6 | —0.1 | 20.8 | 32.4 | 21 | 22.6 | 28 | 30 | 7 | 0 | 0 | 0 | 19.0 | 1 | 9.6 | 8 | 1 | 0 | 0 | 0 |
| | Raqqa ... ... ... ... ... ... ... | 27.2 | — | 10.9 | — | 19.1 | 31.5 | 10 | 22.8 | 28 | 26 | 4 | 0 | 0 | 0 | 17.0 | 1 | 4.6 | 5 | 11 | 1 | 0 | 0 |
| North Eastern Corner | Qamishlie ... ... (A) ... ... ... ... | 27.5 | —1.7 | 14.7 | —1.3 | 21.1 | 32.6 | 21 | 21.9 | 28 | 27 | 3 | 0 | 0 | 0 | 20.0 | 22 | 10.7 | 6 | 0 | 0 | 0 | 0 |
| | Tell Tamer ... ... ... ... ... ... ... | 26.4 | — | 9.7 | — | 18.0 | 30.2 | 10 | 21.0 | 28 | 19 | 1 | 0 | 0 | 0 | 16.0 | 1 | 2.5 | 8 | 17 | 2 | 0 | 0 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum ... ... ... ... ... ... ... | 25.2 | —2.5 | 16.9 | —0.2 | 21.0 | 32.8 | 31 | 17.9 | 25 | 14 | 3 | 0 | 0 | 0 | 20.9 | 1 | 11.7 | 26 | 0 | 0 | 0 | 0 |
| | Sidi Barrani ... ... ... ... ... ... | 25.1 | —1.7 | 16.3 | —1.3 | 20.7 | 31.4 | 10 | 19.1 | 25 | 15 | 3 | 0 | 0 | 0 | 21.5 | 1 | 11.7 | 29 | 0 | 0 | 0 | 0 |
| | Mersa Matruh ... (A) ... ... ... ... | 25.2 | —1.8 | 15.8 | —1.6 | 20.5 | 30.9 | 10 | 21.0 | 26 | 13 | 2 | 0 | 0 | 0 | 19.9 | 2 | 11.9 | 21 | 0 | 0 | 0 | 0 |
| | Dabaa ... ... ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Alexandria ... (A) ... ... ... ... | 26.1 | —1.7 | 16.4 | —1.3 | 21.2 | 32.0 | 15 | 20.0 | 25 | 24 | 1 | 0 | 0 | 0 | 20.2 | 17 | 12.7 | 30 | 0 | 0 | 0 | 0 |
| | Dekheila ... ... (A) ... ... ... ... | 25.2 | —1.8 | 16.7 | —3.0 | 21.0 | 29.9 | 15 | 20.7 | 25 | 21 | 0 | 0 | 0 | 0 | 21.6 | 1 | 11.1 | 26 | 0 | 0 | 0 | 0 |
| | Damietta ... ... ... ... ... ... ... | 24.4 | —3.7 | 16.6 | —2.2 | 20.4 | 27.6 | 13 | 20.0 | 25 | 14 | 0 | 0 | 0 | 0 | 20.4 | 8 | 11.4 | 26 | 0 | 0 | 0 | 0 |
| | Port Said ... ... (A) ... ... ... ... | 26.2 | —1.0 | 20.0 | —1.8 | 23.1 | 28.3 | 13 | 23.7 | 25 | 23 | 0 | 0 | 0 | 0 | 22.7 | 2 | 15.5 | 26 | 0 | 0 | 0 | 0 |
| | El Arish ... ... ... ... ... ... ... | 26.2 | —2.5 | 16.9 | —1.0 | 21.6 | 29.8 | 25 | 23.3 | 27 | 27 | 0 | 0 | 0 | 0 | 20.9 | 18 | 13.6 | 27 | 0 | 0 | 0 | 0 |
| | Gharara ... ... ... ... ... ... ... | 25.4 | —2.6 | 16.4 | —0.4 | 20.9 | 29.5 | 25 | 22.6 | 26 | 21 | 0 | 0 | 0 | 0 | 20.4 | 3 | 13.0 | 27 | 0 | 0 | 0 | 0 |

TABLE A 2 (*continued*).—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

## OCTOBER 1959

| District | Station | Maximum temperature | | Minimum temperature | | (A + B) /2 | Maximum temperature | | | | | | | | | Minimum temperature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean (A) | Deviation from normal | Mean (B) | Deviation from normal | | Highest | Date | Lowest | Date | Number of days with maximum temperature >25° | >30° | >35° | >40° | >45° | Highest | Date | Lowest | Date | Number of days with minimum temperature <10° | <5° | <0° | <-5° |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... ... ... ... | 27.1 | —2.5 | 14.8 | —2.3 | 21.0 | 31.6 | 15 | 18.9 | 25 | 26 | 3 | 0 | 0 | 0 | 17.8 | 1 | 10.7 | 26 | 0 | 0 | 0 | 0 |
| | Mansoura ... ... ... ... ... ... ... | 28.3 | —2.1 | 15.6 | —2.0 | 22.0 | 31.5 | 15 | 22.8 | 25 | 29 | 7 | 0 | 0 | 0 | 19.0 | 1 | 11.0 | 26 | 0 | 0 | 0 | 0 |
| | Tanta ... ... ... ... ... ... ... ... | 27.9 | —2.2 | 14.1 | —1.3 | 21.0 | 32.5 | 16 | 21.2 | 25 | 28 | 3 | 0 | 0 | 0 | 16.9 | 16 | 11.3 | 24 | 0 | 0 | 0 | 0 |
| | Shebin el Kom ... ... ... ... ... | 26.8 | —3.8 | 14.8 | —1.7 | 20.8 | 30.9 | 1 | 18.4 | 25 | 24 | 3 | 0 | 0 | 0 | 18.1 | 2 | 11.2 | 26 | 0 | 0 | 0 | 0 |
| | Zagazig ... ... ... ... ... ... ... | 28.3 | —2.3 | 15.6 | —0.8 | 22.0 | 32.8 | 16 | 22.1 | 25 | 29 | 8 | 0 | 0 | 0 | 18.0 | 16 | 12.2 | 26 | 0 | 0 | 0 | 0 |
| | Zaher ... ... ... (A) ... ... ... | 28.1 | — | 15.3 | — | 21.7 | 32.2 | 16 | 23.0 | 26 | 28 | 5 | 0 | 0 | 0 | 18.7 | 16 | 12.2 | 30 | 0 | 0 | 0 | 0 |
| | Wadi el Natrun ... ... ... ... ... | 28.2 | —2.7 | 14.2 | —2.4 | 21.2 | 33.8 | 15 | 19.5 | 25 | 28 | 7 | 0 | 0 | 0 | 17.9 | 16 | 10.7 | 26 | 0 | 0 | 0 | 0 |
| | Abu Sueir ... ... (A) ... ... ... ... | 28.3 | — | 15.3 | — | 21.8 | 32.4 | 16 | 24.5 | 26 | 29 | 8 | 0 | 0 | 0 | 18.5 | 1 | 12.3 | 31 | 0 | 0 | 0 | 0 |
| Cairo Area | Cairo ... ... ... (A) ... ... ... ... | 27.8 | —2.0 | 15.9 | —2.0 | 21.8 | 32.3 | 16 | 20.8 | 25 | 28 | 8 | 0 | 0 | 0 | 20.6 | 16 | 12.8 | 26 | 0 | 0 | 0 | 0 |
| | Almaza ... ... (A) ... ... ... ... | 28.8 | —1.5 | 16.7 | —1.4 | 22.8 | 32.2 | 16 | 21.4 | 25 | 28 | 7 | 0 | 0 | 0 | 20.6 | 16 | 12.5 | 26 | 0 | 0 | 0 | 0 |
| | Abbasiya (H.Q.) ... ... ... ... ... | 29.0 | — | 16.1 | — | 22.6 | 34.0 | 16 | 21.3 | 25 | 29 | 12 | 0 | 0 | 0 | 21.2 | 16 | 13.2 | 20 | 0 | 0 | 0 | 0 |
| | Mostafa Helmi ... (A) ... ... ... ... | 26.7 | — | 14.6 | — | 20.6 | 31.0 | 16 | 19.0 | 25 | 22 | 2 | 0 | 0 | 0 | 19.0 | 16 | 10.0 | 26 | 0 | 0 | 0 | 0 |
| | Giza ... ... ... ... ... ... ... ... | 28.0 | —2.1 | 14.3 | —1.3 | 21.2 | 33.3 | 16 | 20.9 | 25 | 29 | 7 | 0 | 0 | 0 | 17.3 | 2 | 11.4 | 19·26 | 0 | 0 | 0 | 0 |
| | Helwan ... ... ... ... ... ... ... | 27.4 | —2.7 | 16.1 | —2.3 | 21.2 | 32.0 | 16 | 20.1 | 25 | 25 | 7 | 0 | 0 | 0 | 21.1 | 16 | 11.4 | 19 | 0 | 0 | 0 | 0 |
| Upper Egypt | Fayoum ... ... ... ... ... ... ... | 28.6 | —2.7 | 15.2 | —1.9 | 21.9 | 33.2 | 16 | 21.0 | 25 | 28 | 11 | 0 | 0 | 0 | 18.4 | 1·2 | 10.2 | 26 | 0 | 0 | 0 | 0 |
| | Beni Suef ... ... ... ... ... ... ... | 29.3 | —2.1 | 14.2 | —1.4 | 21.8 | 33.5 | 16 | 24.4 | 25 | 30 | 12 | 0 | 0 | 0 | 17.1 | 1 | 11.7 | 19 | 0 | 0 | 0 | 0 |
| | Minya ... ... (A) ... ... ... ... | 28.9 | —2.3 | 14.3 | —1.6 | 21.6 | 33.5 | 16 | 22.7 | 25 | 29 | 10 | 0 | 0 | 0 | 18.2 | 1 | 9·2 | 27 | 2 | 0 | 0 | 0 |
| | Asyout ... ... (A) ... ... ... ... | 28.6 | —2.4 | 16.3 | —1.8 | 22.4 | 32.8 | 1 | 22.5 | 26 | 28 | 11 | 0 | 0 | 0 | 20.0 | 3 | 12.0 | 27 | 0 | 0 | 0 | 0 |
| | Nag Hammadi ... ... ... ... ... ... | 30.6 | —2.2 | 16.0 | —1.3 | 23.3 | 35.1 | 1 | 24.9 | 27 | 30 | 17 | 1 | 0 | 0 | 19.4 | 11 | 10.5 | 27 | 0 | 0 | 0 | 0 |
| | Qena ... ... ... ... ... ... ... ... | 32.1 | —3.1 | 18.4 | —0.8 | 25.2 | 36.5 | 1 | 27.4 | 27 | 31 | 22 | 3 | 0 | 0 | 21.8 | 11 | 13.0 | 27 | 0 | 0 | 0 | 0 |
| | Luxor ... ... ... (A) ... ... ... ... | 32.7 | —2.4 | 15.6 | —2.3 | 24.2 | 38.3 | 11 | 26.3 | 27 | 31 | 23 | 7 | 0 | 0 | 22.0 | 17 | 9.9 | 27 | 1 | 0 | 0 | 0 |
| | Aswan ... ... ... ... ... ... ... ... | 36.2 | —0.9 | 19.1 | —2.8 | 27.6 | 44.4 | 10 | 30.7 | 28 | 31 | 31 | 18 | 4 | 0 | 24.1 | 17 | 12.7 | 30 | 0 | 0 | 0 | 0 |
| Western Desert | Siwa ... ... ... ... ... ... ... ... | 29.3 | —1.6 | 14.6 | —1.5 | 22.0 | 34.0 | 1 | 22.8 | 26 | 28 | 12 | 0 | 0 | 0 | 20.2 | 1 | 8.0 | 29 | 2 | 0 | 0 | 0 |
| | Bahariya ... ... ... ... ... ... ... | 28.7 | —2.3 | 14.1 | —1.8 | 21.4 | 34.2 | 2 | 22.6 | 25 | 27 | 14 | 0 | 0 | 0 | 20.2 | 2 | 9.2 | 23 | 3 | 0 | 0 | 0 |
| | Farafra ... ... ... ... ... ... ... | 29.0 | —2.5 | 14.0 | —1.3 | 21.5 | 34.8 | 2 | 20.6 | 25 | 28 | 14 | 0 | 0 | 0 | 19.9 | 1 | 7.1 | 27 | 5 | 0 | 0 | 0 |
| | Dakhla ... ... ... ... ... ... ... | 30.9 | —2.1 | 14.1 | —3.8 | 22.5 | 35.6 | 2 | 24.5 | 26 | 30 | 20 | 5 | 0 | 0 | 19.6 | 11 | 8.5 | 30 | 5 | 0 | 0 | 0 |
| | Kharga ... ... ... ... ... ... ... | 31.7 | —2.3 | 16.5 | —2.4 | 24.1 | 36.4 | 10 | 26.4 | 27 | 31 | 22 | 6 | 0 | 0 | 22.0 | 15 | 9.8 | 27 | 1 | 0 | 0 | 0 |
| Red Sea | Suez ... ... ... ... ... ... ... ... | 28.5 | —2.5 | 16.7 | —2.2 | 22.6 | 32.0 | 16 | 25.1 | 26 | 31 | 9 | 0 | 0 | 0 | 19.9 | 1 | 13.4 | 27 | 0 | 0 | 0 | 0 |
| | Tor ... ... ... ... ... ... ... ... | 27.3 | —2.3 | 17.8 | —0.8 | 22.6 | 32.3 | 11 | 25.0 | 18 | 30 | 2 | 0 | 0 | 0 | 24.0 | 3 | 13.0 | 31 | 0 | 0 | 0 | 0 |
| | Hurghada ... ... ... ... ... ... ... | 28.4 | +0.2 | 17.9 | —2.1 | 23.2 | 33.4 | 16 | 25.9 | 23 | 31 | 4 | 0 | 0 | 0 | 21.4 | 1 | 12.9 | 27 | 0 | 0 | 0 | 0 |
| | Quseir ... ... ... ... ... ... ... | 28.3 | —2.2 | 20.9 | —2.2 | 24.6 | 30.5 | 11 | 26.0 | 27 | 31 | 2 | 0 | 0 | 0 | 23.4 | 3 | 17.1 | 30 | 0 | 0 | 0 | 0 |

# TABLE A 3.—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

## OCTOBER 1959

| Region | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh ... ... (A) ... | 47.1 | +11.3 | 32.4 | 27 | 6 | 5 | 1 | 1 | 0 | 0.0 | — | 266.3 | 314.0 | 85 | 2.5 | 3.5 | 3.6 | 2.6 | 4.3 |
| | Bonka ... ... ... ... | 78.5 | — | 35.2 | 27 | 8 | 5 | 2 | 2 | 0 | 0.0 | — | — | — | — | — | 2.1 | 1.4 | 2.2 | 2.2 |
| | Tartous ... ... ... | tr. | — | tr. | 15 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.1 | 1.8 | 1.4 | 3.4 |
| Western Inland | Damascus ... (A) ... | 0.8 | — 6.4 | 0.8 | 22 | 1 | 0 | 0 | 0 | 0 | 0.0 | — | 306.7 | 330.5 | 93 | 0.9 | 1.2 | 2.1 | 1.2 | 6.1 |
| | Aleppo ... ... (A) ... | 7.3 | +13.1 | 4.2 | 27 | 3 | 2 | 0 | 0 | 0 | 0.0 | — | 280.6 | 328.3 | 85 | 1.9 | 2.4 | 3.5 | 2.1 | 5.2 |
| | Hama ... ... (A) ... | 12.1 | + 2.5 | 8.2 | 27 | 5 | 4 | 0 | 0 | 0 | 0.0 | — | 284.6 | 328.5 | 87 | 1.4 | 2.5 | 2.8 | 1.6 | 4.7 |
| | Homs ... ... ... ... | 19.2 | + 7.1 | 9.0 | 18 | 6 | 6 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.8 | 3.2 | 3.0 | — |
| | Kharabo ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.3 | 0.9 | 0.4 | — |
| | Salamiyie ... ... ... | 11.9 | — | 5.6 | 18 | 6 | 5 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.7 | 1.7 | 1.2 | 3.1 |
| | Meselmiyie ... ... ... | 5.1 | — | 2.0 | 13 | 5 | 2 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.8 | 2.1 | 1.9 | 5.5 |
| | Eiq ... ... ... ... | 1.3 | — | 1.3 | 27 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | 304.3 | 327.3 | 93 | — | 1.9 | 2.1 | 1.2 | 5.6 |
| | Tell Shihab ... ... ... | 0.2 | — | 0.2 | 27 | 1 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.1 | 1.4 | 0.5 | 3.9 |
| Desert | Palmyra ... (A) ... | 0.3 | — 0.9 | 0.2 | 23 | 2 | 0 | 0 | 0 | 0 | 0.0 | — | 307.0 | 327.2 | 94 | 0.7 | 1.3 | 1.6 | 0.9 | 6.4 |
| El Gezira | Deir Ezzor ... (A) ... | 7.1 | + 3.4 | 5.9 | 24 | 3 | 2 | 0 | 0 | 0 | 0.0 | — | 285.9 | 303.7 | 94 | 0.9 | 1.3 | 1.6 | 1.4 | 6.4 |
| | Raqqa ... ... ... ... | 2.2 | — | 1.7 | 24 | 2 | 1 | 0 | 0 | 0 | 0.0 | — | 281.3 | 299.4 | 94 | 1.1 | 1.7 | 2.5 | 1.5 | 5.7 |
| North Eastern | Qamishlie ... (A) ... | 17.2 | + 8.1 | 16.2 | 24 | 4 | 1 | 1 | 0 | 0 | 0.0 | — | 276.8 | 306.5 | 90 | 2.0 | 1.7 | 3.0 | 1.7 | 5.7 |
| | Tell Tamer ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 0.9 | 2.1 | 1.5 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum ... ... ... ... | 43.9 | +28.6 | 22.8 | 2 | 7 | 5 | 2 | 0 | 0 | 0.0 | — | — | — | — | 2.4 | 2.5 | 3.1 | 2.6 | 7.6 |
| | Sidi Barrani ... ... ... | 48.1 | +25.4 | 36.1 | 25 | 4 | 4 | 1 | 1 | 0 | 0.0 | — | — | — | — | — | 3.4 | 3.0 | 2.4 | 7.5 |
| | Mersa Matruh (A) ... | 4.0 | — 4.1 | 1.8 | 24 | 4 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | 3.1 | 3.6 | 3.0 | 2.5 | 9.4 |
| | Dabaa ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Alexandria ... (A) ... | 24.5 | +17.9 | 9.9 | 27 | 4 | 3 | 0 | 0 | 0 | 0.0 | — | (287.9) | (343.2) | 183.9 | 2.1 | 2.4 | 2.8 | 1.5 | 4.3 |
| | Dekheila ... (A) ... | 8.8 | + 5.3 | 6.2 | 24 | 3 | 2 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.5 | 2.1 | 2.2 | 1.2 | 5.7 |
| | Damietta ... ... ... | 17.2 | +11.2 | 13.2 | 16 | 3 | 2 | 1 | 0 | 0 | 0.0 | — | — | — | — | — | 1.4 | 2.5 | 0.4 | 3.9 |
| | Port Said ... (A) ... | 4.7 | + 2.0 | 3.6 | 16 | 4 | 1 | 0 | 0 | 0 | 0.0 | — | 306.8 | 354.6 | 86.5 | 0.9 | 1.6 | 1.7 | 0.8 | 8.0 |
| | El Arish ... ... ... | tr. | — 4.0 | tr. | 17 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.8 | 2.6 | 1.6 | 1.8 | 5.3 |
| | Ghazza ... ... ... ... | 2.2 | — 5.8 | 1.0 | 27 | 4 | 1 | 0 | 0 | 0 | 0.0 | — | 298.7 | 354.0 | 84.4 | 1.3 | 2.3 | 1.9 | 1.2 | 4.8 |

Actual number of sunshine records was 30 days at Alexandria.

TABLE A 3 (*continued*).—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

OCTOBER 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0900 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Southern Region** (*conta.*) | | | | | | | | | | | | | | | | | | | |
| LOWER EGYPT | Damanhour ... ... ... | 19·4 | +16·1 | 14.2 | 24 | 2 | 2 | 1 | 0 | 0 | 0·0 | — | — | — | — | — | 0.9 | 2.6 | 1.2 | 3.6 |
| | Mansoura ... ... ... | 3.0 | —2.4 | 3.0 | 25 | 1 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.3 | 3.9 | 0.1 | 3.1 |
| | Tanta ... ... ... ... | 1.9 | —2.8 | 1.1 | 25 | 2 | 1 | 0 | 0 | 0 | 0·0 | — | 303.4 | 354.6 | 85.6 | — | 0.3 | 2.2 | 0.1 | 4.2 |
| | Shebin el Kom ... ... | tr. | —2.0 | tr. | 17·25 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.9 | 1.7 | 0.6 | 3 4 |
| | Zagazig ... ... ... ... | 1·8 | +0.1 | 1.8 | 25 | 1 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.4 | 4.3 | 0.2 | 3.6 |
| | Zaher ... ... (A) ... | 0.1 | — | 0.1 | 25 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.5 | 2.0 | 0.1 | 7.9 |
| | Wadi el Natrun ... ... | 0.4 | —0.2 | 0.4 | 25 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.6 | 2.0 | 0.4 | 7.1 |
| | Abu Sueir ... (A) ... | tr. | — | tr. | 17·18·25 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.7 | 1.0 | 2.5 | 0.5 | 10.0 |
| CAIRO AREA | Cairo ... ... (A) ... | tr. | —0.2 | tr. | 16·25 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.5 | 1.0 | 2.1 | 0.4 | 8.5 |
| | Almaza ... ... (A) ... | 0.4 | —0.3 | 0.2 | 16·25 | 2 | 0 | 0 | 0 | 0 | 0·0 | — | 311.0 | 355.4 | 87.5 | 0·5 | 1.2 | 1.8 | 0.4 | 7.2 |
| | Abbasiya (H.Q.) ... | tr. | — | tr. | 25 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | (233.3) | (265.0) | 88.0 | 0.4 | 1.0 | 1.3 | 0.5 | 5.9 |
| | Mostafa Helmi (A) ... | 0.8 | — | 0.8 | 25 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.2 | 1.0 | 1.9 | 0.4 | 10.4 |
| | Giza ... ... ... ... | 0.6 | —2.4 | 0.6 | 25 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | 305.2 | 355.4 | 85.9 | — | 1.0 | 1.7 | 0.2 | 5.8 |
| | Helwan ... ... ... ... | 0.3 | —1.7 | 0.3 | 25 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | (303.3) | (343.7) | 88.2 | — | 0.8 | 1.4 | 0.7 | 9.2 |
| UPPER EGYPT | Fayoum ... ... ... ... | tr. | —1.0 | tr. | 25 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.8 | 1.0 | 0.0 | 5.4 |
| | Beni Suef ... ... ... | tr. | —0.1 | tr. | 25 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.0 | 0.8 | 0.4 | 5.8 |
| | Minya ... ... (A) ... | 0.0 | —0.6 | 0·0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.6 | 0.5 | 0.2 | 7.1 |
| | Asyout ... ... (A) ... | 0.0 | —tr | 0·0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0·5 | 0.2 | 0.2 | 11.6 |
| | Nag Hammadi ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.0 | 0.8 | 0.5 | 5.9 |
| | Qena ... ... ... ... | 0.0 | —1.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.2 | 0.3 | 0.2 | 7.2 |
| | Luxor ... ... (A) ... | tr. | +tr | tr. | 16 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.4 | 0.3 | 0.3 | 0.5 | 8.3 |
| | Aswan ... ... ... ... | 0.0 | —0.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.6 | 0.6 | 0.5 | 0.4 | 10.8 |
| WESTERN DESERT | Siwa ... ... ... ... | 0.5 | +0.5 | 0.5 | 24 | 1 | 0 | 1 | 0 | 0 | 0·0 | — | — | — | — | 0.5 | 0.8 | 1.2 | 0.6 | 9.7 |
| | Bahariya ... ... ... | 0.0 | —0.2 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.4 | 0.6 | 0.7 | 0.4 | 6.3 |
| | Farafra ... ... ... ... | 0.0 | —1.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.3 | 0.4 | 0.0 | 12.4 |
| | Dakhla ... ... ... ... | 0·0 | 0·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.0 | 0.3 | 0.5 | 0.2 | 14.3 |
| | Kharga ... ... ... ... | 0.0 | 0·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0·1 | 0.4 | 0.5 | 0.1 | 11.3 |
| RED SEA | Suez... ... ... ... ... | 0.0 | —2.8 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.1 | 0.8 | 0.3 | 9.0 |
| | Tor ... ... ... ... ... | 0.0 | —1.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.2 | 0.3 | 0.5 | 0.4 | 7.3 |
| | Hurghada ... ... ... | 0.0 | 0·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.2 | 0.2 | 0.3 | 0.3 | 14.6 |
| | Quseir ... ... ... ... | 0.0 | —1.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.6 | 0.4 | 0.4 | 0.5 | 14.3 |

Actual number of sunshine records was 30 days at Helwan aud 23 days at Abbasiya (H.Q.).

## TABLE A 4.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

### OCTOBER 1959

| Station | Number of days of occurrence of | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rain | Snow | Hail | Thunderstorm | Fog | Mist | Haze | Sandstorm Duststorm | Sandrising Dustrising | Gales | Cloudy sky | Clear sky |
| **NORTHERN REGION** | | | | | | | | | | | | |
| Jableh ... ... ... (A) ... ... | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 |
| Bouka ... ... ... ... ... ... | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Tartous ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Damascus ... ... (A) ... ... | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 2 | 0 | 0 | 16 |
| Aleppo ... ... ... (A) ... ... | 3 | 0 | 0 | 1 | 2 | 2 | 4 | 0 | 0 | 0 | 0 | 12 |
| Hama ... ... ... (A) ... ... | 5 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 0 | 0 | 12 |
| Homs ... ... ... ... ... ... | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Kharabo ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Salamiyie ... ... ... ... ... | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Meselmiyie ... ... ... ... ... | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Fiq ... ... ... ... ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 16 |
| Tell Shihab ... ... ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Palmyra ... ... ... (A) ... ... | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 17 |
| Deir Ezzor ... ... (A) ... ... | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 10 |
| Raqqa ... ... ... ... ... ... | 2 | 0 | 0 | 1 | 0 | 2 | 2 | 1 | 8 | 0 | 0 | 12 |
| Qamishlie ... ... (A) ... ... | 4 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 11 |
| Tell Tamer ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| **SOUTHERN REGION** | | | | | | | | | | | | |
| Sallum ... ... ... ... ... ... | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 3 | 14 |
| Sidi Barrani ... ... ... ... ... | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | — | — |
| Mersa Matruh ... (A) ... ... | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 11 |
| Alexandria ... ... (A) ... ... | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| Port Said ... ... (A) ... ... | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| El Arish ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| Abu Sueir ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 0 | 0 | 26 |
| Cairo ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 25 |
| Almaza ... ... ... (A) ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 25 |
| Abbasiya (H.Q.) ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| Mostafa Helmi ... (A) ... ... | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 2 | 1 | 0 | 0 | 27 |
| Minya ... ... ... (A) ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Asyout ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Luxor ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| Aswan ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| Siwa ... ... ... ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| Hurghada ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Quseir ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 27 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## NORTHERN REGION—OCTOBER 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| COASTAL | Jabloh (A) | 303 | 0 | 0 | 1-10 | 2 | 5 | 16 | 51 | 43 | 2 | 20 | 8 | 13 | 34 | 38 | 15 | 46 | 16 | 7 | 4 | 310 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 44 | 51 | 5 | 4 | 5 | 4 | 1 | 130 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **2** | **5** | **16** | **51** | **43** | **2** | **20** | **8** | **19** | **78** | **89** | **21** | **50** | **21** | **11** | **5** | **441** |
| | Bouka ... ... | 429 | 0 | 0 | 1—10 | 6 | 0 | 4 | 1 | 0 | 0 | 3 | 0 | 3 | 31 | 57 | 46 | 34 | 41 | 19 | 4 | 249 |
| | | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 23 | 15 | 1 | 5 | 11 | 0 | 65 |
| | | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **6** | **0** | **4** | **1** | **0** | **0** | **3** | **0** | **5** | **39** | **80** | **62** | **35** | **46** | **30** | **4** | **315** |
| WESTERN INLAND | Damascus (A) | 252 | 0 | 0 | 1-10 | 18 | 27 | 38 | 54 | 38 | 21 | 17 | 16 | 24 | 10 | 13 | 14 | 29 | 18 | 10 | 13 | 360 |
| | | | | | 11-27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 6 | 8 | 13 | 42 | 32 | 20 | 132 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **20** | **28** | **38** | **54** | **38** | **21** | **17** | **17** | **24** | **17** | **19** | **22** | **42** | **60** | **42** | **33** | **492** |
| | Aleppo (A) | 190 | 0 | 0 | 1-10 | 29 | 10 | 1 | 7 | 17 | 8 | 2 | 1 | 9 | 18 | 27 | 50 | 93 | 30 | 26 | 23 | 351 |
| | | | | | 11-27 | 34 | 2 | 1 | 2 | 5 | 3 | 1 | 2 | 10 | 1 | 8 | 27 | 74 | 9 | 10 | 12 | 201 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **63** | **12** | **2** | **9** | **22** | **11** | **3** | **3** | **19** | **19** | **35** | **77** | **169** | **39** | **36** | **35** | **554** |
| | Hama (A) | 158 | 0 | 0 | 1-10 | 11 | 9 | 23 | 52 | 65 | 3 | 8 | 8 | 47 | 19 | 54 | 21 | 59 | 10 | 10 | 16 | 415 |
| | | | | | 11-27 | 2 | 2 | 0 | 1 | 0 | 2 | 0 | 1 | 16 | 14 | 94 | 22 | 13 | 0 | 0 | 2 | 169 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **13** | **11** | **23** | **53** | **65** | **5** | **8** | **9** | **63** | **33** | **150** | **43** | **72** | **10** | **10** | **18** | **586** |
| | Kharabo ... | 539 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 68 | 89 | 19 | 8 | 10 | 198 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 1 | 0 | 0 | 7 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **7** | **69** | **91** | **20** | **8** | **10** | **205** |
| | Salamiyie ... | 386 | 0 | 0 | 1-10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 | 37 | 98 | 52 | 13 | 14 | 2 | 0 | 246 |
| | | | | | 11-27 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 16 | 74 | 6 | 1 | 0 | 1 | 1 | 112 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **15** | **0** | **0** | **0** | **0** | **0** | **0** | **3** | **25** | **53** | **172** | **58** | **14** | **14** | **3** | **1** | **358** |
| | Fiq ... ... | 44 | 0 | 217 | 1-10 | 34 | 5 | 9 | 12 | 21 | 0 | 1 | 1 | 3 | 6 | 8 | 10 | 105 | 48 | 7 | 8 | 278 |
| | | | | | 11-27 | 36 | 6 | 0 | 3 | 12 | 0 | 0 | 3 | 1 | 0 | 2 | 5 | 80 | 44 | 5 | 8 | 205 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **70** | **11** | **9** | **15** | **33** | **0** | **1** | **4** | **4** | **6** | **10** | **15** | **185** | **92** | **12** | **16** | **483** |
| DESERT | Palmyra (A) | 142 | 0 | 0 | 1-10 | 23 | 7 | 14 | 6 | 7 | 3 | 4 | 7 | 8 | 7 | 7 | 36 | 239 | 97 | 49 | 29 | 543 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 21 | 21 | 7 | 4 | 59 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **23** | **7** | **14** | **6** | **7** | **3** | **4** | **7** | **8** | **7** | **7** | **42** | **260** | **118** | **56** | **33** | **602** |
| EL GEZEIRA | DeirEzzor (A) | 388 | 0 | 0 | 1-10 | 61 | 29 | 10 | 2 | 9 | 3 | 23 | 6 | 1 | 1 | 3 | 5 | 14 | 23 | 57 | 75 | 322 |
| | | | | | 11-27 | 8 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 10 | 10 | 34 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **69** | **29** | **10** | **2** | **11** | **3** | **23** | **7** | **2** | **1** | **4** | **5** | **14** | **24** | **67** | **85** | **356** |
| | Raqqa ... ... | 53 | 0 | 0 | 1-10 | 38 | 23 | 14 | 7 | 35 | 42 | 5 | 2 | 3 | 2 | 18 | 45 | 138 | 89 | 49 | 26 | 536 |
| | | | | | 11-27 | 9 | 6 | 1 | 0 | 6 | 5 | 0 | 0 | 0 | 0 | 3 | 29 | 65 | 11 | 14 | 6 | 155 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **47** | **29** | **15** | **7** | **41** | **47** | **5** | **2** | **3** | **2** | **21** | **74** | **203** | **100** | **63** | **32** | **691** |
| NORTH EASTERN | Qamishlie (A) | 204 | 0 | 0 | 1-10 | 85 | 14 | 25 | 22 | 12 | 0 | 5 | 11 | 17 | 18 | 24 | 24 | 46 | 14 | 15 | 66 | 398 |
| | | | | | 11-27 | 23 | 7 | 20 | 16 | 11 | 1 | 2 | 6 | 3 | 4 | 6 | 9 | 11 | 2 | 6 | 15 | 142 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **108** | **21** | **45** | **38** | **23** | **1** | **7** | **17** | **20** | **22** | **30** | **33** | **57** | **16** | **21** | **81** | **540** |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## SOUTHERN REGION—OCTOBER 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| MEDITERRANEAN | Sidi Barrani ... | 33 | 0 | 51 | 1–10 | 122 | 25 | 58 | 73 | 20 | 29 | 35 | 26 | 21 | 6 | 28 | 24 | 467 |
| | | | | | 11–27 | 46 | 25 | 3 | 46 | 9 | 0 | 3 | 3 | 2 | 7 | 27 | 22 | 193 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **168** | **50** | **61** | **119** | **29** | **29** | **38** | **29** | **23** | **13** | **55** | **46** | **660** |
| | Mersa Matruh (A) | 8 | 1 | 0 | 1–10 | 86 | 35 | 20 | 22 | 23 | 23 | 41 | 18 | 50 | 26 | 19 | 58 | 421 |
| | | | | | 11–27 | 50 | 57 | 9 | 1 | 10 | 12 | 11 | 20 | 38 | 13 | 40 | 53 | 314 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **136** | **92** | **29** | **23** | **33** | **35** | **52** | **38** | **88** | **39** | **59** | **111** | **735** |
| | Alexandria (A) | 33 | 0 | 0 | 1–10 | 108 | 78 | 33 | 29 | 25 | 7 | 15 | 26 | 9 | 9 | 51 | 108 | 498 |
| | | | | | 11–27 | 35 | 5 | 2 | 2 | 1 | 3 | 19 | 13 | 14 | 6 | 23 | 90 | 213 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **143** | **83** | **35** | **31** | **26** | **10** | **34** | **39** | **23** | **15** | **74** | **198** | **711** |
| | Sekheila (A) | 6 | 0 | 2 | 1–10 | 64 | 109 | 78 | 28 | 34 | 33 | 23 | 36 | 23 | 9 | 13 | 59 | 509 |
| | | | | | 11–27 | 67 | 51 | 10 | 3 | 2 | 2 | 4 | 14 | 12 | 8 | 8 | 46 | 227 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **131** | **160** | **88** | **31** | **36** | **35** | **27** | **50** | **35** | **17** | **21** | **105** | **736** |
| | Port Said (A) | 0 | 0 | 2 | 1–10 | 103 | 137 | 61 | 14 | 8 | 20 | 4 | 7 | 37 | 34 | 38 | 176 | 639 |
| | | | | | 11–27 | 11 | 16 | 20 | 6 | 1 | 0 | 0 | 18 | 17 | 5 | 8 | 1 | 103 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **114** | **153** | **81** | **20** | **9** | **20** | **4** | **25** | **54** | **39** | **46** | **177** | **742** |
| | El-Arish ... ... | 127 | 95 | 3 | 1–10 | 91 | 61 | 25 | 3 | 13 | 35 | 12 | 5 | 32 | 25 | 38 | 171 | 514 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **91** | **64** | **25** | **3** | **13** | **35** | **12** | **5** | **32** | **25** | **43** | **171** | **519** |
| LOWER EGYPT | Zeher (A) | 54 | 4 | 20 | 1–10 | 79 | 131 | 30 | 18 | 18 | 14 | 21 | 37 | 65 | 51 | 58 | 116 | 638 |
| | | | | | 11–27 | 0 | 8 | 1 | 0 | 0 | 2 | 0 | 4 | 7 | 2 | 1 | 3 | 28 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **79** | **139** | **31** | **18** | **18** | **16** | **21** | **41** | **72** | **53** | **59** | **119** | **666** |
| CAIRO AREA | Cairo (A) | 47 | 7 | 1 | 1–10 | 89 | 90 | 135 | 71 | 30 | 6 | 20 | 16 | 25 | 35 | 36 | 88 | 641 |
| | | | | | 11–27 | 0 | 1 | 17 | 6 | 4 | 3 | 3 | 5 | 3 | 4 | 1 | 1 | 48 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **89** | **91** | **152** | **77** | **34** | **9** | **23** | **21** | **28** | **39** | **37** | **89** | **689** |
| | Almaza (A) | 1 | 1 | 4 | 1–10 | 49 | 96 | 183 | 120 | 15 | 43 | 10 | 3 | 7 | 11 | 20 | 36 | 593 |
| | | | | | 11–27 | 7 | 14 | 37 | 24 | 5 | 11 | 3 | 16 | 11 | 7 | 8 | 2 | 145 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **56** | **110** | **220** | **144** | **20** | **54** | **13** | **19** | **18** | **18** | **28** | **38** | **738** |
| | Abbasiya (H.Q.) | 121 | 10 | 4 | 1–10 | 195 | 130 | 18 | 11 | 7 | 7 | 25 | 19 | 28 | 14 | 50 | 85 | 598 |
| | | | | | 11–27 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 11 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **195** | **135** | **19** | **11** | **7** | **7** | **25** | **23** | **29** | **14** | **50** | **85** | **609** |
| | Mostafa Helmi (A) | 18 | 4 | 6 | 1–10 | 44 | 134 | 85 | 12 | 21 | 12 | 6 | 11 | 22 | 12 | 26 | 37 | 422 |
| | | | | | 11–27 | 53 | 109 | 66 | 3 | 3 | 0 | 1 | 12 | 9 | 7 | 10 | 21 | 294 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **97** | **243** | **151** | **15** | **24** | **12** | **7** | **23** | **31** | **19** | **36** | **58** | **716** |
| | Giza ... ... .. | 128 | 8 | 0 | 1–10 | 93 | 138 | 137 | 22 | 5 | 26 | 12 | 6 | 11 | 13 | 39 | 105 | 607 |
| | | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **93** | **138** | **137** | **22** | **5** | **26** | **12** | **7** | **11** | **13** | **39** | **105** | **608** |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

### SOUTHERN REGION (*contd.*) — OCTOBER 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| Upper Egypt | Minya (A) | 18 | 5 | 0 | 1–10 | 253 | 25 | 1 | 0 | 1 | 14 | 7 | 2 | 7 | 16 | 17 | 195 | 538 |
| | | | | | 11–27 | 154 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 10 | 183 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **407** | **39** | **1** | **0** | **1** | **14** | **7** | **2** | **7** | **16** | **22** | **205** | **721** |
| | Luxor (A) | — | — | — | 1–10 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | | 11–27 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | | 28–47 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | | ≥ 48 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Western Desert | Siwa ... ... ... | 110 | 3 | 0 | 1–10 | 34 | 20 | 25 | 77 | 86 | 65 | 39 | 13 | 15 | 26 | 49 | 55 | 504 |
| | | | | | 11–27 | 15 | 2 | 4 | 12 | 25 | 12 | 0 | 2 | 2 | 1 | 30 | 22 | 127 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **49** | **22** | **29** | **89** | **111** | **77** | **39** | **15** | **17** | **27** | **79** | **77** | **631** |
| | Dakhla ... ... | 27 | 1 | 0 | 1–10 | 81 | 60 | 14 | 6 | 3 | 6 | 13 | 17 | 16 | 55 | 132 | 213 | 616 |
| | | | | | 11–27 | 65 | 25 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 100 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **146** | **85** | **15** | **6** | **3** | **6** | **13** | **17** | **16** | **55** | **137** | **217** | **716** |
| Red Sea | Hurghada ... ... | 0 | 5 | 4 | 1–10 | 12 | 8 | 4 | 4 | 1 | 5 | 2 | 1 | 0 | 4 | 46 | 40 | 127 |
| | | | | | 11–27 | 195 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 156 | 240 | 601 |
| | | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **207** | **16** | **5** | **4** | **1** | **5** | **2** | **1** | **0** | **5** | **202** | **287** | **735** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## JABLEH (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 14 | 0 | 0 | 1-10 | 0 | 1 | 1 | 6 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 6 | 3 | 0 | 0 | 1 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 17 |
| 0300 | 14 | 0 | 0 | 1-10 | 0 | 0 | 2 | 5 | 2 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 5 | 2 | 0 | 3 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 17 |
| 0600 | 18 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 2 | 0 | 2 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 2 | 0 | 2 | 1 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 13 |
| 0900 | 13 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 4 | 2 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 7 | 0 | 4 | 2 | 0 | 0 | 18 |
| 1200 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 7 | 2 | 8 | 0 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 1 | 2 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 11 | 2 | 9 | 2 | 0 | 0 | 29 |
| 1500 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 1 | 1 | 3 | 3 | 0 | 1 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 2 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 4 | 1 | 3 | 3 | 2 | 1 | 22 |
| 1800 | 19 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 12 |
| 2100 | 16 | 0 | 0 | 1-10 | 0 | 0 | 2 | 6 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 6 | 2 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 15 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## BOUKA — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 26 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 5 |
| 0300 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| 0600 | 25 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 6 |
| 0900 | 8 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 4 | 5 | 1 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 5 | 5 | 1 | 0 | 0 | 23 |
| 1200 | 2 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 7 | 3 | 3 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 1 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 7 | 7 | 3 | 4 | 0 | 29 |
| 1500 | 14 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 1 | 4 | 3 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 1 | 4 | 5 | 0 | 17 |
| 1800 | 24 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | 7 |
| 2100 | 24 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 1 | 0 | 0 | 7 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DAMASCUS (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 17 | 0 | 0 | 1-10 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 0 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 4 | 1 | 0 | 14 |
| 0300 | 25 | 0 | 0 | 1-10 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 6 |
| 0600 | 20 | 0 | 0 | 1-10 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 11 |
| 0900 | 4 | 0 | 0 | 1-10 | 0 | 1 | 2 | 2 | 4 | 4 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 23 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 2 | 4 | 4 | 2 | 2 | 3 | 2 | 0 | 0 | 0 | 3 | 1 | 0 | 27 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 6 | 3 | 5 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 3 | 3 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 6 | 3 | 5 | 0 | 1 | 1 | 0 | 3 | 0 | 1 | 3 | 2 | 3 | 3 | 31 |
| 1500 | 2 | 0 | 0 | 1-10 | 0 | 3 | 1 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 2 | 1 | 2 | 5 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 1 | 6 | 2 | 0 | 0 | 1 | 0 | 2 | 1 | 2 | 2 | 3 | 5 | 1 | 29 |
| 1800 | 9 | 0 | 0 | 1-10 | 2 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 1 | 3 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 4 | 2 | 4 | 22 |
| 2100 | 10 | 0 | 0 | 1-10 | 0 | 3 | 2 | 4 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 3 | 0 | 1 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 2 | 4 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 3 | 2 | 2 | 1 | 21 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEPPO (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 13 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 1 | 2 | 2 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 8 | 1 | 3 | 2 | 18 |
| 0300 | 18 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 2 | 2 | 0 | 11 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 2 | 2 | 0 | 13 |
| 0600 | 7 | 0 | 0 | 1-10 | 3 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 5 | 1 | 2 | 0 | 21 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 5 | 1 | 2 | 0 | 24 |
| 0900 | 3 | 0 | 0 | 1-10 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 1 | 1 | 0 | 1 | 2 | 14 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 4 | 1 | 5 | 5 | 0 | 1 | 2 | 28 |
| 1200 | 5 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 10 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 6 | 0 | 0 | 1 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 5 | 2 | 10 | 0 | 0 | 1 | 26 |
| 1500 | 5 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 4 | 0 | 1 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 1 | 0 | 2 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 11 | 5 | 0 | 3 | 26 |
| 1800 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 2 | 8 | 3 | 0 | 0 | 17 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 3 | 0 | 0 | 1 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 1 | 4 | 11 | 3 | 0 | 1 | 28 |
| 2100 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 2 | 5 | 1 | 3 | 0 | 17 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 3 | 6 | 2 | 4 | 0 | 22 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## HAMA (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 7 | 0 | 0 | 1-10 | 0 | 1 | 2 | 4 | 8 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 4 | 8 | 0 | 0 | 0 | 4 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 24 |
| 0300 | 8 | 0 | 0 | 1-10 | 0 | 1 | 2 | 8 | 2 | 0 | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 8 | 2 | 0 | 2 | 1 | 3 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 23 |
| 0600 | 5 | 0 | 0 | 1-10 | 0 | 1 | 2 | 6 | 8 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 6 | 8 | 0 | 0 | 0 | 3 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 26 |
| 0900 | 7 | 0 | 0 | 1-10 | 1 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 0 | 3 | 1 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 2 | 0 | 6 | 2 | 3 | 0 | 3 | 1 | 24 |
| 1200 | 3 | 0 | 0 | 1-10 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 4 | 1 | 1 | 3 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 3 | 2 | 0 | 0 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 4 | 6 | 1 | 1 | 3 | 28 |
| 1500 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 0 | 0 | 2 | 11 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 6 | 5 | 4 | 0 | 0 | 0 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 7 | 7 | 10 | 0 | 0 | 2 | 29 |
| 1800 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 3 | 5 | 1 | 4 | 0 | 1 | 0 | 19 |
| | | | | 11-27 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 1 | 3 | 4 | 7 | 1 | 4 | 0 | 1 | 0 | 26 |
| 2100 | 10 | 0 | 0 | 1-10 | 0 | 0 | 1 | 3 | 4 | 1 | 0 | 1 | 3 | 1 | 2 | 0 | 1 | 0 | 0 | 1 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 3 | 4 | 1 | 0 | 1 | 3 | 1 | 4 | 1 | 1 | 0 | 0 | 1 | 21 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## KHARABO — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 28 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| 0300 | 29 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| 0600 | 29 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| 0900 | 17 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 0 | 3 | 1 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 0 | 3 | 1 | 14 |
| 1200 | 11 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 3 | 1 | 0 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 9 | 3 | 1 | 0 | 20 |
| 1500 | 18 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 0 | 0 | 0 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 0 | 0 | 0 | 13 |
| 1800 | 23 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 8 |
| 2100 | 27 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 4 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 4 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## SALAMIYIE — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 24 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 7 |
| 0300 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| 0600 | 17 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 14 |
| 0900 | 8 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 2 | 2 | 0 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 2 | 0 | 0 | 1 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 12 | 4 | 2 | 0 | 1 | 0 | 23 |
| 1200 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 7 | 2 | 2 | 1 | 0 | 19 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 14 | 7 | 2 | 2 | 1 | 0 | 29 |
| 1500 | 8 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 5 | 1 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 14 | 5 | 1 | 0 | 0 | 0 | 23 |
| 1800 | 15 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 1 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 10 | 1 | 0 | 0 | 0 | 0 | 16 |
| 2100 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## FIQ — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | — | — | — | 1–10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11–27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28–47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥ 48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | — |
| 0300 | — | — | — | 1–10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11–27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28–47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥ 48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0600 | 4 | 0 | 0 | 1–10 | 0 | 1 | 1 | 3 | 8 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | | 2 | 0 | 0 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 4 | 12 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 4 | 2 | 0 | 0 | 27 |
| 0900 | 2 | 0 | 0 | 1–10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 7 | 6 | 1 | 1 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 1 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 2 | 2 | 2 | 9 | 8 | 1 | 2 | 29 |
| 1200 | 0 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 5 | 0 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 3 | 0 | 1 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 20 | 8 | 0 | 1 | 31 |
| 1500 | 2 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 1 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 1 | 2 | 21 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 9 | 1 | 3 | 29 |
| 1800 | 2 | 0 | 0 | 1–10 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 1 | 0 | 15 |
| | | | | 11–27 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 1 | 1 | 29 |
| 2100 | 7 | 0 | 0 | 1–10 | 7 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 2 | 0 | 18 |
| | | | | 11–27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 2 | 0 | 24 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## PALMYRA (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 13 | 3 | 4 | 2 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **16** | **3** | **4** | **2** | **29** |
| 0300 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 | 3 | 2 | 1 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **17** | **3** | **3** | **1** | **26** |
| 0600 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 13 | 6 | 3 | 0 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **3** | **15** | **6** | **3** | **0** | **29** |
| 0900 | 6 | 0 | 0 | 1-10 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 10 | 4 | 0 | 0 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **2** | **1** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **6** | **10** | **5** | **0** | **0** | **25** |
| 1200 | 7 | 0 | 0 | 1-10 | 0 | 1 | 2 | 0 | 2 | 0 | 2 | 2 | 1 | 0 | 0 | 3 | 2 | 4 | 0 | 3 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **1** | **2** | **0** | **2** | **0** | **2** | **2** | **1** | **0** | **0** | **3** | **2** | **5** | **0** | **4** | **24** |
| 1500 | 14 | 0 | 0 | 1-10 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 1 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **2** | **1** | **0** | **0** | **1** | **0** | **2** | **0** | **0** | **0** | **0** | **3** | **2** | **4** | **1** | **17** |
| 1800 | 5 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 6 | 5 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **9** | **6** | **5** | **26** |
| 2100 | 1 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 17 | 4 | 1 | 1 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **0** | **18** | **5** | **1** | **1** | **30** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DEIR EZZOR (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 18 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 5 | 12 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 5 | 13 |
| 0300 | 20 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 6 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 6 | 11 |
| 0600 | 13 | 0 | 0 | 1-10 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 3 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 3 | 18 |
| 0900 | 9 | 0 | 0 | 1-10 | 5 | 4 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 15 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 3 | 22 |
| 1200 | 9 | 0 | 0 | 1-10 | 0 | 2 | 3 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 4 | 19 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 3 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 5 | 22 |
| 1500 | 20 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 5 | 1 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 5 | 2 | 11 |
| 1800 | 23 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 1 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 1 | 8 |
| 2100 | 23 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 2 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 2 | 8 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## RAQQA — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 0 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 8 | 5 | 2 | 1 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 5 | 2 | 1 | 28 |
| 0300 | 2 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 3 | 2 | 7 | 6 | 4 | 1 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 3 | 3 | 7 | 6 | 4 | 1 | 29 |
| 0600 | 1 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 5 | 1 | 2 | 20 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 1 | 2 | 6 | 5 | 5 | 1 | 2 | 30 |
| 0900 | 1 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 1 | 1 | 2 | 18 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 1 | 0 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 1 | 4 | 9 | 2 | 1 | 3 | 30 |
| 1200 | 2 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 2 | 2 | 2 | 2 | 3 | 18 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 1 | 1 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 4 | 7 | 3 | 3 | 3 | 29 |
| 1500 | 3 | 0 | 0 | 1-10 | 3 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 1 | 9 | 3 | 2 | 1 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 1 | 10 | 3 | 2 | 1 | 28 |
| 1800 | 2 | 0 | 0 | 1-10 | 2 | 1 | 2 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | 6 | 0 | 1 | 25 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 2 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 9 | 6 | 1 | 1 | 29 |
| 2100 | 1 | 0 | 0 | 1-10 | 3 | 1 | 1 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 2 | 2 | 4 | 5 | 4 | 1 | 27 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 1 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 2 | 3 | 5 | 5 | 4 | 1 | 30 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## QAMISHLIE (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 8 | 0 | 0 | 1-10 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | 17 |
| | | | | 11-27 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 3 | 23 |
| 0300 | 8 | 0 | 0 | 1-10 | 5 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 17 |
| | | | | 11-27 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 23 |
| 0600 | 6 | 0 | 0 | 1-10 | 4 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 2 | 17 |
| | | | | 11-27 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 1 | 5 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 3 | 25 |
| 0900 | 6 | 0 | 0 | 1-10 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 3 | 2 | 2 | 1 | 1 | 2 | 1 | 0 | 17 |
| | | | | 11-27 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 2 | 2 | 1 | 0 | 1 | 1 | 4 | 2 | 2 | 1 | 2 | 3 | 1 | 0 | 25 |
| 1200 | 7 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 2 | 2 | 4 | 1 | 0 | 3 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 3 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 2 | 7 | 1 | 0 | 3 | 24 |
| 1500 | 9 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 1 | 4 | 2 | 4 | 1 | 1 | 1 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 1 | 1 | 4 | 3 | 5 | 1 | 1 | 1 | 22 |
| 1800 | 11 | 0 | 0 | 1-10 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 2 | 6 | 18 |
| | | | | 11-27 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 2 | 6 | 20 |
| 2100 | 10 | 0 | 0 | 1-10 | 5 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 16 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 7 | 21 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## SALLUM — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 9 | 0 | 0 | 1–10 | 0 | 1 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 3 | 2 | 1 | 13 |
| | | | | 11–27 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 5 | 5 | 0 | 0 | 1 | 0 | 1 | 3 | 4 | 2 | 22 |
| 0300 | 7 | 0 | 0 | 1–10 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 5 | 13 |
| | | | | 11–27 | 1 | 0 | 2 | 2 | 1 | 0 | 0 | 1 | 0 | 3 | 1 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 4 | 3 | 1 | 0 | 0 | 1 | 0 | 5 | 3 | 5 | 24 |
| 0600 | 8 | 0 | 0 | 1–10 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 10 |
| | | | | 11–27 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 2 | 1 | 5 | 0 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 4 | 2 | 0 | 0 | 2 | 1 | 7 | 2 | 2 | 23 |
| 0900 | 3 | 0 | 0 | 1–10 | 0 | 2 | 3 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 2 | 16 |
| | | | | 11–27 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 5 | 0 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 3 | 7 | 0 | 0 | 0 | 2 | 2 | 5 | 3 | 2 | 28 |
| 1200 | 1 | 0 | 0 | 1–10 | 1 | 3 | 5 | 3 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 3 | 19 |
| | | | | 11–27 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 1 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 7 | 5 | 0 | 0 | 1 | 2 | 2 | 4 | 1 | 4 | 30 |
| 1500 | 1 | 0 | 0 | 1–10 | 0 | 1 | 3 | 5 | 0 | 0 | 2 | 0 | 2 | 1 | 1 | 2 | 17 |
| | | | | 11–27 | 0 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 6 | 7 | 0 | 0 | 2 | 0 | 3 | 3 | 3 | 3 | 30 |
| 1800 | 7 | 0 | 0 | 1–10 | 0 | 5 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 17 |
| | | | | 11–27 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 5 | 4 | 5 | 1 | 0 | 0 | 1 | 0 | 4 | 1 | 3 | 24 |
| 2100 | 8 | 0 | 0 | 1–10 | 1 | 2 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 1 | 2 | 3 | 13 |
| | | | | 11–27 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 1 | 6 | 2 | 0 | 0 | 1 | 2 | 2 | 3 | 3 | 23 |

BLM A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MERSA MATRUH (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 4 | 0 | 0 | 1-10 | 2 | 3 | 0 | 0 | 0 | 1 | 1 | 2 | 4 | 1 | 0 | 1 | 15 |
| | | | | 11-27 | 2 | 2 | 1 | 0 | 2 | 0 | 1 | 2 | 1 | 0 | 1 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 5 | 1 | 0 | 2 | 1 | 2 | 4 | 5 | 1 | 1 | 1 | 27 |
| 0300 | 3 | 0 | 0 | 1-10 | 1 | 2 | 0 | 0 | 0 | 0 | 5 | 3 | 6 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 2 | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 1 | 0 | 0 | 1 | 6 | 4 | 8 | 0 | 1 | 0 | 28 |
| 0600 | 4 | 0 | 0 | 1-10 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 3 | 4 | 0 | 0 | 1 | 14 |
| | | | | 11-27 | 3 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 4 | 0 | 1 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 1 | 0 | 2 | 2 | 2 | 4 | 8 | 0 | 1 | 1 | 27 |
| 0900 | 0 | 0 | 0 | 1-10 | 4 | 1 | 0 | 1 | 0 | 3 | 1 | 0 | 0 | 1 | 1 | 7 | 19 |
| | | | | 11-27 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 3 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 0 | 1 | 0 | 3 | 2 | 0 | 2 | 3 | 4 | 8 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 3 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 8 |
| | | | | 11-27 | 6 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 9 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 2 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 3 | 12 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 4 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 6 | 16 |
| | | | | 11-27 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 3 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 3 | 1 | 0 | 0 | 1 | 0 | 1 | 4 | 2 | 9 | 31 |
| 1800 | 2 | 0 | 0 | 1-10 | 5 | 2 | 1 | 4 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 3 | 18 |
| | | | | 11-27 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 5 | 1 | 4 | 0 | 1 | 0 | 1 | 2 | 2 | 1 | 5 | 29 |
| 2100 | 3 | 0 | 0 | 1-10 | 2 | 0 | 3 | 1 | 3 | 0 | 2 | 0 | 3 | 1 | 1 | 4 | 20 |
| | | | | 11-27 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 4 | 1 | 3 | 0 | 2 | 1 | 3 | 2 | 2 | 4 | 28 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ALEXANDRIA (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 6 | 0 | 0 | 1-10 | 7 | 3 | 0 | 2 | 1 | 1 | 3 | 1 | 0 | 0 | 0 | 2 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 0 | 2 | 1 | 1 | 4 | 1 | 0 | 0 | 1 | 5 | 25 |
| 0300 | 6 | 0 | 0 | 1-10 | 4 | 2 | 2 | 2 | 0 | 0 | 3 | 1 | 2 | 0 | 2 | 3 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 2 | 2 | 0 | 0 | 4 | 2 | 2 | 0 | 2 | 5 | 25 |
| 0600 | 5 | 0 | 0 | 1-10 | 2 | 5 | 0 | 2 | 2 | 1 | 1 | 3 | 1 | 0 | 2 | 2 | 21 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 5 | 0 | 2 | 2 | 1 | 2 | 4 | 1 | 0 | 3 | 3 | 26 |
| 0900 | 3 | 0 | 0 | 1-10 | 4 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 6 | 17 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 4 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 1 | 2 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 10 | 28 |
| 1200 | 0 | 0 | 0 | 1-10 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 10 |
| | | | | 11-27 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 3 | 8 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 5 | 11 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 12 |
| | | | | 11-27 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 10 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 13 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 8 | 25 |
| | | | | 11-27 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 11 | 31 |
| 2100 | 4 | 0 | 0 | 1-10 | 6 | 5 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 20 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 3 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 5 | 1 | 3 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 7 | 27 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DEKHEILA (A)—OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1—10 | 2 | 4 | 5 | 0 | 1 | 5 | 1 | 4 | 1 | 0 | 0 | 1 | 24 |
| | | | | 11—27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 6 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **5** | **5** | **0** | **1** | **5** | **1** | **4** | **2** | **0** | **0** | **3** | **30** |
| 0300 | 6 | 0 | 0 | 1—10 | 1 | 1 | 4 | 1 | 0 | 3 | 1 | 2 | 4 | 0 | 0 | 2 | 19 |
| | | | | 11—27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 6 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **2** | **4** | **1** | **0** | **3** | **1** | **3** | **4** | **0** | **1** | **3** | **25** |
| 0600 | 0 | 0 | 0 | 1—10 | 2 | 2 | 3 | 0 | 5 | 3 | 1 | 4 | 4 | 0 | 0 | 1 | 25 |
| | | | | 11—27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 6 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **3** | **3** | **0** | **3** | **3** | **1** | **5** | **4** | **0** | **0** | **3** | **31** |
| 0900 | 0 | 0 | 0 | 1—10 | 1 | 11 | 1 | 0 | 4 | 0 | 0 | 1 | 0 | 1 | 2 | 2 | 23 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 5 | 8 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **11** | **1** | **0** | **4** | **0** | **0** | **1** | **2** | **2** | **2** | **7** | **31** |
| 1200 | 0 | 0 | 0 | 1—10 | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 17 |
| | | | | 11—27 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 5 | 14 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **8** | **10** | **1** | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **1** | **9** | **31** |
| 1500 | 0 | 0 | 0 | 1—10 | 6 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 16 |
| | | | | 11—27 | 2 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 15 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **8** | **8** | **4** | **2** | **0** | **0** | **0** | **1** | **0** | **0** | **1** | **7** | **31** |
| 1800 | 0 | 0 | 0 | 1—10 | 4 | 8 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 22 |
| | | | | 11—27 | 3 | 3 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 9 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **11** | **3** | **4** | **0** | **0** | **1** | **0** | **1** | **1** | **0** | **3** | **31** |
| 2100 | 2 | 0 | 0 | 1—10 | 0 | 7 | 5 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 20 |
| | | | | 11—27 | 3 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 2 | 9 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **8** | **5** | **2** | **3** | **2** | **0** | **1** | **0** | **0** | **1** | **4** | **29** |

TABLE A 6.– NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## PORT SAID (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1-10 | 7 | 6 | 2 | 0 | 2 | 2 | 0 | 0 | 1 | 2 | 3 | 1 | 26 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 6 | 2 | 0 | 2 | 2 | 0 | 1 | 2 | 2 | 3 | 3 | 31 |
| 0300 | 0 | 0 | 0 | 1-10 | 8 | 4 | 3 | 1 | 0 | 3 | 1 | 0 | 2 | 5 | 0 | 1 | 28 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 4 | 3 | 1 | 0 | 3 | 1 | 1 | 3 | 5 | 0 | 1 | 31 |
| 0600 | 0 | 0 | 0 | 1-10 | 5 | 4 | 5 | 0 | 1 | 2 | 0 | 0 | 3 | 4 | 2 | 2 | 28 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 6 | 0 | 1 | 2 | 0 | 1 | 4 | 4 | 2 | 2 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 6 | 3 | 4 | 2 | 0 | 0 | 0 | 2 | 2 | 3 | 4 | 3 | 29 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 3 | 4 | 3 | 0 | 0 | 0 | 2 | 2 | 4 | 4 | 3 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 10 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 6 | 25 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 9 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 |
| | | | | 11-27 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 8 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 9 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 8 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 4 | 24 |
| | | | | 11-27 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 5 | 31 |
| 2100 | 0 | 0 | 0 | 1-10 | 6 | 7 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 27 |
| | | | | 11-27 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 7 | 3 | 3 | 1 | 0 | 0 | 2 | 0 | 2 | 3 | 3 | 31 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## EL ARISH—OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 14 | 0 | 0 | 1—10 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 1 | 2 | 1 | 1 | 4 | 17 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 1 | 2 | 1 | 1 | 4 | 17 |
| 0300 | 13 | 0 | 0 | 1—10 | 1 | 0 | 0 | 0 | 2 | 5 | 1 | 0 | 4 | 1 | 2 | 2 | 18 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 2 | 5 | 1 | 0 | 4 | 1 | 2 | 2 | 18 |
| 0600 | 8 | 0 | 0 | 1—10 | 0 | 1 | 0 | 0 | 4 | 5 | 2 | 1 | 7 | 1 | 0 | 2 | 23 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 4 | 5 | 2 | 1 | 7 | 1 | 0 | 2 | 23 |
| 0900 | 0 | 0 | 0 | 1—10 | 6 | 3 | 2 | 0 | 2 | 1 | 0 | 0 | 1 | 2 | 6 | 8 | 31 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 3 | 2 | 0 | 2 | 1 | 0 | 0 | 1 | 2 | 6 | 8 | 31 |
| 1200 | 0 | 0 | 0 | 1—10 | 8 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 15 | 31 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 15 | 31 |
| 1500 | 1 | 0 | 0 | 1—10 | 12 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 12 | 29 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 12 | 30 |
| 1800 | 5 | 0 | 0 | 1—10 | 10 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 26 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 26 |
| 2100 | 16 | 0 | 0 | 1—10 | 1 | 3 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 2 | 3 | 15 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 2 | 3 | 15 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABU SUEIR (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 14 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 2 | 4 | 5 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 2 | 5 | 5 | 17 |
| 0300 | 16 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 2 | 5 | 2 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 2 | 5 | 2 | 15 |
| 0600 | 13 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 2 | 3 | 2 | 3 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 1 | 3 | 3 | 2 | 4 | 18 |
| 0900 | 6 | 0 | 0 | 1-10 | 3 | 3 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 3 | 4 | 20 |
| | | | | 11-27 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 4 | 0 | 0 | 1 | 0 | 0 | 1 | 5 | 3 | 4 | 25 |
| 1200 | 1 | 0 | 0 | 1-10 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 4 | 16 |
| | | | | 11-27 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 4 | 4 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 8 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 9 |
| | | | | 11-27 | 4 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 3 | 31 |
| 1800 | 1 | 0 | 0 | 1-10 | 12 | 7 | 5 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 28 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 7 | 7 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 30 |
| 2100 | 10 | 0 | 0 | 1-10 | 3 | 2 | 1 | 3 | 0 | 0 | 1 | 1 | 0 | 2 | 2 | 6 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 1 | 3 | 0 | 0 | 1 | 1 | 0 | 2 | 2 | 6 | 21 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### CAIRO (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 7 | 0 | 0 | 1–10 | 0 | 1 | 2 | 8 | 6 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 8 | 8 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 24 |
| 0300 | 10 | 0 | 0 | 1–10 | 0 | 0 | 2 | 9 | 2 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 9 | 3 | 2 | 2 | 1 | 1 | 0 | 0 | 1 | 21 |
| 0600 | 11 | 0 | 0 | 1–10 | 0 | 2 | 8 | 3 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 8 | 4 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 20 |
| 0900 | 0 | 0 | 0 | 1–10 | 2 | 6 | 7 | 2 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 3 | 26 |
| | | | | 11–27 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 6 | 10 | 2 | 0 | 0 | 0 | 2 | 0 | 5 | 1 | 3 | 31 |
| 1200 | 0 | 0 | 0 | 1–10 | 5 | 5 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 7 | 27 |
| | | | | 11–27 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 5 | 5 | 1 | 0 | 0 | 0 | 2 | 0 | 4 | 2 | 7 | 31 |
| 1500 | 0 | 0 | 0 | 1–10 | 5 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 3 | 24 |
| | | | | 11–27 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 7 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 4 | 5 | 31 |
| 1800 | 3 | 0 | 0 | 1–10 | 7 | 3 | 9 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 26 |
| | | | | 11–27 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 4 | 9 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 28 |
| 2100 | 5 | 0 | 0 | 1–10 | 3 | 5 | 9 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 5 | 9 | 1 | 4 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 26 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### ALMAZA (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 2 | 1 | 5 | 7 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 1 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 5 | 7 | 3 | 7 | 1 | 1 | 1 | 0 | 0 | 1 | 29 |
| 0300 | 3 | 0 | 0 | 1-10 | 1 | 0 | 6 | 6 | 2 | 2 | 2 | 0 | 0 | 1 | 3 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 6 | 7 | 2 | 4 | 2 | 2 | 0 | 1 | 3 | 0 | 28 |
| 0600 | 1 | 0 | 0 | 1-10 | 0 | 5 | 8 | 4 | 1 | 2 | 1 | 0 | 1 | 2 | 0 | 2 | 26 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 5 | 9 | 4 | 1 | 3 | 1 | 1 | 2 | 2 | 0 | 2 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 3 | 7 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 19 |
| | | | | 11-27 | 1 | 2 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 5 | 9 | 8 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 17 |
| | | | | 11-27 | 2 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 13 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 1 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 |
| | | | | 11-27 | 4 | 7 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 13 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 3 | 6 | 3 | 4 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 1 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 7 | 7 | 10 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 31 |
| 2100 | 0 | 0 | 0 | 1-10 | 2 | 4 | 6 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 6 | 11 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 31 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ABBASIYA (H.Q.) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 16 | 0 | 0 | 1–10 | 4 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 15 |
| 0300 | 20 | 0 | 0 | 1–10 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 0 | 1 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 0 | 1 | 11 |
| 0600 | 12 | 0 | 0 | 1–10 | 6 | 3 | 3 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 3 | 3 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 19 |
| 0900 | 0 | 0 | 0 | 1–10 | 10 | 6 | 3 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 3 | 4 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 6 | 3 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 3 | 4 | 31 |
| 1200 | 1 | 0 | 0 | 1–10 | 10 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 7 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 3 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 3 | 7 | 30 |
| 1500 | 0 | 0 | 0 | 1–10 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 9 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 9 | 31 |
| 1800 | 4 | 0 | 0 | 1–10 | 10 | 7 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 4 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 7 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 4 | 27 |
| 2100 | 9 | 0 | 0 | 1–10 | 6 | 6 | 3 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 6 | 3 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 22 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MOSTAFA HELMI (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 3 | 0 | 0 | 1-10 | 1 | 8 | 5 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 22 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 9 | 5 | 0 | 2 | 4 | 0 | 1 | 1 | 0 | 3 | 1 | 28 |
| 0300 | 7 | 0 | 0 | 1-10 | 4 | 5 | 2 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 1 | 2 | 18 |
| | | | | 11-27 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 5 | 3 | 0 | 1 | 2 | 0 | 2 | 0 | 2 | 1 | 2 | 24 |
| 0600 | 4 | 0 | 0 | 1-10 | 1 | 6 | 4 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 2 | 1 | 19 |
| | | | | 11-27 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 8 | 4 | 2 | 1 | 0 | 0 | 2 | 3 | 0 | 3 | 2 | 27 |
| 0900 | 0 | 0 | 0 | 1-10 | 1 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 12 |
| | | | | 11-27 | 3 | 4 | 6 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 8 | 8 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 6 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 10 |
| | | | | 11-27 | 4 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 4 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 8 |
| | | | | 11-27 | 6 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 2 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11-27 | 7 | 7 | 3 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 10 | 4 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 31 |
| 2100 | 0 | 0 | 0 | 1-10 | 5 | 7 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| | | | | 11-27 | 1 | 2 | 3 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 9 | 9 | 2 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 31 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## GIZA — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 16 | 0 | 0 | 1—10 | 2 | 2 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 4 | 15 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 4 | 15 |
| 0300 | 18 | 0 | 0 | 1—10 | 2 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 2 | 13 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 2 | 13 |
| 0600 | 6 | 0 | 0 | 1—10 | 1 | 4 | 7 | 0 | 0 | 1 | 2 | 1 | 0 | 1 | 2 | 6 | 25 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 4 | 7 | 0 | 0 | 1 | 2 | 1 | 0 | 1 | 2 | 6 | 25 |
| 0900 | 1 | 0 | 0 | 1—10 | 4 | 6 | 9 | 2 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 5 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 6 | 9 | 2 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 5 | 30 |
| 1200 | 0 | 0 | 0 | 1—10 | 6 | 9 | 6 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 5 | 31 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 9 | 6 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 5 | 31 |
| 1500 | 1 | 0 | 0 | 1—10 | 7 | 7 | 5 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 7 | 30 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 7 | 5 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 7 | 30 |
| 1800 | 4 | 0 | 0 | 1—10 | 4 | 8 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 27 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 8 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 27 |
| 2100 | 5 | 0 | 0 | 1—10 | 0 | 9 | 7 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 2 | 4 | 26 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 9 | 7 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 2 | 4 | 26 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MINYA (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 3 | 0 | 0 | 1-10 | 12 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 10 | 26 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 10 | 28 |
| 0300 | 4 | 0 | 0 | 1-10 | 6 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 17 | 26 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 17 | 27 |
| 0600 | 1 | 0 | 0 | 1-10 | 18 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 4 | 26 |
| | | | | 11-27 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 19 | 2 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 5 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 13 |
| | | | | 11-27 | 16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 23 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 3 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 4 | 14 |
| | | | | 11-27 | 12 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 5 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 23 |
| | | | | 11-27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 31 |
| 1800 | 3 | 0 | 0 | 1-10 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 26 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 17 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 28 |
| 2100 | 4 | 0 | 0 | 1-10 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 23 |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 27 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ASYOUT (A)—OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 8 | 2 | 5 | 26 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 8 | 2 | 6 | 29 |
| 0300 | 2 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 18 | 0 | 5 | 29 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 18 | 0 | 5 | 29 |
| 0600 | 2 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 13 | 3 | 8 | 29 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 13 | 3 | 8 | 29 |
| 0900 | 3 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 11 | 25 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 11 | 28 |
| 1200 | 1 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 11 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 16 | 30 |
| 1500 | 1 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 18 | 29 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 19 | 30 |
| 1800 | 3 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 15 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 16 | 28 |
| 2100 | 4 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 2 | 6 | 25 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 2 | 7 | 27 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## LUXOR (A) — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 24 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 7 |
| 0300 | 27 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 4 |
| 0600 | 28 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 |
| 0900 | 14 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 11 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 12 | 17 |
| 1200 | 13 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 12 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 12 | 18 |
| 1500 | 19 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 7 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 7 | 12 |
| 1800 | 19 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 | 5 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 | 5 | 12 |
| 2100 | 17 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 | 0 | 0 | 3 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 | 0 | 0 | 3 | 14 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ASWAN — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 16 | 0 | 0 | 1-10 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 15 |
| 0300 | 18 | 0 | 0 | 1-10 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 13 |
| 0600 | 7 | 0 | 0 | 1-10 | 19 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 19 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 |
| 0900 | 4 | 0 | 0 | 1-10 | 15 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 27 |
| 1200 | 4 | 0 | 0 | 1-10 | 19 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 19 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 27 |
| 1500 | 5 | 0 | 0 | 1-10 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 24 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 26 |
| 1800 | 4 | 0 | 0 | 1-10 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 27 |
| 2100 | 9 | 0 | 0 | 1-10 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 21 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## SIWA — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 11 | 0 | 0 | 1-10 | 1 | 0 | 0 | 8 | 3 | 2 | 0 | 0 | 1 | 0 | 1 | 1 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 10 | 3 | 2 | 0 | 0 | 1 | 0 | 2 | 1 | 20 |
| 0300 | 16 | 0 | 0 | 1-10 | 1 | 0 | 0 | 4 | 4 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 4 | 5 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 15 |
| 0600 | 17 | 0 | 0 | 1-10 | 1 | 0 | 0 | 3 | 5 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 3 | 5 | 1 | 0 | 0 | 0 | 1 | 3 | 0 | 14 |
| 0900 | 0 | 0 | 0 | 1-10 | 1 | 1 | 0 | 2 | 1 | 7 | 6 | 1 | 1 | 2 | 2 | 2 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 2 | 2 | 8 | 6 | 1 | 1 | 3 | 3 | 3 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 6 | 4 | 0 | 2 | 2 | 4 | 4 | 23 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 5 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 0 | 7 | 4 | 1 | 2 | 2 | 9 | 4 | 31 |
| 1500 | 3 | 0 | 0 | 1-10 | 4 | 1 | 1 | 1 | 3 | 1 | 3 | 0 | 0 | 2 | 2 | 2 | 20 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 1 | 1 | 4 | 1 | 3 | 0 | 0 | 2 | 5 | 4 | 28 |
| 1800 | 7 | 0 | 0 | 1-10 | 4 | 0 | 1 | 4 | 1 | 2 | 2 | 0 | 1 | 0 | 3 | 4 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 1 | 4 | 2 | 2 | 2 | 0 | 1 | 0 | 3 | 5 | 24 |
| 2100 | 12 | 0 | 0 | 1-10 | 1 | 1 | 2 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 4 | 7 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 19 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## BAHARIYA — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 15 | 0 | 1 | 1-10 | 5 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 15 |
| 0300 | 27 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 4 |
| 0600 | 25 | 0 | 0 | 1-10 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 6 |
| 0900 | 4 | 0 | 0 | 1-10 | 7 | 7 | 3 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 21 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 8 | 3 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 27 |
| 1200 | 4 | 0 | 0 | 1-10 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 19 |
| | | | | 11-27 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 5 | 27 |
| 1500 | 4 | 0 | 0 | 1-10 | 11 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 27 |
| 1800 | 12 | 0 | 0 | 1-10 | 7 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 17 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 19 |
| 2100 | 14 | 0 | 0 | 1-10 | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 17 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DAKHLA—OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1—10 | 0 | 1 | 0 | 1 | 0 | 2 | 2 | 0 | 1 | 10 | 4 | 6 | 27 |
| | | | | 11—27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 0 | 1 | 0 | 2 | 2 | 0 | 1 | 10 | 4 | 7 | 30 |
| 0300 | 3 | 0 | 0 | 1—10 | 1 | 5 | 1 | 0 | 1 | 0 | 1 | 2 | 3 | 3 | 10 | 1 | 28 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 5 | 1 | 0 | 1 | 0 | 1 | 2 | 3 | 3 | 10 | 1 | 28 |
| 0600 | 0 | 0 | 0 | 1—10 | 4 | 1 | 0 | 0 | 0 | 3 | 2 | 2 | 0 | 9 | 8 | 2 | 31 |
| | | | | 11—27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 0 | 0 | 0 | 3 | 2 | 2 | 0 | 9 | 8 | 2 | 31 |
| 0900 | 0 | 0 | 0 | 1—10 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 6 | 2 | 14 |
| | | | | 11—27 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 17 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 6 | 8 | 31 |
| 1200 | 0 | 0 | 0 | 1—10 | 4 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 15 |
| | | | | 11—27 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 16 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 15 | 31 |
| 1500 | 0 | 0 | 0 | 1—10 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| | | | | 11—27 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 22 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 18 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 31 |
| 1800 | 2 | 0 | 0 | 1—10 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 10 | 26 |
| | | | | 11—27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 11 | 29 |
| 2100 | 5 | 0 | 0 | 1—10 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 7 | 8 | 24 |
| | | | | 11—27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 7 | 8 | 26 |

TABLE A 6.— NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## HURGHADA — OCTOBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 7 | 24 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 8 | 31 |
| 0300 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 8 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 | 12 | 31 |
| 0600 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 | 26 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 28 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 11-27 | 19 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 29 |
| | | | | 28-47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 20 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 11-27 | 23 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 28 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 23 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 31 |
| 1500 | 0 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 9 |
| | | | | 11-27 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 17 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 12 | 31 |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 6 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 17 | 25 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 8 | 20 | 31 |
| 2100 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 1 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 2 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 27 | 3 | 31 |

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A) — 0000 U.T. OCTOBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 27 | 970mb | 973mb | 966mb | 27 | 12.7 | 19.4 | 8.1 | 27 | 6.6 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 27 | 1503 | 1535 | 1462 | 27 | 11.6 | 17.4 | 6.3 | 27 | — 2.9 |
| 700 ... ... ... ... | 27 | 3094 | 3144 | 3046 | 27 | 1.3 | 5.2 | — 5.1 | 27 | — 7.9 |
| 600 ... ... ... ... | 27 | 4316 | 4381 | 4253 | 27 | — 6.1 | — 2.2 | —12.4 | 27 | —18.2 |
| 500 ... ... ... ... | 27 | 5718 | 5804 | 5620 | 27 | —15.3 | —10.1 | —22.0 | 27 | —27.1 |
| 400 ... ... ... ... | 27 | 7362 | 7482 | 7221 | 27 | —27.2 | —22.0 | —34.3 | 27 | —38.1 |
| 300 ... ... ... ... | 26 | 9369 | 9532 | 9167 | 26 | —41.6 | —36.1 | —50.0 | 24 | —51.4 |
| 200 ... ... ... ... | 24 | 12020 | 12178 | 11754 | 24 | —54.2 | —50.8 | —59.6 | — | — |
| 150 ... ... ... ... | 23 | 13843 | 13994 | 13575 | 23 | —59.2 | —54.6 | —64.6 | — | — |
| 100 ... ... ... ... | 20 | 16371 | 16733 | 16097 | 20 | —63.4 | —58.6 | —68.3 | — | — |
| 60 ... ... ... ... | 9 | 19497 | 19643 | 19266 | 9 | —61.2 | —57.2 | —65.6 | — | — |
| 40 ... ... ... ... | 5 | 22119 | 22212 | 21953 | 5 | —59.6 | —56.3 | —62.8 | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A) — 1200 U.T. OCTOBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 31 | 969mb | 972mb | 964mb | 31 | 23.9 | 28.0 | 17.6 | 31 | 6.8 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 31 | 1511 | 1544 | 1465 | 31 | 13.8 | 17.6 | 10.0 | 31 | 0.2 |
| 700 ... ... ... ... | 31 | 3113 | 3163 | 3062 | 31 | 3.0 | 8.1 | — 4.5 | 31 | — 9.5 |
| 600 ... ... ... ... | 31 | 4345 | 4415 | 4290 | 31 | — 3.8 | 0.3 | — 8.9 | 30 | —18.0 |
| 500 ... ... ... ... | 31 | 5759 | 5846 | 5701 | 31 | —12.4 | — 8.7 | —17.0 | 30 | —27.2 |
| 400 ... ... ... ... | 31 | 7423 | 7524 | 7350 | 31 | —24.2 | —21.0 | —28.0 | 27 | —38.2 |
| 300 ... ... ... ... | 31 | 9452 | 9554 | 9343 | 31 | —38.7 | —30.6 | —45.5 | 21 | —51.8 |
| 200 ... ... ... ... | 30 | 12137 | 12269 | 11940 | 30 | —53.1 | —48.7 | —60.3 | — | — |
| 150 ... ... ... ... | 26 | 13929 | 14099 | 13182 | 26 | —58.3 | —53.6 | —65.5 | — | — |
| 100 ... ... ... ... | 20 | 16464 | 16647 | 16306 | 20 | —62.3 | —59.8 | —66.0 | — | — |
| 60 ... ... ... ... | 9 | 19581 | 19693 | 19471 | 9 | —61.1 | —59.0 | —62.7 | — | — |
| 40 ... ... ... ... | 6 | 22106 | 22210 | 22034 | 6 | —58.1 | —49.0 | —65.0 | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 0000 U.T. — OCTOBER 1959.

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 27 | 1011mb | 1016mb | 1005mb | 27 | 18.1 | 21.3 | 13.5 | 27 | 13.2 |
| 1000 ... ... ... ... | 27 | 134 | 180 | 84 | 27 | 17.6 | 21.2 | 13.4 | 26 | 12.5 |
| 850 ... ... ... ... | 27 | 1506 | 1540 | 1444 | 27 | 10.7 | 16.9 | 6.4 | 23 | 2.2 |
| 700 ... ... ... ... | 27 | 3104 | 3160 | 3068 | 27 | 3.0 | 6.1 | — 2.3 | 15 | — 7.4 |
| 600 ... ... ... ... | 27 | 4336 | 4400 | 4228 | 27 | — 4.0 | 2.8 | —10.4 | 8 | —16.1 |
| 500 ... ... ... ... | 27 | 5752 | 5824 | 5615 | 27 | —13.2 | — 8.5 | —18.0 | 3 | —24.2 |
| 400 ... ... ... ... | 27 | 7414 | 7508 | 7251 | 27 | —25.3 | —21.5 | —31.1 | — | — |
| 300 ... ... ... ... | 24 | 9425 | 9587 | 9223 | 24 | —43.1 | —38.9 | —46.8 | — | — |
| 200 ... ... ... ... | 15 | 12082 | 12248 | 11843 | 15 | —56.5 | —52.4 | —61.4 | — | — |
| 150 ... ... ... ... | 8 | 13912 | 14133 | 13789 | 8 | —62.0 | —54.6 | —70.3 | — | — |
| 100 ... ... ... ... | 4 | 16392 | 16473 | 16296 | 4 | —69.1 | —61.4 | —80.8 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 1200 U.T. — OCTOBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1010mb | 1015mb | 1005mb | 29 | 23.7 | 26.8 | 18.6 | 29 | 14.8 |
| 1000 ... ... ... ... | 29 | 137 | 171 | 86 | 29 | 22.5 | 26.6 | 18.2 | 29 | 14.0 |
| 850 ... ... ... ... | 29 | 1523 | 1561 | 1471 | 29 | 12.7 | 20.9 | 7.2 | 27 | 2.8 |
| 700 ... ... ... ... | 29 | 3131 | 3193 | 3046 | 28 | 4.3 | 8.7 | — 1.6 | 15 | — 7.3 |
| 600 ... ... ... ... | 29 | 4366 | 4436 | 4243 | 29 | — 7.0 | 1.0 | —12.0 | 10 | —15.7 |
| 500 ... ... ... ... | 29 | 5785 | 5838 | 5617 | 29 | —12.0 | — 8.0 | —20.2 | 4 | —23.3 |
| 400 ... ... ... ... | 29 | 7453 | 7554 | 7283 | 28 | —24.8 | —20.3 | —32.0 | 4 | —36.7 |
| 300 ... ... ... ... | 22 | 9485 | 9574 | 9266 | 22 | —41.0 | —35.6 | —49.7 | — | — |
| 200 ... ... ... ... | 16 | 12159 | 12326 | 11973 | 16 | —57.5 | —48.2 | —59.5 | — | — |
| 150 ... ... ... ... | 6 | 13960 | 14091 | 13773 | 6 | —61.6 | —58.8 | —64.7 | — | — |
| 100 ... ... ... ... | 4 | 16418 | 16548 | 16318 | 4 | —65.5 | —59.1 | —71.0 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A)—0000 U.T. — OCTOBER 1959.

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1009mb | 1012mb | 1005mb | 29 | 17.9 | 22.3 | 14.4 | 29 | 12.9 |
| 1000 ... ... ... ... | 29 | 152 | 172 | 113 | 29 | 17.9 | 22.9 | 13.8 | 29 | 12.5 |
| 850 ... ... ... ... | 29 | 1529 | 1566 | 1487 | 29 | 11.9 | 18.6 | 4.8 | 25 | 1.2 |
| 700 ... ... ... ... | 29 | 3135 | 3191 | 3008 | 29 | 5.2 | 8.9 | — 0.4 | 11 | — 2.1 |
| 600 ... ... ... ... | 29 | 4375 | 4436 | 7225 | 29 | — 1.5 | 2.1 | — 9.7 | 3 | —18.4 |
| 500 ... ... ... ... | 29 | 5803 | 5879 | 5660 | 29 | —11.6 | — 4.0 | —20.5 | — | — |
| 400 ... ... ... ... | 29 | 7476 | 7623 | 7302 | 29 | —24.2 | —19.8 | —27.5 | 3 | —34.8 |
| 300 ... ... ... ... | 29 | 9510 | 9692 | 9329 | 29 | —38.7 | —34.0 | —44.0 | — | — |
| 200 ... ... ... ... | 26 | 12212 | 12405 | 12026 | 26 | —54.0 | —47.6 | —57.4 | — | — |
| 150 ... ... ... ... | 20 | 14038 | 14208 | 13844 | 20 | —63.0 | —57.3 | —66.0 | — | — |
| 100 ... ... ... ... | 5 | 16469 | 16488 | 16442 | 5 | —69.5 | —65.2 | —71.7 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A)—1200 U.T. — OCTOBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1008mb | 1011mb | 1004mb | 29 | 27.1 | 31.4 | 22.6 | 29 | 12.4 |
| 1000 ... ... ... ... | 29 | 141 | 166 | 105 | 29 | 26.3 | 30.8 | 21.8 | 29 | 12.2 |
| 850 ... ... ... ... | 29 | 1546 | 1565 | 1502 | 29 | 13.0 | 19.6 | 7.4 | 28 | 4.0 |
| 700 ... ... ... ... | 29 | 3150 | 3202 | 3086 | 29 | 5.7 | 9.3 | 0.3 | 10 | — 9.6 |
| 600 ... ... ... ... | 29 | 4394 | 4451 | 4308 | 29 | — 1.7 | 2.4 | — 8.9 | 4 | —12.2 |
| 500 ... ... ... ... | 29 | 5821 | 5891 | 5743 | 29 | —10.9 | — 6.7 | —16.4 | — | — |
| 400 ... ... ... ... | 29 | 7489 | 7572 | 7355 | 29 | —23.1 | —14.6 | —27.0 | — | — |
| 300 ... ... ... ... | 28 | 9549 | 9674 | 9406 | 28 | —37.9 | —33.0 | —42.8 | — | — |
| 200 ... ... ... ... | 25 | 12243 | 12402 | 12088 | 25 | —51.7 | —48.8 | —56.6 | — | — |
| 150 ... ... ... ... | 15 | 14052 | 14208 | 13893 | 15 | —61.5 | —56.0 | —67.2 | — | — |
| 100 ... ... ... ... | 5 | 16544 | 16641 | 16418 | 5 | —68.6 | —63.5 | —71.7 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 0000 U.T. — OCTOBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 24 | 1000mb | 1004mb | 996mb | 24 | 21.4 | 27.2 | 17.0 | 24 | 8.1 |
| 1000 ... ... ... ... | 12 | 118 | 142 | 106 | 12 | 21.5 | 26.5 | 17.0 | 12 | 7.5 |
| 850 ... ... ... ... | 24 | 1508 | 1533 | 1479 | 24 | 18.3 | 24.3 | 11.8 | 20 | 0.4 |
| 700 ... ... ... ... | 24 | 3142 | 3184 | 3084 | 24 | 8.2 | 11.4 | 4.7 | 12 | — 4.1 |
| 600 ... ... ... ... | 24 | 4396 | 4443 | 4320 | 24 | 0.4 | 4.3 | — 3.3 | 7 | — 9.0 |
| 500 ... ... ... ... | 24 | 5835 | 5884 | 5738 | 24 | — 7.8 | — 3.0 | —14.0 | 4 | —13.8 |
| 400 ... ... ... ... | 24 | 7534 | 7602 | 7394 | 24 | —19.1 | —14.0 | —24.2 | — | — |
| 300 ... ... ... ... | 24 | 9607 | 9726 | 9406 | 24 | —35.2 | —28.4 | —43.3 | — | — |
| 200 ... ... ... ... | 23 | 12329 | 12500 | 12049 | 23 | —55.8 | —50.7 | —58.4 | — | — |
| 150 ... ... ... ... | 14 | 14095 | 14185 | 13845 | 14 | —67.5 | —57.5 | —72.6 | — | — |
| 100 ... ... ... ... | 4 | 16446 | 16534 | 16376 | 4 | —77·5 | —75.4 | —83.3 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 1200 U.T. — OCTOBER 1959.

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 27 | 1002mb | 1004mb | 996mb | 27 | 33.5 | 39.2 | 28.4 | 27 | 7.8 |
| 1000 ... ... ... ... | 8 | 117 | 132 | 106 | 8 | 31.2 | 34.2 | 28.1 | 8 | 7.3 |
| 850 ... ... ... ... | 27 | 1529 | 1553 | 1507 | 27 | 21.7 | 26.4 | 15.6 | 14 | 0.4 |
| 700 ... ... ... ... | 27 | 3181 | 3222 | 3143 | 27 | 11.7 | 15.8 | 9.5 | 13 | — 3.[illegible] |
| 600 ... ... ... ... | 27 | 4450 | 4484 | 4406 | 27 | 3.9 | 8.8 | — 2.4 | 6 | — 8.6 |
| 500 ... ... ... ... | 27 | 5906 | 5962 | 5835 | 27 | — 5.6 | — 2.0 | — 9.7 | 2 | —13.1 |
| 400 ... ... ... ... | 27 | 7621 | 7712 | 7537 | 27 | —16.4 | —11.3 | —22.3 | 2 | —30.5 |
| 300 ... ... ... ... | 27 | 9713 | 9849 | 9588 | 27 | —33.5 | —30.0 | —39.0 | — | — |
| 200 ... ... ... ... | 26 | 12427 | 12531 | 12291 | 26 | —54.4 | —51.6 | —58.5 | — | — |
| 150 ... ... ... ... | 23 | 14218 | 14335 | 14099 | 23 | —66.4 | —59.6 | —73.2 | — | — |
| 100 ... ... ... ... | 18 | 16625 | 16723 | 16545 | 18 | —77.0 | —72.0 | —84 0 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 0000 U.T. — OCTOBER 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) | 3291 (27) | 684 (27) | 9.9 (26) | 3945 | — | — | 2490 | — | — | 13828 (19) | 156 (19) | —61.2 (19) | 16330 | — | — | 10780 | — | — | 4292 | 600 | 241 | 45 |
| Marsa Matruh (A) | 3617 (27) | 653 (27) | — 8.8 (6) | 4190 | 613 | — | 2900 | 718 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Cairo (A) | 4108 (29) | 622 (29) | —13.2 (4) | 4670 | 580 | — | 2840 | 720 | — | 13126 (7) | 188 (7) | —59.7 (7) | 16488 | 100 | —71.0 | 10300 | 260 | —47.6 | 13500 | 150 | 240 | 143 |
| Aswan | 4457 (24) | 600 (24) | — 8.1 (9) | 5170 | 546 | — | 3810 | 642 | —4.8 | 14130 (3) | 147 (3) | —70.4 (3) | 14900 | 129 | —75.4 | 13520 | 161 | —66.5 | 12800 | 184 | 220 | 104 |

N = Total number of observations.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE ; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 1200 U.T. — OCTOBER 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A)... ... ... ... ... ... ... ... | 3671 (31) | 654 (31) | —13.4 (31) | 4505 | — | — | 2935 | — | — | 13988 (14) | 151 (14) | —60.7 (14) | 15465 | — | — | 11800 | — | — | 14260 | 143 | 241 | 200 |
| Mersa Matruh (A)... ... ... ... ... ... ... ... | 3856 (29) | 643 (29) | —11.0 (14) | 4560 | 590 | — | 2800 | 730 | — 7.9 | 11186 (3) | 229 (3) | —57·6 (3) | 11900 | 216 | —57.5 | 10340 | 257 | —56.4 | 10800 | — | 270 | 90 |
| Cairo (A)... ... ... ... ... ... ... ... | 4137 (29) | 619 (29) | — 7.0 (3) | 4780 | 574 | — | 3100 | 697 | —11.7 | 13432 (6) | 175 (6) | —61.2 (6) | 15420 | 123 | —69.4 | 10140 | 270 | —48.8 | 15700 | — | 240 | 135 |
| Aswan ... ... ... ... ... ... ... ... ... ... | 4991 (27) | 561 (27) | — 7.8 (9) | 5940 | 500 | — | 4170 | 620 | — 8.4 | — | — | — | — | — | — | — | — | — | 11100 | 241 | 240 | 80 |

N = Total number of observations.

TABLE B 3—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

**ALEPPO (A) — 0000 U.T. — OCTOBER 1959.**

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 253–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 2 | 12 | 0 | — | 0 | — | 1 | 10 | 1 | 20 | 0 | — | 0 | — | 0 | — | 1 | 14 | 4 | 6 | 1 | 8 | 3 | 8 | 14 | 27 | 5 |
| 1000... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850... ... | 0 | — | 1 | 6 | 0 | — | 0 | — | 1 | 20 | 0 | — | 2 | 14 | 3 | 12 | 2 | 12 | 1 | 12 | 2 | 20 | 3 | 10 | 0 | 15 | 12 |
| 700... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 30 | 1 | 54 | 3 | 12 | 2 | 22 | 2 | 10 | 0 | — | 0 | 10 | 21 |
| 600... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 44 | 1 | 8 | 1 | 44 | 2 | 24 | 1 | 24 | 1 | 12 | 0 | 7 | 26 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 24 | 1 | 24 | 0 | — | 0 | 2 | 24 |
| 400... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 300... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 200... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 150... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

**ALEPPO (A) — 1200 U.T. — OCTOBER 1959.**

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 4 | 8 | 0 | — | 1 | 6 | 1 | 8 | 1 | 12 | 1 | 6 | 1 | 10 | 4 | 6 | 3 | 14 | 7 | 18 | 1 | 24 | 2 | 10 | 5 | 31 | 11 |
| 1000 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 | 0 | — | 0 | — | 0 | — | 2 | 8 | 0 | — | 2 | 6 | 2 | 6 | 3 | 14 | 4 | 14 | 7 | 12 | 4 | 8 | 2 | 10 | 3 | 29 | 10 |
| 700 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 20 | 3 | 14 | 8 | 20 | 4 | 12 | 3 | 14 | 3 | 10 | 0 | 26 | 17 |
| 600 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 36 | 4 | 26 | 7 | 30 | 6 | 28 | 4 | 20 | 1 | 12 | 0 | 24 | 27 |
| 500 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 0 | 4 | 34 | 7 | 30 | 5 | 36 | 5 | 24 | 0 | — | 0 | 21 | 32 |
| 400 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 0 | 3 | 40 | 7 | 50 | 7 | 38 | 2 | 48 | 0 | — | 0 | 19 | 44 |
| 300 | 1 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 0 | 1 | 58 | 6 | 80 | 5 | 56 | 2 | 58 | 0 | — | 0 | 15 | 64 |
| 200 | 0 | — | 1 | 24 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 0 | 0 | — | 5 | 98 | 6 | 76 | 1 | 114 | 0 | — | 0 | 13 | 83 |
| 150 | 1 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 78 | 5 | 66 | 1 | 60 | 0 | — | 0 | 10 | 64 |
| 100 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 44 | 1 | 54 | 0 | — | 0 | — | 0 | 4 | 47 |
| 60 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### MERSA MATRUH (A) — 1200 U.T. — OCTOBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 9 | 11 | 3 | 13 | 0 | — | 1 | 7 | 0 | — | 1 | 10 | 1 | 11 | 0 | — | 0 | — | 1 | 17 | 3 | 18 | 10 | 13 | 0 | 29 | 13 |
| 1000 ... ... | 9 | 12 | 4 | 8 | 0 | — | 0 | — | 1 | 8 | 0 | — | 0 | — | 1 | 19 | 0 | — | 0 | — | 2 | 14 | 6 | 10 | 1 | 24 | 11 |
| 850 ... ... | 3 | 18 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 7 | 1 | 16 | 3 | 12 | 10 | 14 | 4 | 10 | 1 | 24 | 13 |
| 700 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 12 | 16 | 10 | 19 | 2 | 23 | 0 | 24 | 18 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 32 | 15 | 20 | 4 | 23 | 1 | 25 | 0 | 23 | 21 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 30 | 11 | 28 | 2 | 26 | 2 | 29 | 0 | 22 | 29 |
| 400 ... ... | 1 | 51 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 34 | 11 | 35 | 1 | 33 | 1 | 21 | 0 | 21 | 35 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 55 | 6 | 42 | 0 | — | 2 | 29 | 0 | 14 | 46 |
| 200 .. ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 75 | 2 | 50 | 1 | 46 | 1 | 33 | 0 | 7 | 58 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 41 | 1 | 34 | 0 | — | 0 | 2 | 37 |
| 100 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 30 | 1 | 27 | 0 | — | 0 | 2 | 28 |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

*N.B.*—Upper wind observations are confined to 1200 U.T. only due to some technical defects in the operation of the radiotheodolite.

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### CAIRO (A) — 0000 U.T. — OCTOBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | | | |
| Surface ... | 1 | 4 | 2 | 3 | 1 | 5 | 6 | 2 | 8 | 6 | 1 | 10 | 1 | 7 | 0 | — | 0 | — | 1 | 2 | 0 | — | 1 | 3 | 7 | 29 | 3 |
| 1000 ... ... | 4 | 7 | 7 | 7 | 7 | 9 | 5 | 7 | 2 | 11 | 0 | — | 0 | — | 2 | 15 | 0 | — | 0 | — | 1 | 7 | 1 | 8 | 0 | 29 | 8 |
| 850 ... ... | 5 | 13 | 3 | 13 | 2 | 16 | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 9 | 2 | 14 | 5 | 12 | 4 | 11 | 6 | 9 | 0 | 29 | 12 |
| 700 ... ... | 1 | 33 | 1 | 9 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 34 | 5 | 18 | 10 | 15 | 8 | 16 | 1 | 9 | 0 | 29 | 18 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 30 | 6 | 23 | 15 | 22 | 4 | 17 | 0 | — | 0 | 29 | 23 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 17 | 31 | 11 | 30 | 1 | 30 | 0 | — | 0 | 29 | 31 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 28 | 15 | 45 | 11 | 38 | 1 | 40 | 0 | — | 0 | 29 | 41 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 44 | 17 | 59 | 8 | 53 | 1 | 36 | 0 | — | 0 | 27 | 56 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 15 | 88 | 2 | 79 | 1 | 33 | 0 | — | 0 | 18 | 86 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 86 | 4 | 83 | 0 | — | 0 | — | 0 | 7 | 84 |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 80 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

## CAIRO (A) — 1200 U.T. — OCTOBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000—360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 6 | 9 | 6 | 10 | 3 | 9 | 1 | 16 | 0 | — | 0 | — | 0 | — | 2 | 13 | 0 | — | 4 | 7 | 3 | 11 | 5 | 8 | 0 | 30 | 9 |
| 1000 ... ... | 7 | 10 | 5 | 11 | 4 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 11 | 0 | — | 4 | 8 | 2 | 11 | 5 | 9 | 0 | 29 | 10 |
| 850 ... .. | 1 | 14 | 9 | 9 | 2 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 28 | 4 | 15 | 1 | 17 | 3 | 5 | 7 | 15 | 0 | 28 | 12 |
| 700 ... ... | 1 | 11 | 1 | 24 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 24 | 9 | 19 | 8 | 16 | 4 | 15 | 2 | 14 | 0 | 28 | 18 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 39 | 12 | 24 | 10 | 21 | 1 | 17 | 2 | 18 | 0 | 29 | 24 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 72 | 15 | 31 | 10 | 30 | 1 | 24 | 1 | 23 | 0 | 29 | 33 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 64 | 14 | 46 | 10 | 39 | 2 | 48 | 0 | — | 0 | 28 | 45 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 70 | 15 | 54 | 7 | 61 | 3 | 36 | 0 | — | 0 | 26 | 55 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 12 | 77 | 4 | 71 | 1 | 23 | 1 | 26 | 0 | 18 | 70 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 64 | 0 | — | 1 | 27 | 0 | — | 0 | 7 | 59 |
| 100 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 51 | 0 | — | 1 | 54 | 0 | — | 0 | 3 | 52 |
| 50 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 .. ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### ASWAN — 0000 U.T. — OCTOBER 1959.

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 14 | 7 | 1 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 4 | 8 | 24 | 5 |
| 1000... ... | 9 | 8 | 1 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 12 | 7 |
| 850... ... | 5 | 6 | 2 | 8 | 0 | — | 2 | 6 | 0 | — | 1 | 4 | 0 | — | 1 | 4 | 2 | 6 | 5 | 9 | 3 | 12 | 3 | 5 | 0 | 24 | 7 |
| 700... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 8 | 14 | 12 | 16 | 2 | 10 | 1 | 5 | 1 | 6 | 0 | 24 | 14 |
| 600... ... | 0 | — | 1 | 14 | 0 | — | 0 | — | 0 | — | 1 | 14 | 0 | — | 4 | 18 | 11 | 18 | 6 | 14 | 0 | — | 1 | 20 | 0 | 24 | 17 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 17 | 0 | — | 3 | 16 | 11 | 24 | 5 | 25 | 2 | 20 | 1 | 17 | 1 | 24 | 22 |
| 400... ... | 0 | — | 0 | — | 1 | 5 | 0 | — | 0 | — | 0 | — | 1 | 9 | 2 | 20 | 11 | 32 | 5 | 25 | 3 | 24 | 1 | 22 | 0 | 24 | 26 |
| 300... ... | 0 | — | 1 | 23 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 18 | 12 | 34 | 8 | 37 | 1 | 31 | 0 | — | 0 | 24 | 33 |
| 200... ... | 0 | — | 2 | 36 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 27 | 11 | 43 | 6 | 45 | 1 | 38 | 0 | — | 0 | 22 | 41 |
| 150... ... | 0 | — | 1 | 35 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 38 | 3 | 61 | 0 | — | 0 | — | 0 | — | 0 | 5 | 51 |
| 100... ... | 0 | — | 0 | — | — | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 52 | 0 | — | 0 | — | 0 | — | 0 | 2 | 52 |
| 50... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### ASWAN-1200 U.T. — OCTOBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | | | |
| Surface ... | 17 | 6 | 4 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 4 | 0 | — | 5 | 6 | 0 | 27 | 6 |
| 1000... ... | 4 | 8 | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 6 | 0 | 8 | 6 |
| 850... ... | 2 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 6 | 2 | 6 | 5 | 8 | 2 | 9 | 8 | 8 | 3 | 12 | 4 | 5 | 0 | 27 | 8 |
| 700... ... | 0 | — | 0 | — | 1 | 7 | 0 | — | 0 | — | 0 | — | 0 | — | 11 | 17 | 13 | 16 | 1 | 9 | 0 | — | 1 | 8 | 0 | 27 | 16 |
| 600... ... | 0 | — | 2 | 5 | 0 | — | 0 | — | 1 | 13 | 0 | — | 0 | — | 7 | 17 | 11 | 16 | 3 | 13 | 1 | 20 | 2 | 10 | 0 | 27 | 15 |
| 500... ... | 1 | 10 | 0 | — | 1 | 3 | 0 | — | 1 | 21 | 1 | 8 | 1 | 12 | 2 | 28 | 10 | 25 | 6 | 17 | 3 | 18 | 1 | 28 | 0 | 27 | 20 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 17 | 1 | 28 | 12 | 29 | 9 | 26 | 4 | 20 | 0 | — | 0 | 27 | 26 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 58 | 13 | 31 | 9 | 34 | 3 | 23 | 0 | — | 0 | 27 | 33 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 28 | 12 | 38 | 8 | 44 | 1 | 29 | 0 | — | 0 | 25 | 38 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 40 | 9 | 37 | 3 | 36 | 1 | 48 | 0 | — | 0 | 19 | 38 |
| 100... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 26 | 2 | 18 | 1 | 26 | 0 | — | 0 | — | 0 | 4 | 22 |
| 80... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

## OCTOBER 1959

This month was generally changeable and dry as compared with normal values of temperature and rainfall during October respectively. The mean air temperature at 2 metres above the ground, the mean relative humidity and the total rainfall were slightly below normal (-1.6°C, -5% and -2.4 mms. respectively). This month was characterized by a light heat wave (absolute maximum temperature 33 3°C on the 16th) of short duration (15th & 16th) and a prolonged cold wave (absolute minimum temperature 11.4°C on the 19th & 26th). The 25th was the coldest day during this month, it was characterized by remarkable low values of total radiation, sunshine duration, evaporation and evapotranspiration.

The extreme maximum and minimum soil temperatures in different fields were slightly less than the corresponding values of last October through the shallow layers (0.3–20 cms.) and practically negligible through deeper layers below 20 cms. In the dry field in particular, the absolute maximum and minimum temperatures were less by (0.5°C–1°C) & (2°C–3°C) respectively.

For the month as a whole, the mean wind speed for the day at 2 metres above the ground (1.7m/sec.) was lower than the corresponding value (1.8 m/sec.) of last October. The total duration of bright sunshine was (86% of the possible) slightly greater and the mean Piche evaporation at 120 cms. (1.3 mms) was less than the corresponding values of October 1958.

## TABLE C 1.—AIR TEMPERATURE AT 2 METRES ABOVE GROUND; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms. ABOVE GROUND ON DIFFERENT FIELDS

## GIZA — OCTOBER 1959

| Date | Air temperature (°C) | | | | | Duration in hours of air temperature above the following values | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Mean of the day | Night time mean | Day time mean | —5 °C | 0 °C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40°C | 45°C |
| 1 | 30.4 | 16.4 | 23.3 | 22 | 26 | 24 | 24 | 24 | 24 | 24 | 17 | 9 | 0 | 0 | 0 | 0 |
| 2 | 29.7 | 17.3 | 23.0 | 22 | 25 | 24 | 24 | 24 | 24 | 24 | 19 | 9 | 0 | 0 | 0 | 0 |
| 3 | 27.8 | 15.8 | 21.4 | 21 | 24 | 24 | 24 | 24 | 24 | 24 | 14 | 6 | 0 | 0 | 0 | 0 |
| 4 | 28.5 | 14.3 | 21.3 | 19 | 24 | 24 | 24 | 24 | 24 | 23 | 14 | 8 | 0 | 0 | 0 | 0 |
| 5 | 28.3 | 15.2 | 21.2 | 20 | 23 | 24 | 24 | 24 | 24 | 24 | 15 | 6 | 0 | 0 | 0 | 0 |
| 6 | 28.1 | 14.8 | 21.1 | 20 | 24 | 24 | 24 | 24 | 24 | 24 | 15 | 6 | 0 | 0 | 0 | 0 |
| 7 | 28.5 | 17.2 | 22.1 | 20 | 24 | 24 | 24 | 24 | 24 | 24 | 14 | 7 | 0 | 0 | 0 | 0 |
| 8 | 29.7 | 15.6 | 22.0 | 20 | 25 | 24 | 24 | 24 | 24 | 24 | 16 | 8 | 0 | 0 | 0 | 0 |
| 9 | 30.5 | 16.0 | 22.3 | 21 | 25 | 24 | 24 | 24 | 24 | 24 | 16 | 9 | 0 | 0 | 0 | 0 |
| 10 | 29.9 | 16.3 | 22.5 | 21 | 25 | 24 | 24 | 24 | 24 | 24 | 17 | 9 | 0 | 0 | 0 | 0 |
| 11 | 30.5 | 15.4 | 22.1 | 20 | 25 | 24 | 24 | 24 | 24 | 24 | 15 | 9 | 0 | 0 | 0 | 0 |
| 12 | 27.8 | 14.2 | 20.6 | 19 | 23 | 24 | 24 | 24 | 24 | 23 | 14 | 5 | 0 | 0 | 0 | 0 |
| 13 | 29.6 | 13.5 | 21.0 | 19 | 24 | 24 | 24 | 24 | 24 | 22 | 16 | 8 | 0 | 0 | 0 | 0 |
| 14 | 30.0 | 13.6 | 22.2 | 20 | 25 | 24 | 24 | 24 | 24 | 23 | 16 | 11 | 0 | 0 | 0 | 0 |
| 15 | 31.9 | 15.0 | 23.0 | 22 | 27 | 24 | 24 | 24 | 24 | 24 | 17 | 11 | 4 | 0 | 0 | 0 |
| 16 | 33.3 | 14.2 | 23.3 | 22 | 28 | 24 | 24 | 24 | 24 | 23 | 18 | 10 | 0 | 0 | 0 | 0 |
| 17 | 27.7 | 16.7 | 20.6 | 22 | 23 | 24 | 24 | 24 | 24 | 24 | 17 | 4 | 0 | 0 | 0 | 0 |
| 18 | 26.0 | 13.2 | 19.3 | 18 | 22 | 24 | 24 | 24 | 24 | 22 | 12 | 2 | 0 | 0 | 0 | 0 |
| 19 | 25.8 | 11.4 | 18.4 | 17 | 21 | 24 | 24 | 24 | 24 | 18 | 10 | 0 | 0 | 0 | 0 | 0 |
| 20 | 26.2 | 11.5 | 18.7 | 17 | 22 | 24 | 24 | 24 | 24 | 18 | 12 | 2 | 0 | 0 | 0 | 0 |
| 21 | 26.5 | 13.8 | 19.4 | 18 | 22 | 24 | 24 | 24 | 24 | 19 | 11 | 3 | 0 | 0 | 0 | 0 |
| 22 | 27.4 | 15.0 | 19.8 | 18 | 23 | 24 | 24 | 24 | 24 | 24 | 11 | 5 | 0 | 0 | 0 | 0 |
| 23 | 26.0 | 14.2 | 18.2 | 18 | 22 | 24 | 24 | 24 | 24 | 17 | 9 | 0 | 0 | 0 | 0 | 0 |
| 24 | 28.2 | 11.7 | 18.5 | 17 | 22 | 24 | 24 | 24 | 24 | 18 | 12 | 5 | 0 | 0 | 0 | 0 |
| 25 | 20.9 | 12.7 | 16.1 | 18 | 18 | 24 | 24 | 24 | 24 | 16 | 1 | 0 | 0 | 0 | 0 | 0 |
| 26 | 23.5 | 11.4 | 16.4 | 14 | 19 | 24 | 24 | 24 | 24 | 16 | 7 | 0 | 0 | 0 | 0 | 0 |
| 27 | 25.7 | 12.6 | 17.6 | 16 | 20 | 24 | 24 | 24 | 24 | 17 | 8 | 0 | 0 | 0 | 0 | 0 |
| 28 | 25.7 | 11.7 | 18.4 | 16 | 21 | 24 | 24 | 24 | 24 | 17 | 11 | 0 | 0 | 0 | 0 | 0 |
| 29 | 26.0 | 13.7 | 19.1 | 18 | 22 | 24 | 24 | 24 | 24 | 21 | 11 | 2 | 0 | 0 | 0 | 0 |
| 30 | 27.7 | 12.0 | 18.9 | 17 | 23 | 24 | 24 | 24 | 24 | 17 | 12 | 5 | 0 | 0 | 0 | 0 |
| 31 | 31.2 | 14.0 | 21.8 | 18 | 25 | 24 | 24 | 24 | 24 | 23 | 16 | 8 | 0 | 0 | 0 | 0 |
| TOTAL | — | — | — | — | — | 744 | 744 | 744 | 744 | 665 | 413 | 167 | 4 | 0 | 0 | 0 |
| Mean | 28.0 | 14.3 | 20.4 | 19.0 | 23.3 | 24 | 24 | 24 | 24 | 21.4 | 13.3 | 5.3 | 0.1 | 0 | 0 | 0 |

Highest maximum at 2 metres 33.3 °C on 16 th. Highest minimum at 2 metres 17.3 °C on 2 nd.
Lowest „ „ „ 20.9 °C on 25 th. Lowest „ „ . 11.4 °C on 19th. & 20th.
Absolute minimum temperature at 5 cms. above dry soil 7.2 °C on 24 th
„ „ „ „ „ wet soil 8.0 °C on 24 th.
„ „ „ „ „ grass 6.0 °C on 24 th.

## TABLE C 2.—WIND SPEED, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, (SOLAR + SKY) RADIATION, SUNSHINE DURATION, EVAPORATION AND RAINFALL

## GIZA — OCTOBER 1959.

| Date | Wind speed metres per second | | | Solar + sky radiation gm. cal./cm² | Duration of bright sunshine in hours | | | Relative humidity hours of duration | | Relative humidity % | | Vapour pressure in millimetres | | Evaporation in millimetres | | Amount of rainfall in millimetres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean of the day | Night time mean | Day time mean | | Total actual | Total possible | Percentage % | >90 % | >80 % | Mean of the day | at 1200 U.T. | Mean of the Day | at 1200 U.T. | Piche | Pan class (A) | |
| 1 | 1.8 | 1.1 | 2.7 | 439 | 10.4 | 11.9 | 87 | 5 | 8 | 66 | 43 | 14.1 | 13.3 | 10.8 | 6.78 | 0 |
| 2 | 2.0 | 1.6 | 2.6 | 426 | 10.3 | 11.9 | 87 | 5 | 8 | 70 | 45 | 14.3 | 13.8 | 9.5 | 6.87 | 0 |
| 3 | 1.7 | 1.2 | 2.5 | 442 | 10.2 | 11.8 | 86 | 4 | 8 | 63 | 36 | 11.2 | 9.9 | 10.2 | 7.23 | 0 |
| 4 | 1.6 | 0.8 | 2.6 | 435 | 10.5 | 11.8 | 89 | 4 | 8 | 62 | 41 | 11.7 | 11.3 | 10.2 | 5.64 | 0 |
| 5 | 1.8 | 1.1 | 2.7 | 442 | 9.9 | 11.8 | 84 | 6 | 8 | 64 | 44 | 12.0 | 11.7 | 10.2 | 5.61 | 0 |
| 6 | 1.8 | 1.1 | 2.7 | 412 | 10.0 | 11.8 | 85 | 6 | 9 | 70 | 48 | 13.1 | 12.7 | 9.9 | 6.95 | 0 |
| 7 | 2.0 | 1.3 | 2.9 | 445 | 10.6 | 11.7 | 91 | 4 | 10 | 69 | 44 | 12.9 | 12.0 | 10.9 | 7.53 | 0 |
| 8 | 2.5 | 1.7 | 3.7 | 428 | 10.3 | 11.7 | 88 | 2 | 8 | 68 | 41 | 12.8 | 12.1 | 12.2 | 7.02 | 0 |
| 9 | 2.3 | 1.7 | 3.2 | 428 | 10.7 | 11.7 | 91 | 1 | 8 | 69 | 41 | 13.3 | 12.6 | 12.1 | 7.80 | 0 |
| 10 | 2.3 | 2.1 | 2.5 | 421 | 10.6 | 11.6 | 91 | 3 | 8 | 68 | 46 | 13.7 | 13.0 | 8.8 | 5.92 | 0 |
| 11 | 1.4 | 0.5 | 2.6 | 425 | 10.4 | 11.6 | 90 | 5 | 7 | 64 | 45 | 13.6 | 13.7 | 9.7 | 5.50 | 0 |
| 12 | 1.1 | 0.7 | 1.6 | 383 | 9.7 | 11.6 | 84 | 4 | 7 | 68 | 45 | 12.2 | 11.6 | 7.3 | 4.44 | 0 |
| 13 | 1.1 | 0.7 | 1.6 | 397 | 10.2 | 11.6 | 88 | 4 | 7 | 68 | 41 | 12.6 | 11.9 | 8.2 | 6.19 | 0 |
| 14 | 1.2 | 0.5 | 2.2 | 377 | 9.9 | 11.5 | 86 | 5 | 8 | 66 | 39 | 13.0 | 11.5 | 11.4 | 6.82 | 0 |
| 15 | 1.5 | 1.1 | 2.2 | 394 | 10.6 | 11.5 | 92 | 0 | 4 | 60 | 27 | 11.3 | 9.1 | 12.7 | 7.79 | 0 |
| 16 | 1.7 | 1.2 | 2.3 | 416 | 10.6 | 11.5 | 92 | 1 | 5 | 60 | 26 | 11.8 | 9.5 | 12.8 | 8.27 | 0 |
| 17 | 2.3 | 1.8 | 2.9 | 407 | 9.6 | 11.4 | 84 | 0 | 7 | 69 | 45 | 11.7 | 10.7 | 9.5 | 7.18 | 0 |
| 18 | 1.5 | 0.6 | 2.7 | 348 | 9.3 | 11.4 | 82 | 0 | 5 | 70 | 49 | 11.8 | 11.7 | 8.2 | 6.56 | tr |
| 19 | 1.4 | 0.9 | 2.3 | 389 | 10.5 | 11.4 | 92 | 4 | 7 | 64 | 41 | 10.0 | 9.3 | 8.8 | 6.58 | 0 |
| 20 | 1.6 | 1.1 | 2.2 | 380 | 9.8 | 11.4 | 86 | 2 | 7 | 65 | 43 | 10.6 | 10.5 | 9.1 | 5.91 | 0 |
| 21 | 2.0 | 1.3 | 2.9 | 382 | 10.3 | 11.3 | 91 | 0 | 9 | 71 | 49 | 11.7 | 12.0 | 8.6 | 6.09 | 0 |
| 22 | 1.9 | 1.2 | 2.8 | 392 | 10.2 | 11.3 | 90 | 0 | 10 | 74 | 40 | 11.6 | 10.1 | 8.3 | 6.48 | 0 |
| 23 | 0.9 | 0.5 | 1.5 | 394 | 9.5 | 11.3 | 84 | 2 | 8 | 74 | 33 | 9.7 | 7.6 | 6.8 | 5.04 | 0 |
| 24 | 0.9 | 0.3 | 1.8 | 379 | 8.4 | 11.2 | 75 | 4 | 7 | 73 | 36 | 10.5 | 9.4 | 7.8 | 4.40 | 0 |
| 25 | 1.2 | 0.6 | 2.1 | 142 | 1.2 | 11.2 | 11 | 0 | 4 | 72 | 59 | 9.9 | 9.8 | 3.4 | 3.72 | 0.6 |
| 26 | 3.0 | 1.9 | 4.5 | 416 | 10.5 | 11.2 | 94 | 0 | 5 | 60 | 36 | 7.8 | 7.3 | 11.8 | 6.29 | 0 |
| 27 | 2.0 | 1.7 | 2.4 | 405 | 10.2 | 11.1 | 92 | 0 | 3 | 69 | 43 | 9.8 | 9.7 | 6.8 | 4.12 | 0 |
| 28 | 0.7 | 0.1 | 1.6 | 335 | 9.9 | 11.1 | 89 | 7 | 8 | 72 | 49 | 11.5 | 11.1 | 6.2 | 4.13 | 0 |
| 29 | 1.7 | 0.9 | 3.0 | 359 | 10.1 | 11.1 | 91 | 6 | 8 | 74 | 47 | 11.5 | 11.3 | 8.8 | 6.33 | 0 |
| 30 | 2.1 | 1.3 | 3.2 | 376 | 10.1 | 11.1 | 91 | 6 | 9 | 77 | 38 | 11.5 | 10.0 | 10.0 | 6.63 | 0 |
| 31 | 1.9 | 1.3 | 2.8 | 341 | 9.4 | 11.1 | 85 | 3 | 9 | 72 | 24 | 11.7 | 8.0 | 11.6 | 6.01 | 0 |
| Total ... | — | — | — | 12155 | 303.9 | 355.6 | 2648 | 93 | 227 | — | — | — | — | 292.6 | 191.81 | 0.6 |
| Mean... | 1.7 | 1.1 | 2.5 | 392 | 9.8 | 11.5 | 85 | 3 | 7.3 | 68 | 41.0 | 11.8 | 10.9 | 9.4 | 6.19 | 0.02 |

Maximum amount of rainfall in one day ..... ..... 0.6 mms. on 25tg.
Lowest value of relative humidity ..... ..... 22.0 % on 31th.
Highest „ „ vapour pressure ..... ..... 15.2 mms. on 16st.
Lowest „ „ „ „ ..... ..... 7.2 mms. on 26 th

## TABLE C 3.—EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

### GIZA — OCTOBER 1959

| Depth in cms. | Dry soil | | Wet soil | | Grass | |
|---|---|---|---|---|---|---|
| | Highest °C | Lowest °C | Highest °C | Lowest °C | Highest °C | Lowest °C |
| 0.3 | 49.5 | 9.9 | 30 8 | 10.4 | 29.3 | 14.1 |
| 1 | 47.0 | 10.9 | 29.8 | 10.9 | — | — |
| 2 | 43.3 | 12.4 | 28.8 | 11.5 | — | — |
| 5 | 37.2 | 15.7 | 27.4 | 12.2 | 25.0 | 15.1 |
| 10 | 33.1 | 21.2 | 26.1 | 15.0 | 24.0 | 15.7 |
| 20 | 27.7 | 20.4 | 24.9 | 17.0 | 24.0 | 17.8 |
| 50 | 30.1 | 25.8 | 24.5 | 20.0 | 25.3 | 21.6 |
| 100 | 29.9 | 27.4 | 24.1 | 21.6 | 25.3 | 23.0 |
| 200 | 28.7 | 27.9 | 23·5 | 22.8 | — | — |
| 300 | 27.1 | 26.9 | — | — | — | — |

## TABLE C 4.—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES REACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

### GIZA — OCTOBER 1959

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 10 Knots or more ... | | | | 25 Days | 30 Knots or more ... | | | 0 | Days. |
| 15 | „ | „ | ... | 5 „ | 35 | „ | „ | ... 0 | „ |
| 20 | „ | „ | ... | 0 „ | 40 | „ | „ | ... 0 | „ |
| 25 | „ | „ | ... | 0 „ | The highest gust 22 knots on 26th. | | | | |

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UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 11

## NOVEMBER, 1959

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MINISTRY OF WAR–METEOROLOGICAL DEPARTMENT
CAIRO–EGYPT

UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 11

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CAIRO–EGYPT

# CONTENTS


| | Page |
|---|---|
| General Summary of Weather Conditions ... ... ... ... ... ... ... ... | 639-641 |

**Surface Data**

| | |
|---|---|
| TABLE A 1.—Monthly Mean Values of Atmospheric Pressure, Air Temperature and Relative Humidity at Fixed Hours ... ... ... ... ... ... ... ... | 642,643 |
| " A 2.—Maximum and Minimum Air Temperatures (°C)... ... ... ... ... ... | 644,645 |
| " A 3.—Rainfall, Snow, Bright Sunshine, Cloudiness and Evaporation ... ... | 646,647 |
| " A 4.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... | 648 |
| " A 5.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... ... ... ... | 649-651 |
| " A 6.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours... ... ... | 652-683 |

**Upper Air Data**

| | |
|---|---|
| TABLE B 1.—Upper Air Climatological Data ... ... ... ... ... ... ... ... | 684-687 |
| " B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air ... ... ... ... ... ... | 688,689 |
| " B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. | 690-696 |

**Agro-Meteorological Data**

| | |
|---|---|
| Review of Agro-Meteorological Station at Giza ... ... ... ... ... | 697 |
| TABLE C 1.—Air Temperature at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5cms. above Ground on Different Fields ... ... ... | 698 |
| " C 2.—Wind Speed, Relative Humidity and Vapour Pressure at 2 Metres above the Ground, (Solar + Sky) Radiation, Sunshine Duration, Evaporation and Rainfall ... ... ... ... ... ... ... ... ... ... | 699 |
| " C 3.—Extreme Soil Temperatures at Different Depths in Different Fields ... | 700 |
| " C 4.—Number of Days of Surface Wind Speed at 10 Metres Reaching Specified Limits of Velocity for at Least 5 Minutes ... ... ... ... ... ... | 700 |


*Note.*—Refer to volume 2 number 1 for the list of stations appearing in the report and for explanatory notes on the tables.

# GENERAL SUMMARY OF WEATHER CONDITIONS

## NOVEMBER 1959

**Northern Region: Partly warm the 1st week, rather cold with light rain and thunder otherwise. Scattered fall of snow and hail high ground areas.**

**Southern Region: Partly hot the 1st week but almost mild otherwise in the north, generally hot in the south.**

### THE MAIN FEATURES

—A prevailing heat wave within the 1st week.

—Subnormal rainfall in general.

—Three consecutive eastward cyclonic transits through east Mediterranean.

—Scattered thunderstorms. Occasional snowfall and hail over mountainous parts of the Coastal and the Western inland districts in the Northern Region.

### GENERAL DESCRIPTION OF WEATHER

This month started with a prevailing heat wave which was almost light in the Northern Region and the northern parts of the Southern Region, and was remarkably hot over Middle and Upper Egypt where it reached its climax round the period (2nd - 3rd). This prevailing heat wave broke up on the 4th and was followed by cold and rainy weather in the Northern Region, rather cold weather in lower and Middle Egypt and remarkble warm weather in Upper Egypt.

The monthly district station ground barometric pressure was rather normal and the practical deviation round normal did not exceed 0.7 mb.

The monthly district relative humidity was to a moderate extent below normal (5 - 15%) in the Northern Region districts excluding the Coastal and the Desert districts where it was slightly above normal (2%). In the Southern Region it was to a moderate extent (4 - 9%) below normal with the exception of Upper Egypt district where it was rather normal (+ 0.3%).

The monthly district maximum temperature oscillated slightly round its normal over most districts and its departure ranged between 0.2 °C and 0.8 °C. The monthly district minimum temperature was slightly below normal (—0.4°C to — 1.0 °C) in the Southern Region's districts and the Coastal Northern Region's district, slightly above normal over the Desert and the North Eastern districts, but to a moderate extent (+2.2 °C) above normal in El Gezeira district.

The monthly district rainfall was remarkably below normal over most districts of both Regions with the exception of the Desert district of the Northern Region where it exceeded its normal by 4.5 mms. Rainfall was deficient in the Northern Region, at the Cosatal district (—32.9 mms.), the Western Inland district (—15.0 mms.), El Gezeira district (—9.8 mms.) and the North Eastern district (—18.1 mms.). In the Southern Region it was deficient at the Mediterranean district (—23.1 mms.).

The mean daily relative humidity in the Northern Region was 64% at Jableh, 57% at Aleppo, 51% at Damascus 64% at Homs, 50% at Deir Ezzor and 45% at Qamishlie. In the Southern Region it was 62% at Mersa Matruh, 67% at Alexandria, 64% at Port Said, 61% at Tanta, 58% at both Cairo and A'maza, 67% at Minya, 48% at Asyout, 44% at Luxor, 54% at Siwa and 61% at Suez.

### PRESSURE DISTRIBUTION

The barometric pressure over East Mediterranean in general experienced three consecutive falls during the first half of this month as a result of the Mediterranean depressions' transits. The first and the second Mediterranean depressions originated at Central Mediterranean on the 1st and 5th respectively. Both depressions were reflected aloft up

to the 500 mb level, proceeded eastwards in a rather northward track through Greece and Asia Minor and traversed East Mediterranean round the 4th and 9th respectively. Shallow closed coastal disturbances developed at their southern troughs over Cyrenica and skirted the northern Egyptian coast in their course. Round the 4th and 9th, the Sudan trough of low pressure showed a northward elongation through the northern part of the Red Sea, Sinai and the southeastern Mediterranean corner where the barometric pressure fall below normal attained its minimum values.

The third Mediterranean depression developed over West Mediterranean on the 11th at the southern trough of the deep northern Atlantic travelling depression. Both of the primary and secondary depressions were reflected appreciably aloft to the 500 mb. level. The secondary west Mediterranean depression proceeded eastwards towards East Mediterranean also in a rather northern track through Italy, Greece and Asia Minor. During its transit through East Mediterranean round the 14th and 15th, a shallow coastal secondary originating over Cyrenica in its southern trough, traversed northern Egyptian coast while the Sudan trough of low pressure showed its third northern elongation through Upper Egypt towards southeast Mediterranean.

During the second half of the month, the Siberian Anticyclone operated over East and Central Mediterranean where the Barometric pressure generally oscillated above its normal to a rather moderate amount (2 - 6 mb.). Anyhow, the Sudan trough of low pressure showed a minor northern elongation towards Sinai and Palestine round the 27th and 28th, and the barometric pressure over East Mediterranean experienced a slight fall, though it was still above its normal.

## SURFACE WIND

### NORTHERN REGION

The prevailing winds were generally light/moderate, (NEly - SEly) over the Coastal district and the northern part of the western Inland district, (Nly - Wly) over the Eastern and Northeastern Districts, (SWly - NWly) over the Desert district and central part of the Western Inland district but was mostly Ely over the southern part of the Western Inland district.

Gales were reported at Allepo on the 29th.

### SOUTHERN REGION

The prevailing winds were generally light/moderate, N/NE over lower Egypt and Western Desert districts, but N/NW over Upper Egypt and Red Sea districts.

Light/moderate S/SEly winds blew over Lower Egypt in advance of the East Mediterranean travelling depressions while moderate/fresh NWly winds predominated in the rear.

Fresh/strong winds were reported in the Red Sea and the Mediterranean districts on the few scattered days not exceeding 9 days this month. Calms were frequent most of the month in the extreme south during the early morning and night intervals.

No gales were reported during the month in the Region.

## TEMPERATURE

### NORTHERN REGION

A short and remarkable heat wave prevailed all over the Region during the beginning of the 1st week. It broke down on the 4th when an active cold front overran the Region and maximum temperature dropped rapidly between 10 °C in the western sector to 5 °C in the interior sector, and reached its first minimum round the 6th. Up till the 28th maximum temperature oscillated round its normal, slightly over the Coastal district and the northern parts of the Western Inland district and to a moderate extent over the southern parts of the Western Inland district, though its oscillations were mostly below normal elsewhere. On the 28th another active cold front traversed the Region rapidly, starting an intense cold period which continued up till the 30th and during which the lowest maximum temperature was round the 29th all over the Region.

The absolute maximum temperature for the Region was 36.0 °C at El Himmeh (Western Inland district) on the 3rd.

Minimum temperature was generally above normal most of the first half of the month and below normal most of the second half which was characterized by freezing night temperatures mainly in the Western Inland, Desert and El Gezeira districts.

Variability of minimum temperatures for the month as a whole was remarkable. The absolute minimum temperature for the Region was – 5.1 °C reported at Markadeh (El Gezeira district) on the 26th.

**SOUTHERN REGION**

The month started with a pronounced heat wave which broke down abruptly round the 3rd in the northern parts and round the 4th in the extreme southern parts. Up till the end of the month, maximum temperatures oscillated slightly round normal in the northern districts, to a moderate extent below normal in the Middle Egypt district and generally above normal in the extreme southern parts. Two minor rather hot and short spells were marked over Middle Egypt round (9th and 14th); while three extra heat waves prevailed over extreme Upper Egypt.

The absolute maximum temperature for the Region was 41.8 °C at Aswan on the 2nd.

Minimum temperature oscillated slightly below its normal for the majority of this month, though it was above normal during the beginning of the month over Lower Egypt.

The absolute minimum temperature for the Region was 3.8 °C at Bahariya on the 30th.

## PRECIPITATION

**NORTHERN REGION**

Precipitation was heavy all over the Region during the four rainy periods (4th - 6th), (9th - 19th), (21st - 24th) and (28th - 29th). The high grounds of the Coastal district accepted the maximum monthly fall which amounted to 137.2 mms. at Mashta Hilow. The maximum rainfall in 24 hours was 73.5 mms. at Ain - Aido on the 5th.

**SOUTHERN REGION**

The monthly rainfall was subnormal and light rain fell occassionally on few days over the northern parts of the Region. The maximum monthly rainfall was 6.9 mms. at El Arish, while the maximum rainfall during 24 hours was 5.0 mms also at El Arish on the 28th.

## MISCELLANEOUS WEATHER PHENOMENA

**NORTHERN REGION**

*Hail* fell over Tell Tamer on the 11th & 19th.

*Thunderstorms* occurred at Jableh on the 5th, 11th, 12th, 15th, 22nd & 28th; Palmyra on the 12th; and at Raqqa on the 10th.

*Fog patches* developed at Aleppo on the 7th and at Meselmiyie on the 7th, 8th & 9th.

*Mist patches* developed at Damascus on the 17th & 26th; Aleppo on the 7th, 8th, 12th & 13th; Hama on the 9th, 10th, 16th, 17th & 30th; Kharabo on the 17th; Palmyra on the 6th & 11th; and at Raqqa on the 5th & 16th.

*Sand or duststorms* blew over Aleppo on the 10th & 11th; and over Raqqa on the 9th, 10th, 11th, 15th, 16th & 29th.

*Local rising sand or dust* was reported at Aleppo on the 11th, 16th & 22nd; Hama on the 10th & 11th; Homs on the 10th & 11th; Salamiyie on the 11th; Meselmiyie on the 10th; Palmyra on the 29th; Deir Ezzor on the 5th. (9th - 12th), 19th, 25th & 29th; Raqqa on the (2nd-5th), (9th - 11th), 15th, 16th, 19th, 22nd & 29th; and at Qamishlie on the 5th & (11th - 14th).

**SOUTHERN REGION**

*Early morning fog patches* developed at Alexandria on the 1st & 10th; Mostafa Helmi on the 1st, (8th - 11th) & 24th; and at Siwa on the 28th & 29th.

*Mist patches* developed at Port Said on the 1st; Abu Sueir on the 1st, 11th, 22nd, 24th & 25th; Cairo on the 6th, 7th, 9th & 11th; Mostafa Helmi on the 1st, (7th - 11th), 18th, 20th, 22nd, 24th, 26th & 27th; Minya on the 14th, 20th, 24th & 28th; and at Asyout on the 29th.

*Sand or duststorms* blew over Sidi Barrani on the 3rd and over Mostafa Helmi on the 25th.

*Local rising sand or dust* was reported at Sallum on the 14th; Mersa Matruh on the 3rd; Port Said on the 3rd & 15th; El Arish on the 3rd & 4th; Abu Sueir on the 14th, 15th & 29th; Almaza on the 15th; and at Mostafa Helmi on the 3rd, 15th, 25th & 29th.

M. F. Taha
*Director General*
*Meteorological Department*

*Cairo : June 1961*

## TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

## NOVEMBER 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh ... (A) ... | 12 | 1015.0 | — | 1015.4 | — | 1014.4 | — | 1015.4 | — | 14.5 | —0.7 | 15.8 | —0.1 | 20.9 | —0.6 | 16.0 | —0.7 | 70 | +3 | 64 | — 3 | 53 | — 3 | 68 | + 2 |
| | Bouka ... ... ... | 50 | — | — | — | — | — | — | — | — | 13.6 | — | 15.7 | — | 20.6 | — | 15.2 | — | 71 | — | 68 | — | 56 | — | 72 | — |
| | Tartous ... ... ... | 15 | — | — | — | — | — | — | — | — | 14.9 | — | 17.8 | — | 21.0 | — | 16.2 | — | 60 | — | 58 | — | 51 | — | 62 | — |
| WESTERN INLAND | Damascus (A) ... | 724 | 934.7 | +0.4 | 935.4 | +0.4 | 933.8 | +0.5 | 934.4 | +0.4 | 10.3 | —0.1 | 11.5 | —0.2 | 19.0 | +0.5 | 13.6 | +0.1 | 60 | —8 | 60 | — 6 | 37 | — 9 | 48 | —11 |
| | Aleppo ... (A) ... | 391 | 971.5 | —0.1 | 972.3 | +0.6 | 970.7 | +0.1 | 971.6 | +0.2 | 8.9 | +0.1 | 10.2 | +0.4 | 18.3 | +0.4 | 11.8 | —0.2 | 68 | +6 | 66 | + 6 | 36 | —15 | 57 | —10 |
| | Hama ... ... (A) ... | 313 | 980.1 | — | 980.9 | — | 979.1 | — | 980.0 | — | 9.3 | — | 10.5 | — | 18.9 | — | 13.0 | — | 74 | — | 69 | — | 43 | — | 63 | — |
| | Homs ... ... ... ... | 487 | — | — | — | — | — | — | — | — | 8.2 | —0.6 | 11.8 | +0.8 | 18.6 | +0.7 | 11.4 | —0.8 | 76 | +2 | 68 | — 5 | 45 | — 9 | 68 | + 3 |
| | Kharabo ... ... ... | 620 | — | — | — | — | — | — | — | — | 5.2 | — | 9.9 | — | 20.1 | — | 10.1 | — | 84 | — | 69 | — | 36 | — | 70 | — |
| | Salamiyie ... ... ... | 500 | — | — | — | — | — | — | — | — | 6.6 | — | 10.5 | — | 18.6 | — | 10.6 | — | 85 | — | 77 | — | 53 | — | 77 | — |
| | Meselmiyie ... ... ... | 425 | — | — | — | — | — | — | — | — | 7.5 | — | 11.1 | — | 18.0 | — | 11.5 | — | 69 | — | 63 | — | 40 | — | 63 | — |
| | Fiq ... ... ... ... | 337 | 977.1 | — | 978.2 | — | 976.5 | — | 977.4 | — | 13.3 | — | 13.6 | — | 21.0 | — | 16.5 | — | 56 | — | 54 | — | 39 | — | 55 | — |
| | Tell Shihab ... ... | 250 | — | — | — | — | — | — | — | — | 8.6 | — | 13.3 | — | 21.6 | — | 12.5 | — | 72 | — | 67 | — | 48 | — | 69 | — |
| DESERT | Palmyra ... (A) ... | 404 | 971.7 | — | 972.5 | — | 970.7 | — | 971.5 | — | 10.8 | — | 10.0 | —0.1 | 18.9 | +0.1 | 13.6 | +0.2 | 69 | — | 72 | + 1 | 40 | + 4 | 53 | + 2 |
| EL GEZEIRA | Deir Ezzor (A) ... | 204 | 994.5 | — | 995.5 | — | 993.8 | — | 994.5 | — | 9.9 | 0.0 | 11.4 | +0.7 | 20.3 | +0.7 | 13.1 | —0.2 | 60 | —8 | 59 | —11 | 32 | —15 | 49 | —13 |
| | Raqqa ... ... ... | 251 | 987.5 | — | 988.5 | — | 986.3 | — | 987.2 | — | 8.6 | — | 9.2 | — | 19.6 | — | 12.5 | — | 65 | — | 64 | — | 33 | — | 54 | — |
| NORTH EASTERN | Qamishlie (A) ... | 466 | 964.8 | —0.5 | 965.6 | —0.3 | 963.8 | —0.7 | 964.7 | —0.5 | 11.5 | +0.4 | 12.4 | +0.5 | 18.7 | +0.4 | 12.9 | +0.6 | 52 | —11 | 51 | —11 | 32 | —15 | 46 | —15 |
| | Tell Tamer... ... ... | 335 | — | — | — | — | — | — | — | — | 8.4 | — | 9.9 | — | 19.3 | — | 12.0 | — | 64 | — | 63 | — | 30 | — | 53 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sollum... ... ... ... | 04 | 1017.1 | — | 1017.5 | +0.1 | 1016.6 | +0.2 | 1017.4 | +0.5 | 17.0 | — | 16.8 | —1.0 | 23.0 | —0.2 | 19.0 | —0.5 | 66 | — | 67 | + 1 | 44 | — 4 | 63 | 0 |
| | Sidi Barrani ... ... | 21 | 1014.7 | +0.4 | 1015.2 | +0.3 | 1014.3 | +0.4 | 1015.0 | +0.5 | 15.4 | —0.6 | 15.0 | —1.2 | 22.1 | —0.3 | 18.3 | —0.6 | 73 | +5 | 75 | + 5 | 54 | + 3 | 68 | + 3 |
| | Mersa Matruh (A) ... | 31 | 1013.9 | +0.5 | 1014.2 | +0.4 | 1013.2 | +0.1 | 1014.3 | +0.6 | 15.8 | +0.6 | 16.7 | —0.4 | 22.8 | +0.5 | 17.5 | —0.6 | 69 | —5 | 66 | — 5 | 47 | — 8 | 68 | — 3 |
| | Dabaa ... ... ... | 17 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Alexandria (A) ... | —3 | 1018.0 | +0.9 | 1018.5 | +0.8 | 1017.4 | +0.7 | 1018.3 | +0.7 | 16.7 | +0.1 | 18.2 | —0.3 | 23.9 | +0.7 | 18.5 | +0.2 | 77 | —6 | 64 | — 2 | 49 | — 5 | 67 | — 9 |
| | Dekheila (A) ... | 01 | 1017.8 | — | 1018.4 | +0.7 | 1017.2 | +0.5 | 1018.1 | — | 17.5 | — | 18.1 | —1.4 | 23.1 | +0.6 | 19.2 | — | 71 | — | 67 | — 5 | 51 | —12 | 63 | — |
| | Damietta ... ... ... | 03 | 1017.6 | — | 1018.0 | +1.9 | 1017.0 | +1.4 | 1017.9 | +1.3 | 17.2 | — | 19.3 | 0.0 | 22.0 | —0.7 | 19.0 | —0.5 | 72 | — | 70 | — 8 | 57 | — 5 | 73 | — 5 |
| | Port Said (A) ... | 01 | 1016.9 | +0.6 | 1017.6 | +0.7 | 1016.5 | +0.8 | 1017.3 | +0.7 | 19.5 | 0.0 | 20.3 | +0.1 | 22.4 | —0.4 | 20.3 | —0.3 | 69 | —9 | 67 | — 7 | 58 | — 4 | 64 | — 9 |
| | El Arish ... ... ... | 10 | 1015.1 | +0.4 | 1015.8 | +0.5 | 1014.5 | +0.4 | 1015.3 | +0.5 | 15.9 | +0.3 | 17.0 | —1.6 | 23.0 | —0.4 | 19.6 | —0.4 | 76 | —4 | 72 | — 1 | 57 | — 5 | 65 | — 9 |
| | Ghazza ... ... ... | 10 | 1015.1 | — | 1016.0 | — | 1014.6 | — | 1015.4 | — | 16.0 | — | 17.5 | — | 22.0 | — | 19.9 | — | 73 | — | 69 | — | 69 | — | 68 | — |

TABLE A 1.—(*continued*)—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

## NOVEMBER 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Southern Region** (*contd*). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... | 06 | 1016.7 | — | 1017.5 | +0.3 | 1016.2 | +0.2 | 1017.0 | +0.2 | 13 8 | — | 16.9 | —0.2 | 24.1 | —0.2 | 17.1 | —1.0 | 91 | — | 82 | — 1 | 50 | — 3 | 76 | — 1 |
| | Mansoura ... ... ... | 08 | 1016.7 | — | 1017.1 | +0.4 | 1015.6 | +0.2 | 1016.8 | +0.4 | 15 2 | — | 16.6 | —1.4 | 24.6 | —0.4 | 18.1 | —0.6 | 79 | — | 80 | + 1 | 45 | — 5 | 70 | — 6 |
| | Tanta ... ... ... ... | 14 | 1015.5 | — | 1016.0 | —0.1 | 1014.7 | +0.3 | 1016.0 | +0.5 | 14.0 | — | 17.1 | —0.4 | 24.8 | +0.1 | 16.9 | —0.8 | 76 | — | 71 | —13 | 43 | — 8 | 70 | —11 |
| | Shebin el Kom ... | 12 | 1015.6 | — | 1016.3 | 0.0 | 1014.7 | 0.0 | 1015.7 | 0.0 | 14.1 | — | 14.1 | —2.3 | 24.1 | —1.0 | 17.2 | —0.9 | 86 | — | 90 | +11 | 42 | — 4 | 74 | + 2 |
| | Zagazig ... ... ... | 12 | 1016.2 | — | 1016.9 | +0.8 | 1015.2 | +0.8 | 1016.6 | +1.2 | 15.3 | — | 16.6 | —1.3 | 24.9 | —0.1 | 18.2 | —0.1 | 84 | — | 76 | — 5 | 47 | — 6 | 74 | — 6 |
| | Zaher (A) ... | 30 | 1012.3 | — | 1013.0 | — | 1011.6 | — | 1012.7 | — | 14.7 | — | 16.9 | — | 24.6 | — | 18.6 | — | 73 | — | 70 | — | 37 | — | 59 | — |
| | Wadi el Natrun ... | — 1 | 1018.2 | — | 1019.0 | +0.9 | 1017.0 | +0.6 | 1018.3 | +1.0 | 14.5 | — | 16.1 | —0.7 | 25.3 | +0.3 | 18.5 | —1.3 | 75 | — | 70 | — 6 | 32 | — 9 | 58 | — 5 |
| | Abu Sueir (A) ... | 14 | 1015.5 | — | 1016.4 | — | 1014.5 | — | 1015.9 | — | 14.6 | — | 16.4 | — | 25.4 | — | 18.2 | — | 77 | — | 71 | — | 34 | — | 60 | — |
| Cairo Area | Cairo (A) ... | 95 | 1005.3 | —0.3 | 1006.6 | 0.0 | 1004.8 | —0.2 | 1006.1 | 0.0 | 15.6 | —0.5 | 17.6 | +0.4 | 24.7 | +0.7 | 18.9 | —0.2 | 73 | —3 | 67 | — 5 | 37 | — 6 | 57 | — 6 |
| | Almaza (A) ... | 79 | 1007.4 | +0.1 | 1008.1 | +0.1 | 1006.4 | +0.2 | 1007.7 | +0.3 | 15.6 | —0.9 | 16.8 | —1.0 | 24.9 | +0.1 | 19.3 | —0.6 | 70 | —6 | 69 | — 4 | 36 | — 7 | 55 | — 7 |
| | Abbasiya (H.Q.) ... | 33 | 1013.2 | — | 1014.1 | — | 1012.3 | — | 1013.4 | — | 15.6 | — | 17.8 | — | 25.3 | — | 19.3 | — | 76 | — | 68 | — | 38 | — | 59 | — |
| | Mostafa Helmi (A) ... | 163 | 998.0 | — | 998.8 | — | 997.1 | — | 998.3 | — | 14.4 | — | 15.4 | — | 23.6 | — | 18.1 | — | 76 | — | 75 | — | 35 | — | 58 | — |
| | Giza ... ... ... ... | 21 | 1014.9 | — | 1015.6 | 0.0 | 1013.7 | 0.0 | 1014.8 | —0.1 | 13.9 | — | 15.8 | —0.6 | 24.5 | —0.8 | 18.8 | +0.2 | 85 | — | 76 | — 9 | 35 | —10 | 57 | —16 |
| | Helwan ... ... ... | 112 | — | — | 1004.8 | +0.8 | 1002.8 | +0.6 | 1004.0 | +0.6 | — | — | 17.4 | —0.1 | 24.5 | —0.2 | 19.6 | —0.6 | — | — | 66 | — 4 | 34 | — 4 | 52 | — 3 |
| Upper Egypt | Fayoum ... ... ... | 30 | 1014.2 | — | 1015.2 | +1.1 | 1012.9 | +1.1 | 1014.1 | +1.2 | 15.7 | — | 16.0 | —1.5 | 24.5 | —1.3 | 18.6 | —0.4 | 75 | — | 71 | — 1 | 36 | — 3 | 57 | — 7 |
| | Beni Suef ... ... ... | 28 | 1013.3 | — | 1014.3 | —0.2 | 1012.1 | —0.1 | 1013.3 | 0.0 | 13.4 | — | 14.3 | —2.6 | 26.0 | —0.4 | 18.0 | —0.4 | 84 | — | 83 | +16 | 41 | + 3 | 67 | + 3 |
| | Minya (A) ... | 39 | 1011.5 | —0.5 | 1012.7 | —0.2 | 1010.8 | —0.3 | 1011.4 | —0.4 | 13.4 | —0.2 | 15.3 | —0.5 | 26.0 | 0.0 | 17.2 | —0.1 | 81 | +6 | 82 | + 9 | 38 | + 2 | 66 | + 4 |
| | Asyout (A) ... | 71 | 1007.1 | —0.9 | 1008.5 | —0.6 | 1006.2 | —0.6 | 1007.2 | —0.7 | 15.4 | —0.3 | 15.5 | —0.8 | 26.3 | +0.4 | 19.8 | +0.2 | 55 | —2 | 58 | — 1 | 30 | 0 | 47 | 0 |
| | Nag Hammadi ... ... | 69 | 1006.9 | — | 1008.7 | +0.5 | 1006.3 | +0.6 | 1007.0 | +0.5 | 16.1 | — | 17.8 | —0.9 | 27.7 | +0.1 | 18.8 | —0.6 | — | — | 68 | + 3 | 43 | + 1 | 68 | + 1 |
| | Qena ... ... ... ... | 73 | 1006.1 | — | 1007.8 | +0.2 | 1005.1 | +0.5 | 1006.2 | +0.5 | 15.3 | — | 16.9 | —1.6 | 27.7 | —0.5 | 20.1 | —0.6 | 64 | — | 63 | + 1 | 38 | — 1 | 55 | — 1 |
| | Luxor (A) ... | 95 | 1003.1 | —0.9 | 1004.7 | —0.8 | 1002.2 | —0.8 | 1003.1 | —0.9 | 14.4 | —1.2 | 17.9 | —1.2 | 28.9 | +0.9 | 20.6 | +0.1 | 57 | +1 | 49 | — 3 | 27 | — 5 | 41 | — 5 |
| | Aswan ... ... ... | 104 | 1000.8 | — | 1002.6 | +0.2 | 999.5 | +0.1 | 1000.6 | +0.2 | 18.2 | — | 20.5 | 0.0 | 31.6 | +1.5 | 23.3 | —1.7 | 48 | — | 47 | — 2 | 22 | — 5 | 31 | — 3 |
| Western Desert | Siwa ... ... ... ... | —15 | 1019.5 | +0.1 | 1020.4 | —0.3 | 1018.9 | —0.5 | 1019.4 | —0.2 | 13.2 | —0.5 | 13.3 | —0.2 | 25.0 | +0.2 | 17.9 | —0.2 | 64 | +3 | 68 | + 1 | 33 | 0 | 49 | + 1 |
| | Bahariya ... ... ... | 128 | 1001.7 | — | 1002.6 | —0.6 | 1000.3 | —1.1 | 1001.4 | —1.0 | 14.5 | — | 14.1 | —2.8 | 25.6 | +0.4 | 18.9 | 0.0 | 64 | — | 74 | + 5 | 30 | —12 | 45 | —11 |
| | Farafra ... ... ... | 90 | 1008.3 | — | 1009.4 | +0.7 | 1007.5 | +0.5 | 1008.1 | +0.6 | 13.6 | — | 13.1 | —1.8 | 24.8 | —0.8 | 18.1 | —0.2 | 40 | — | 46 | —16 | 19 | —18 | 26 | —25 |
| | Dakhla ... ... ... | 110 | 1001.9 | — | 1002.9 | —0.9 | 1001.0 | —0.6 | 1001.8 | —1.0 | 13.3 | — | 15.1 | —0.7 | 27.3 | +1.6 | 19.3 | —0.9 | 47 | — | 51 | — 8 | 22 | —14 | 34 | —10 |
| | Kharga ... ... ... | 72 | 1006.5 | — | 1007.7 | —0.6 | 1005.8 | —0.3 | 1006.6 | —0.2 | 14.7 | — | 17.1 | —1.4 | 28.5 | +0.6 | 19.3 | —2.2 | 51 | — | 52 | — 6 | 25 | —11 | 39 | — 6 |
| Red Sea | Suez ... ... ... ... | 65 | 1015.9 | — | 1016.7 | +0.5 | 1015.0 | —0.5 | 1016.0 | +0.9 | 16.8 | — | 17.0 | —1.6 | 24.3 | —1.0 | 19.6 | —0.9 | 74 | — | 75 | + 2 | 47 | 0 | 62 | — 2 |
| | Tor ... ... ... ... | 03 | 1014.1 | — | 1015.6 | +0.4 | 1013.6 | 0.0 | 1014.4 | +0.3 | 16.2 | — | 18.2 | —1.5 | 24.1 | —1.3 | 20.4 | —1.3 | 59 | — | 52 | — 7 | 59 | — 2 | 59 | — 3 |
| | Hurghada ... ... ... | 01 | 1014.6 | +0.1 | 1016.0 | +0.7 | 1013.9 | +0.7 | 1014.8 | +0.6 | 16.9 | +0.1 | 20.1 | —0.7 | 25.4 | +0.7 | 20.6 | —0.8 | 57 | +1 | 49 | — 3 | 45 | —14 | 58 | — 2 |
| | Quseir ... ... ... | 08 | 1013.0 | — | 1014.2 | +0.1 | 1012.6 | —0.3 | 1013.3 | 0.0 | 20.0 | — | 23.0 | —0.8 | 25.1 | —1.2 | 21.4 | —2.2 | 51 | — | 41 | —12 | 52 | —10 | 58 | — 6 |

# TABLE A 2.—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

## NOVEMBER 1959

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A+B)/2 | Maximum temperature: Highest | Date | Lowest | Date | Number of days with maximum temperature: >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Date | Lowest | Date | Number of days with minimum temperature: <10° | <5° | <0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | |
| COASTAL | Jableh (A) | 21.6 | — 0.8 | 12.8 | — 0.6 | 17.2 | 31.2 | 3 | 14·0 | 29 | 4 | 1 | 0 | 0 | 0 | 18.9 | 4 | 4.2 | 25 | 7 | 1 | 0 | 0 |
| | Bouka | 21.4 | — | 12.4 | — | 16.9 | 32.0 | 3 | 11.0 | 29 | 3 | 1 | 0 | 0 | 0 | 19.0 | 4·5 | 5.0 | 25 | 7 | 0 | 0 | 0 |
| | Tartous | 22.5 | — | 13.3 | — | 17.9 | 33.0 | 3·4 | 13.0 | 29 | 5 | 3 | 0 | 0 | 0 | 21.0 | 3 | 6.0 | 25 | 6 | 0 | 0 | 0 |
| WESTERN INLAND | Damascus (A) | 20.1 | + 0.8 | 7.0 | — 0.7 | 13.6 | 29.6 | 1 | 10.6 | 29 | 5 | 0 | 0 | 0 | 0 | 13.6 | 2 | — 1.6 | 25 | 22 | 11 | 2 | 0 |
| | Aleppo (A) | 19.0 | + 0.6 | 5.9 | + 0.3 | 12.4 | 28·5 | 3 | 8.8 | 29 | 4 | 0 | 0 | 0 | 0 | 15.2 | 10 | — 2.2 | 26 | 23 | 9 | 6 | 0 |
| | Hama (A) | 20.0 | — | 7.4 | — | 13.7 | 31.0 | 3 | 7.6 | 29 | 4 | 2 | 0 | 0 | 0 | 15.3 | 5 | — 0.5 | 25 | 19 | 9 | 1 | 0 |
| | Homs | 19.4 | + 0.6 | 6.5 | — 0.9 | 12.9 | 30.0 | 1 | 5.0 | 29 | 4 | 0 | 0 | 0 | 0 | 13.5 | 1·5 | — 2.0 | 20 | 21 | 10 | 4 | 0 |
| | Kharabo | 21.0 | — | 2.7 | — | 11.9 | 30.0 | 1 | 13.4 | 29 | 5 | 0 | 0 | 0 | 0 | 11.2 | 5 | — 4.8 | 28 | 29 | 21 | 5 | 0 |
| | Salamiyie | 19.6 | — | 4.2 | — | 11.9 | 29·5 | 1·4 | 7.5 | 29 | 4 | 0 | 0 | 0 | 0 | 11.5 | 5 | — 5.0 | 27 | 27 | 13 | 6 | 0 |
| | Messimiyie | 19.0 | — | 4.8 | — | 11.9 | 28.5 | 2·3 | 8.2 | 29 | 4 | 0 | 0 | 0 | 0 | 13·5 | 10 | — 5.0 | 25 | 25 | 12 | 7 | 0 |
| | Fiq | 22.0 | — | 11.1 | — | 16.6 | 32.0 | 2·3 | 11.7 | 29 | 7 | 4 | 0 | 0 | 0 | 18.4 | 3 | 4.1 | 25 | 14 | 2 | 0 | 0 |
| | Tell Shihab | 22.4 | — | 6.5 | — | 14.4 | 31.5 | 2·1 | 11.0 | 29 | 7 | 4 | 0 | 0 | 0 | 12.6 | 10 | — 3.0 | 28 | 21 | 10 | 4 | 0 |
| DESERT | Palmyra (A) | 19.8 | 0.0 | 8.1 | + 0.1 | 14.0 | 30.2 | 1 | 9.4 | 29 | 4 | 1 | 0 | 0 | 0 | 15.8 | 2 | 0.2 | 21 | 18 | 7 | 0 | 0 |
| EL GEZEIRA | Deir Ezzor (A) | 20.7 | — 0.2 | 8.1 | + 2.2 | 14.4 | 28.5 | 1 | 13.4 | 29 | 4 | 0 | 0 | 0 | 0 | 15.0 | 2 | — 0.5 | 28 | 19 | 7 | 1 | 0 |
| | Raqqa | 20.3 | — | 6.0 | — | 13.2 | 30.0 | 3 | 11.0 | 29 | 4 | 0 | 0 | 0 | 0 | 16.6 | 10 | — 3.2 | 26 | 24 | 10 | 5 | 0 |
| NORTH EASTERN | Qamishlie (A) | 19.2 | + 0.6 | 9.5 | + 0.6 | 14.3 | 28.9 | 1 | 13.3 | 22 | 4 | 0 | 0 | 0 | 0 | 17.6 | 3 | 3.5 | 21 | 20 | 2 | 0 | 0 |
| | Tell Tamer | 19.5 | — | 6.1 | — | 12.8 | 29.2 | 1 | 14.5 | 15·29 | 4 | 0 | 0 | 0 | 0 | 15.0 | 10 | — 3.0 | 21 | 22 | 11 | 3 | 0 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum | 23.8 | — 1.0 | 14.9 | + 1.0 | 19.4 | 34.9 | 2 | 20.4 | 24·29 | 6 | 2 | 0 | 0 | 0 | 20.0 | 1 | 12.0 | 28 | 0 | 0 | 0 | 0 |
| | Sidi Barrani | 23.0 | — 0.4 | 13.2 | — 0.5 | 18.1 | 34.2 | 2 | 19.0 | 27 | 7 | 2 | 0 | 0 | 0 | 17.1 | 1,20,25 | 9.0 | 30 | 2 | 0 | 0 | 0 |
| | Mersa Matruh (A) | 24.0 | + 0.4 | 13.5 | — 0.3 | 18.8 | 35.5 | 3 | 20.2 | 30 | 6 | 3 | 1 | 0 | 0 | 17.0 | 28 | 8.0 | 30 | 1 | 0 | 0 | 0 |
| | Dabaa | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Alexandria (A) | 24.7 | + 0.5 | 14.5 | — 0.2 | 19.6 | 36.5 | 3 | 20.7 | 29 | 10 | 3 | 1 | 0 | 0 | 18.2 | 2 | 10.5 | 30 | 0 | 0 | 0 | 0 |
| | Dekheila (A) | 24.0 | — 0.3 | 15.4 | — 0.6 | 19.7 | 37.3 | 3 | 20.2 | 29 | 5 | 3 | 1 | 0 | 0 | 19.3 | 2 | 11.3 | 30 | 0 | 0 | 0 | 0 |
| | Damietta | 22.4 | — 2.2 | 15.4 | — 0·2 | 18.9 | 31.2 | 3 | 17.8 | 30 | 3 | 1 | 0 | 0 | 0 | 20.6 | 3 | 8.8 | 30 | 1 | 0 | 0 | 0 |
| | Port Said (A) | 24.0 | + 0.2 | 18.1 | — 0.2 | 21.0 | 30.2 | 3 | 18.8 | 29 | 7 | 1 | 0 | 0 | 0 | 21.9 | 2 | 15.0 | 30 | 0 | 0 | 0 | 0 |
| | El Arish | 24.3 | — 0.9 | 13.7 | — 0.5 | 19.0 | 36.5 | 3 | 18.3 | 30 | 9 | 3 | 1 | 0 | 0 | 19.8 | 3·4 | 7.2 | 26 | 2 | 0 | 0 | 0 |
| | Ghazza | 23.4 | — 1.7 | 13.5 | — 0·1 | 18.4 | 34.8 | 3 | 17.9 | 30 | 5 | 1 | 0 | 0 | 0 | 21.5 | 3 | 5.4 | 26 | 5 | 0 | 0 | 0 |

* = More than three days

TABLE A 2.—(*continued*)—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

## NOVEMBER 1959

| District | Station | Maximum temperature | | Minimum temperature | | (A + B) /2 | Maximum temperature | | | | | | | | | Minimum temperature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean (A) | Deviation from normal | Mean (B) | Deviation from normal | | Highest | Date | Lowest | Date | Number of days with maximum temperature >25° | >30° | >35° | >40° | >45° | Highest | Date | Lowest | Date | Number of days with minimum temperature <10° | <5° | <0° | <-5° |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour | 25.4 | — 0.2 | 12.8 | — 1.2 | 19.1 | 36.7 | 3 | 19.8 | 29 | 11 | 4 | 2 | 0 | 0 | 17.2 | 2 | 7.6 | 30 | 4 | 0 | 0 | 0 |
| | Mansoura | 25.5 | — 0.4 | 13.7 | — 0.5 | 19.6 | 34.6 | 3 | 20.1 | 29 | 18 | 3 | 0 | 0 | 0 | 17.0 | 2 | 8.5 | 30 | 1 | 0 | 0 | 0 |
| | Tanta | 25.9 | + 0.1 | 12.2 | 0.0 | 19.0 | 35.6 | 3 | 21.3 | 25·29 | 14 | 3 | 2 | 0 | 0 | 17·9 | 2 | 6.7 | 30 | 6 | 0 | 0 | 0 |
| | Shebin el Kom | 24.9 | — 1.5 | 12.4 | — 0.7 | 18.6 | 33.9 | 3 | 20.6 | 30 | 9 | 2 | 0 | 0 | 0 | 16.1 | 2 | 8.2 | 30 | 3 | 0 | 0 | 0 |
| | Zagazig | 26.1 | — 0.2 | 13.2 | + 0.3 | 19.6 | 37.5 | 3 | 21.0 | 29 | 18 | 4 | 2 | 0 | 0 | 17.4 | 3 | 7.3 | 30 | 2 | 0 | 0 | 0 |
| | Zaher (A) | 25.6 | — | 12.6 | — | 19.1 | 37.4 | 2 | 20.1 | 30 | 12 | 4 | 2 | 0 | 0 | 19.7 | 3 | 6.6 | 26 | 6 | 0 | 0 | 0 |
| | Wadi el Natrun | 26.0 | — 0.4 | 11.9 | — 1.1 | 19.0 | 37.5 | 3 | 21.4 | 29 | 13 | 3 | 2 | 0 | 0 | 16.4 | 2 | 6.8 | 30 | 5 | 0 | 0 | 0 |
| | Abu Sueir (A) | 26.1 | — | 12.1 | — | 19.1 | 37.8 | 3 | 20.5 | 30 | 14 | 5 | 2 | 0 | 0 | 17.3 | 10 | 5.8 | 30 | 5 | 0 | 0 | 0 |
| Cairo Area | Cairo (A) | 25.3 | + 0.5 | 13.4 | — 0.5 | 19.4 | 36.3 | 5 | 19.5 | 30 | 12 | 3 | 2 | 0 | 0 | 21.0 | 3 | 7.0 | 30 | 4 | 0 | 0 | 0 |
| | Almaza (A) | 25.5 | — 0.1 | 13.5 | — 0.7 | 19.5 | 36.5 | 3 | 19.2 | 30 | 11 | 3 | 2 | 0 | 0 | 22.3 | 3 | 6.8 | 30 | 4 | 0 | 0 | 0 |
| | Abbasiya (H.Q) | 26·5 | — | 13.1 | — | 19.8 | 37.8 | 2 | 20.6 | 30 | 20 | 4 | 2 | 0 | 0 | 17.7 | 3 | 6.4 | 30 | 3 | 0 | 0 | 0 |
| | Mostafa Helmi (A) | 24.5 | — | 12.1 | — | 18.3 | 36.3 | 2 | 19.4 | 30 | 9 | 3 | 2 | 0 | 0 | 19.0 | 3 | 7.0 | 30 | 5 | 0 | 0 | 0 |
| | Giza | 25.7 | — 0.3 | 11.1 | — 1.0 | 18.4 | 37.8 | 2 | 20.7 | 30 | 13 | 4 | 2 | 0 | 0 | 15.2 | 1 | 4.3 | 30 | 8 | 1 | 0 | 0 |
| | Helwan | 25.1 | — 0.3 | 14.2 | — 0.7 | 18.9 | 35.8 | 3 | 19.3 | 30 | 12 | 3 | 1 | 0 | 0 | 21.2 | 3 | 7.6 | 30 | 1 | 0 | 0 | 0 |
| Upper Egypt | Fayoum | 25.1 | — 1.7 | 12.3 | — 1.0 | 18.7 | 35.0 | 3 | 18.0 | 30 | 13 | 3 | 0 | 0 | 0 | 16.2 | 11 | 6.3 | 30 | 5 | 0 | 0 | 0 |
| | Beni Suef | 26.6 | — 0.2 | 11.0 | — 0.4 | 18.8 | 38.4 | 2 | 19.7 | 30 | 19 | 5 | 3 | 0 | 0 | 17.0 | 3 | 4.4 | 30 | 7 | 2 | 0 | 0 |
| | Minya (A) | 26.3 | — 0.2 | 10.7 | — 0.8 | 18.5 | 36.0 | 2 | 19·5 | 30 | 21 | 5 | 3 | 0 | 0 | 14.0 | 3 | 5.1 | 30 | 7 | 0 | 0 | 0 |
| | Asyout (A) | 27.1 | + 0.9 | 12.6 | — 0.1 | 19.8 | 36.2 | 3 | 20.4 | 30 | 22 | 7 | 2 | 0 | 0 | 17.6 | 4 | 6.3 | 26 | 4 | 0 | 0 | 0 |
| | Nag Hammadi | 28.9 | + 0.1 | 11.5 | — 0.7 | 20.2 | 37.8 | 3 | 22.4 | 30 | 26 | 9 | 2 | 0 | 0 | 14.4 | 3 | 7.0 | 27 | 6 | 0 | 0 | 0 |
| | Qena | 29.5 | — 0.4 | 13.1 | — 0.7 | 21.3 | 36.5 | 1 | 22.4 | 30 | 29 | 11 | 3 | 0 | 0 | 16.7 | 5 | 8.2 | 27 | 2 | 0 | 0 | 0 |
| | Luxor (A) | 29.8 | + 0.7 | 10.5 | — 1.7 | 20.2 | 38.0 | 2 | 21.4 | 30 | 27 | 13 | 4 | 0 | 0 | 15.5 | 5 | 5.9 | 27 | 13 | 0 | 0 | 0 |
| | Aswan | 33.0 | + 2.2 | 15.2 | — 1.4 | 24.1 | 41.8 | 2 | 24.0 | 30 | 29 | 26 | 8 | 2 | 0 | 18.3 | 2 | 10.3 | 29 | 0 | 0 | 0 | 0 |
| Western Desert | Siwa | 25.6 | + 0.1 | 9.8 | — 0.8 | 17.7 | 35.2 | 2 | 20.8 | 29 | 17 | 3 | 1 | 0 | 0 | 15.1 | 1 | 5.5 | 27 | 15 | 0 | 0 | 0 |
| | Bahariya | 26.0 | 0.0 | 11.0 | — 0.3 | 18.5 | 36.8 | 3 | 18.8 | 30 | 16 | 4 | 2 | 0 | 0 | 16.2 | 4 | 3.8 | 30 | 11 | 1 | 0 | 0 |
| | Farafra | 25.5 | — 0.9 | 9.8 | — 0.1 | 17.7 | 36.7 | 2 | 18.3 | 30 | 15 | 6 | 2 | 0 | 0 | 15.5 | 4 | 7.0 | 7·26 | 14 | 0 | 0 | 0 |
| | Dakhla | 28.2 | + 1.5 | 9.7 | — 2.4 | 18.9 | 38.8 | 3 | 20.4 | 30 | 24 | 10 | 4 | 0 | 0 | 14.1 | 20 | 6.4 | 10 | 16 | 0 | 0 | 0 |
| | Kharga | 29.1 | + 0.7 | 11.3 | — 1.8 | 20.2 | 40.2 | 3 | 20.5 | 30 | 25 | 10 | 3 | 1 | 0 | 16.2 | 2 | 5.3 | 27 | 8 | 0 | 0 | 0 |
| Red Sea | Suez | 25.7 | — 0.8 | 13.5 | — 1·6 | 19.6 | 33·8 | 1 | 19.9 | 30 | 16 | 4 | 0 | 0 | 0 | 18·3 | 2 | 6.7 | 30 | 4 | 0 | 0 | 0 |
| | Tor | 25.6 | — 0.9 | 13.6 | — 1.0 | 19.6 | 31.5 | 2 | 21.3 | 30 | 12 | 1 | 0 | 0 | 0 | 18.7 | 10 | 7.6 | 27 | 2 | 0 | 0 | 0 |
| | Hurghada | 26.2 | + 0.9 | 14.2 | — 1.4 | 20·2 | 31.8 | 1 | 20.8 | 30 | 22 | 4 | 0 | 0 | 0 | 18.4 | 10 | 9.8 | 27 | 1 | 0 | 0 | 0 |
| | Quseir | 26.3 | — 1.4 | 18.1 | — 1.7 | 22.2 | 31.6 | 4 | 21·0 | 30 | 22 | 4 | 0 | 0 | 0 | 21.4 | 1 | 13.6 | 30 | 0 | 0 | 0 | 0 |

# TABLE A 3.—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

## NOVEMBER 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0·1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | |
| GAB TAL | Jableh (A) | 48.4 | —32.9 | 13.0 | 10 | 11 | 7 | 2 | 0 | 0 | 0·0 | — | 209.0 | 275.2 | 76 | 3.9 | 3.7 | 4.2 | 3.6 | 3.6 |
| | Bouka ... ... ... ... | 52.5 | — | 19.0 | 10 | 7 | 6 | 2 | 0 | 0 | 0·0 | — | — | — | — | — | 3.5 | 3.0 | 3.9 | 2.3 |
| | Tartous ... ... ... ... | 47.0 | — | 35.0 | 15 | 3 | 3 | 1 | 1 | 0 | 0·0 | — | — | — | — | — | 1.7 | 1.0 | 2.6 | 3.6 |
| WESTERN LITTORAL | Damascus (A) ... | 9.0 | —14.4 | 7.5 | 15 | 2 | 2 | 0 | 0 | 0 | 0.0 | — | 241.0 | 297.3 | 81 | 1.7 | 2.6 | 3.5 | 1.9 | 3.7 |
| | Aleppo (A) ... | 9.0 | —16.9 | 4.8 | 29 | 4 | 3 | 0 | 0 | 0 | 0.0 | — | 194.0 | 295.4 | 66 | 2.6 | 3.2 | 4.0 | 2.6 | 3.6 |
| | Hama (A) ... | 31.1 | + 1.9 | 12.1 | 5 | 6 | 4 | 1 | 0 | 0 | 0·0 | — | 205.5 | 293.5 | 70 | 4.5 | 3.7 | 4.6 | 4.2 | 2.4 |
| | Homs ... ... ... ... | 23.0 | —30.4 | 12.2 | 28 | 5 | 5 | 1 | 0 | 0 | 0·0 | — | — | — | — | — | 3.3 | 3.9 | 4.4 | 2.4 |
| | Kharabo ... ... ... | 11·4 | — | 8.4 | 16 | 2 | 2 | 0 | 0 | 0 | 0,0 | — | — | — | — | — | 1.9 | 1.7 | 1.3 | — |
| | Salamiyie ... .. ... | 12.3 | — | 7.0 | 5 | 6 | 4 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.8 | 0.5 | 0.2 | 2.1 |
| | Meselmiyie ... ... ... | 8.9 | — | 4.5 | 5 | 4 | 3 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | — | — | — | 3.9 |
| | Fiq ... ... ... ... ... | 18.8 | — | 5.7 | 15 | 6 | 4 | 0 | 0 | 0 | 0·0 | — | 241·2 | 289.6 | 83 | — | 2.4 | 3.5 | 1. | 5.8 |
| | Tell Shihab ... ... ... | 19.5 | — | 7.8 | 28 | 4 | 3 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.5 | 2.4 | .3 | 3.0 |
| DESERT | Palmyra (A) ... | 21.9 | + 4.5 | 14.0 | 5 | 5 | 3 | 1 | 0 | 0 | 0.0 | — | 220.0 | 293.1 | 75 | 2.5 | 2.7 | 2.4 | 2.3 | 4.4 |
| EL GEZEIRA | Deir Ezzor (A) ... | 2.1 | — 9.8 | 1.7 | 29 | 2 | 1 | 0 | 0 | 0 | 0·0 | — | 203.4 | 259.1 | 69 | 2.3 | 2.9 | 3.0 | 2.0 | 5.0 |
| | Raqqa ... ... ... ... | 4.1 | — | 2·6 | 5 | 4 | 2 | 0 | 0 | 0 | 0·0 | — | 202.9 | 286.6 | 71 | 2.7 | 1.3 | 3. | 2.2 | 3.8 |
| NORTH EASTERN | Qamishlie (A) ... | 22.0 | —18.1 | 15.8 | 5 | 5 | 3 | 1 | 0 | 0 | 0.0 | — | 185.7 | 259.2 | 79 | 2.5 | 3.3 | 4.0 | 3.4 | 4.0 |
| | Tell Tamer ... ... ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.2 | 3.0 | 2.9 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | |
| MEDITERRANEAN | Sallum ... ... ... ... | 0.1 | —54.3 | 0.1 | 9 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.3 | 2·1 | 2.8 | 1.7 | 6.4 |
| | Sidi Barrani ... ... ... | 2.0 | —23 4 | 1.6 | 16 | 2 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.8 | 3.0 | 2.4 | 6.6 |
| | Mersa Matruh (A) ... | 0.4 | —32.4 | 0.2 | 15·16 | 2 | 0 | 0 | 0 | 0 | 0,0 | — | — | — | — | 2.7 | 3.7 | 3.8 | 2.6 | 10.2 |
| | Dabaa ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Alexandria (A) ... | 4·7 | —30.4 | 3.7 | 5 | 3 | 1 | 0 | 0 | 0 | 0·0 | — | 248.4 | 318.3 | 78.1 | 2.9 | 3.9 | 4.0 | 2.2 | 4.8 |
| | Dekheila (A) ... | 2.5 | —13.1 | 1.5 | 4 | 3 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.3 | 3.4 | 2.9 | 1.5 | 6.4 |
| | Damietta ... ... ... | tr. | —11.0 | tr. | 6 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.3 | 3.0 | 0.8 | 3.8 |
| | Port Said (A) ... | 4.0 | — 5.3 | 1.9 | 28 | 3 | 3 | 0 | 0 | 0 | 0.0 | — | 260.8 | 318.3 | 81.9 | 1.2 | 2.4 | 1.7 | 1.1 | 7.5 |
| | El Arish ... ... ... | 6.9 | — 8.2 | 5.0 | 28 | 3 | 2 | 0 | 0 | 0 | 0·0 | — | — | — | — | 2.2 | 3.2 | 2.5 | 1.4 | 5.4 |
| | Ghazza ... ... ... ... | 4.9 | —30.1 | 3.7 | 29 | 2 | 2 | 0 | 0 | 0 | 0·0 | — | 246.1 | 317.5 | 77.5 | 1.7 | 3.0 | 3.0 | 1.4 | 5.8 |

TABLE A 3. (*continued*)—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

## NOVEMBER 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal. | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... ... | 0.3 | —6.4 | 0.3 | 15 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.0 | 2.9 | 1.4 | 3.0 |
| | Mansoura ... ... ... | tr. | —5.5 | tr. | 15 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.6 | 3.3 | 0.8 | 2.6 |
| | Tanta ... ... ... ... | 0.0 | —5.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 266.7 | 318.3 | 83.8 | — | 1.1 | 2.8 | 0.5 | 3.8 |
| | Shebin el Kom ... ... | 0.0 | —2.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.5 | 1.7 | 0.9 | 3.5 |
| | Zagazig ... ... ... ... | tr. | —4.0 | tr. | 16·29 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.8 | 4.3 | 0.8 | 3.7 |
| | Zaher (A) ... | 0.2 | — | 0.2 | 29 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.2 | 2.6 | 0.6 | 7.9 |
| | Wadi el Natrun ... ... | 0.0 | —25.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.6 | 2.9 | 1.2 | 6.6 |
| | Abu Sueir ... (A) ... | tr. | — | tr. | 15·29 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.7 | 1.8 | 3.0 | 1.1 | 9.0 |
| Cairo Area | Cairo (A) ... | tr. | —3.2 | tr. | 9 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 1.1 | 1.5 | 2.8 | 1.0 | 8.1 |
| | Almaza (A) ... | 0.0 | —1.2 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | 281.2 | 320·2 | 87.8 | 0.7 | 1.3 | 2.7 | 0.7 | 6.4 |
| | Abbasiya (H.Q.) ... ... | 0.2 | — | 0.2 | 16 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | (238.2) | (277.6) | 85.8 | 0.7 | 1.0 | 2.5 | 1.2 | 5.5 |
| | Mostafa Helmi (A) ... | 0.0 | — | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.5 | 1.7 | 2.7 | 1.0 | 8.6 |
| | Giza ... ... ... ... | 0.1 | —3.9 | 0.1 | 16 | 1 | 0 | 0 | 0 | 0 | 0·0 | — | 272.4 | 320.2 | 85.0 | — | 1.6 | 2.3 | 0.6 | 5.3 |
| | Helwan ... ... ... ... | tr. | —4.0 | tr. | 16·29 | 0 | 0 | 0 | 0 | 0 | 0·0 | — | 288.5 | 319.8 | 90.0 | — | 1.2 | 2.3 | 0.9 | 8.2 |
| Upper Egypt | Fayoum ... ... ... ... | 0.0 | —1.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.8 | 1.6 | 0.9 | 4.3 |
| | Beni Suef ... ... ... | tr. | —0.2 | tr. | 29 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.0 | 1.7 | 1.3 | 4.5 |
| | Minya (A) ... | 0.0 | —0.3 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.4 | 0.6 | 1.3 | 0.5 | 6.9 |
| | Asyout (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.6 | 1.0 | 1.0 | 0.7 | 9.5 |
| | Nag Hammadi ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 2.4 | 2.4 | 1.1 | 4.5 |
| | Qena ... ... ... ... | 0.0 | —4·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 1.1 | 0.9 | 0.6 | 4.5 |
| | Luxor (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.3 | 0.8 | 1.0 | 0.7 | 7.2 |
| | Aswan ... ... ... ... | 0.0 | —0.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0,0 | — | — | — | — | 0.4 | 0.8 | 1.0 | 0.4 | 8.1 |
| Western Desert | Siwa ... ... ... ... | 0.0 | —0.9 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.5 | 1.6 | 2.1 | 0.8 | 7.7 |
| | Bahariya ... ... ... | 0.0 | —0.5 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.5 | 1.1 | 1.5 | 0.8 | 6.4 |
| | Farafra ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0,0 | — | — | — | — | 0.1 | 0.7 | 1.2 | 0.4 | 10.8 |
| | Dakhla ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0,0 | — | — | — | — | 0.8 | 1.5 | 1.5 | 0.8 | 10.7 |
| | Kharga ... ... ... ... | 0.0 | —0.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.6 | 1.4 | 1.2 | 0.5 | 8·5 |
| Red Sea | Suez... ... ... ... ... | 2.0 | —2.5 | 2.0 | 26 | 1 | 1 | 0 | 0 | 0 | 0·0 | — | — | — | — | — | 0.9 | 1.6 | 0.5 | 6.9 |
| | Tor ... ... ... ... ... | 0.0 | —2·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.6 | 1.3 | 1.0 | 1.0 | 6.1 |
| | Hurghada ... ... ... | 0.0 | —1·6 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.9 | 1.3 | 1.1 | 0.8 | 11.6 |
| | Quseir ... ... ... ... | 0.0 | —3·0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0·0 | — | — | — | — | 0.6 | 1.4 | 1.5 | 1·1 | 12.2 |

**Note :** Actual number of sunshine records was 26 days at Abbasiya (H.Q.)

## TABLE A 4.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

### NOVEMBER 1959

| Station | Number of days of occurrence of | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rain | Snow | Hail | Thunderstorm | Fog | Mist | Haze | Sandstorm Duststorm | Sandrising Dustrising | Gales | Cloudy sky | Clear sky |
| **Northern Region** | | | | | | | | | | | | |
| Jableh (A) ... ... ... | 11 | 0 | 0 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 7 |
| Bouka ... ... ... ... ... | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | — | — |
| Tartous ... ... ... ... ... | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Damascus (A) ... ... ... | 2 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 1 | 12 |
| Aleppo (A) ... ... ... | 4 | 0 | 0 | 0 | 1 | 4 | 5 | 2 | 3 | 1 | 3 | 12 |
| Hama (A) ... ... ... | 7 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 2 | 0 | 4 | 9 |
| Homs ... ... ... ... ... | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | — | — |
| Kharabo ... ... ... ... ... | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | — | — |
| Salamiyie ... ... ... ... ... | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | — | — |
| Meselmiyie ... ... ... ... ... | 4 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | — | — |
| Fiq ... ... ... ... ... ... | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 11 |
| Tell Shihab ... ... ... ... ... | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | — | — |
| Palmyra (A) ... ... ... | 5 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 1 | 0 | 2 | 11 |
| Deir Ezzor (A) ... ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 0 | 5 | 10 |
| Raqqa ... ... ... ... ... ... | 4 | 0 | 0 | 1 | 0 | 2 | 1 | 6 | 12 | 0 | 1 | 12 |
| Qamishlie (A) ... ... ... | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 7 | 10 |
| Tell Tamer ... ... ... ... ... | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| **Southern Region** | | | | | | | | | | | | |
| Sallum ... ... ... ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 18 |
| Sidi Barrani ... ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | — | — |
| Mersa Matruh (A) ... ... ... | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 |
| Alexandria (A) ... ... ... | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Port Said (A) ... ... ... | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 20 |
| El Arish ... ... ... | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 14 |
| Abu Sueir (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 3 | 0 | 0 | 16 |
| Cairo (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 0 | 0 | 0 | 0 | 18 |
| Almaza (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 21 |
| Abbasiya (H.Q.) ... ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| Mostafa Helmi (A) ... ... ... | 0 | 0 | 0 | 0 | 6 | 12 | 5 | 1 | 4 | 0 | 0 | 18 |
| Minya (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 28 |
| Asyout (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 27 |
| Luxor (A) ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| Aswan ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| Siwa ... ... ... ... ... | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| Hurghada ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| Quseir ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## NORTHERN REGION — NOVEMBER 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| COASTAL | Jableh (A) | 265 | 0 | 0 | 1-10 | 8 | 15 | 23 | 61 | 61 | 76 | 23 | 6 | 15 | 14 | 25 | 9 | 14 | 14 | 12 | 0 | 376 |
| | | | | | 11-27 | 5 | 11 | 1 | 4 | 2 | 8 | 0 | 0 | 2 | 19 | 14 | 3 | 3 | 2 | 5 | 0 | 79 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **13** | **26** | **24** | **65** | **63** | **84** | **23** | **6** | **17** | **33** | **39** | **12** | **17** | **16** | **17** | **0** | **455** |
| | Bouka | 290 | 0 | 85 | 1-10 | 30 | 41 | 33 | 27 | 12 | 0 | 0 | 11 | 5 | 3 | 16 | 16 | 17 | 11 | 14 | 2 | 238 |
| | | | | | 11-27 | 4 | 5 | 17 | 36 | 14 | 4 | 1 | 1 | 0 | 2 | 12 | 5 | 2 | 0 | 0 | 2 | 105 |
| | | | | | 28-47 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **36** | **46** | **50** | **63** | **26** | **4** | **1** | **12** | **5** | **5** | **28** | **21** | **19** | **11** | **14** | **4** | **345** |
| WESTERN INLAND | Damascus (A) | 296 | 0 | 0 | 1-10 | 13 | 26 | 21 | 22 | 39 | 27 | 13 | 13 | 26 | 7 | 18 | 14 | 38 | 20 | 6 | 12 | 315 |
| | | | | | 11-27 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 5 | 19 | 3 | 12 | 37 | 21 | 109 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **23** | **27** | **21** | **22** | **39** | **27** | **13** | **13** | **26** | **8** | **23** | **33** | **41** | **32** | **43** | **33** | **424** |
| | Aleppo (A) | 213 | 0 | 0 | 1-10 | 69 | 34 | 10 | 3 | 5 | 0 | 3 | 4 | 6 | 14 | 38 | 35 | 50 | 16 | 8 | 19 | 314 |
| | | | | | 11-27 | 59 | 31 | 13 | 7 | 15 | 0 | 0 | 0 | 4 | 7 | 13 | 14 | 10 | 4 | 7 | 6 | 190 |
| | | | | | 28-47 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **129** | **66** | **23** | **11** | **20** | **0** | **3** | **4** | **10** | **21** | **51** | **49** | **60** | **20** | **15** | **25** | **507** |
| | Hama (A) | 244 | 0 | 0 | 1-10 | 20 | 5 | 34 | 48 | 79 | 8 | 12 | 3 | 12 | 14 | 22 | 26 | 61 | 24 | 25 | 12 | 405 |
| | | | | | 11-27 | 12 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 3 | 23 | 13 | 5 | 0 | 6 | 71 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **32** | **8** | **35** | **48** | **79** | **8** | **12** | **4** | **12** | **18** | **25** | **49** | **74** | **29** | **25** | **18** | **476** |
| | Kharabo ... | 479 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 25 | 86 | 41 | 40 | 2 | 198 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 14 | 21 | 1 | 0 | 5 | 43 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **6** | **39** | **107** | **42** | **40** | **7** | **241** |
| | Salamiyie ... | 457 | 0 | 0 | 1-10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 29 | 86 | 33 | 13 | 11 | 20 | 12 | 226 |
| | | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 8 | 2 | 6 | 0 | 2 | 6 | 5 | 37 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **8** | **0** | **0** | **0** | **0** | **0** | **0** | **6** | **16** | **37** | **88** | **39** | **13** | **13** | **26** | **17** | **263** |
| | Fiq ... .. | 58 | 0 | 210 | 1-10 | 22 | 7 | 4 | 15 | 61 | 0 | 0 | 9 | 5 | 5 | 9 | 3 | 91 | 58 | 7 | 3 | 299 |
| | | | | | 11-27 | 11 | 0 | 6 | 9 | 79 | 1 | 1 | 3 | 2 | 0 | 3 | 0 | 20 | 12 | 4 | 2 | 153 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **33** | **7** | **10** | **24** | **140** | **1** | **1** | **12** | **7** | **5** | **12** | **3** | **111** | **70** | **11** | **5** | **452** |
| DESERT | Palmyra (A) | 217 | 0 | 0 | 1-10 | 22 | 26 | 23 | 13 | 8 | 1 | 0 | 0 | 3 | 0 | 0 | 4 | 31 | 139 | 141 | 51 | 462 |
| | | | | | 11-27 | 2 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 4 | 4 | 17 | 41 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **24** | **27** | **29** | **13** | **8** | **1** | **0** | **0** | **3** | **0** | **1** | **4** | **37** | **143** | **145** | **68** | **503** |
| EL GEZEIRA | Deir Ezzor (A) | 334 | 0 | 0 | 1-10 | 19 | 6 | 3 | 7 | 20 | 3 | 5 | 19 | 4 | 5 | 2 | 16 | 18 | 47 | 89 | 60 | 323 |
| | | | | | 11-27 | 2 | 0 | 0 | 2 | 17 | 0 | 6 | 10 | 3 | 0 | 0 | 1 | 3 | 3 | 13 | 3 | 63 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **21** | **6** | **3** | **9** | **37** | **3** | **11** | **29** | **7** | **5** | **2** | **17** | **21** | **50** | **102** | **63** | **386** |
| | Raqqa... ... | 39 | 0 | 0 | 1-10 | 15 | 4 | 13 | 20 | 76 | 8 | 8 | 1 | 1 | 5 | 26 | 32 | 167 | 77 | 22 | 33 | 508 |
| | | | | | 11-27 | 7 | 1 | 1 | 2 | 92 | 1 | 1 | 0 | 0 | 1 | 2 | 11 | 15 | 7 | 15 | 17 | 173 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **22** | **5** | **14** | **22** | **168** | **9** | **9** | **1** | **1** | **6** | **28** | **43** | **182** | **84** | **37** | **50** | **681** |
| NORTH EASTERN | Qamishlie (A) | 297 | 0 | 0 | 1-10 | 74 | 3 | 56 | 22 | 16 | 1 | 8 | 1 | 2 | 6 | 1 | 3 | 12 | 8 | 13 | 52 | 278 |
| | | | | | 11-27 | 43 | 1 | 52 | 23 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 17 | 145 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **117** | **4** | **108** | **45** | **19** | **1** | **9** | **1** | **2** | **6** | **1** | **3** | **14** | **11** | **13** | **69** | **423** |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## SOUTHERN REGION — NOVEMBER 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| MEDITERRANEAN | Sidi Barrani ... | 7 | 1 | 14 | 1-10 | 38 | 59 | 49 | 27 | 18 | 56 | 72 | 55 | 43 | 33 | 15 | 35 | 500 |
| | | | | | 11-27 | 7 | 21 | 15 | 38 | 14 | 14 | 20 | 6 | 9 | 18 | 10 | 26 | 198 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 45 | 80 | 64 | 65 | 32 | 70 | 92 | 61 | 52 | 51 | 25 | 61 | 698 |
| | Mersa Matruh (A) | 4 | 0 | 2 | 1-10 | 59 | 19 | 45 | 25 | 22 | 21 | 11 | 38 | 50 | 21 | 6 | 11 | 328 |
| | | | | | 11-27 | 70 | 23 | 40 | 22 | 23 | 19 | 24 | 23 | 51 | 14 | 25 | 52 | 386 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 129 | 42 | 85 | 47 | 45 | 40 | 35 | 61 | 101 | 35 | 31 | 63 | 714 |
| | Alexandria (A) | 19 | 0 | 4 | 1-10 | 79 | 97 | 46 | 43 | 46 | 11 | 7 | 28 | 8 | 21 | 32 | 92 | 510 |
| | | | | | 11-27 | 34 | 25 | 8 | 5 | 2 | 1 | 5 | 12 | 11 | 24 | 27 | 33 | 187 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 113 | 122 | 54 | 48 | 48 | 12 | 12 | 40 | 19 | 45 | 59 | 125 | 697 |
| | El Dekheila (A) | 3 | 0 | 54 | 1-10 | 51 | 68 | 44 | 57 | 39 | 22 | 23 | 10 | 23 | 7 | 19 | 46 | 409 |
| | | | | | 11-27 | 10 | 58 | 42 | 11 | 19 | 10 | 4 | 5 | 5 | 15 | 26 | 49 | 254 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 61 | 126 | 86 | 68 | 58 | 32 | 27 | 15 | 28 | 22 | 45 | 95 | 663 |
| | Port Said (A) | 0 | 0 | 0 | 1-10 | 136 | 89 | 112 | 37 | 23 | 15 | 1 | 6 | 21 | 48 | 25 | 64 | 577 |
| | | | | | 11-27 | 2 | 51 | 14 | 15 | 4 | 2 | 1 | 2 | 14 | 13 | 8 | 17 | 143 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 138 | 140 | 126 | 52 | 27 | 17 | 2 | 8 | 35 | 61 | 33 | 81 | 720 |
| | El Arish ... ... | 84 | 70 | 1 | 1-10 | 67 | 85 | 18 | 15 | 28 | 95 | 27 | 19 | 62 | 24 | 40 | 63 | 541 |
| | | | | | 11-27 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 11 | 5 | 24 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 67 | 87 | 18 | 15 | 30 | 95 | 27 | 1 | 63 | 27 | 51 | 68 | 565 |
| LOWER EGYPT | Zaher (A) | 23 | 0 | 5 | 1-10 | 102 | 101 | 59 | 40 | 13 | 22 | 13 | 4 | 82 | 53 | 33 | 52 | 615 |
| | | | | | 11-27 | 5 | 6 | 18 | 3 | 0 | 17 | 2 | 2 | 10 | 8 | 2 | 4 | 77 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 107 | 107 | 7 | 43 | 13 | 39 | 15 | 47 | 92 | 61 | 35 | 56 | 692 |
| CAIRO AREA | Cairo (A) | 44 | 0 | 2 | 1-10 | 89 | 89 | 113 | 68 | 1 | 12 | 31 | 4 | 34 | 23 | 31 | 43 | 587 |
| | | | | | 11-27 | 6 | 12 | 19 | 2 | 0 | 13 | 8 | 6 | 7 | 10 | 2 | 2 | 87 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 95 | 101 | 132 | 70 | 10 | 25 | 39 | 50 | 41 | 33 | 33 | 45 | 674 |
| | Almaza (A) | 3 | 0 | 0 | 1-10 | 31 | 55 | 137 | 103 | 33 | 30 | 12 | 22 | 27 | 33 | 23 | 24 | 530 |
| | | | | | 11-27 | 0 | 5 | 54 | 50 | 14 | 9 | 9 | 7 | 16 | 5 | 9 | 9 | 186 |
| | | | | | 28-47 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 31 | 60 | 191 | 154 | 47 | 39 | 2 | 29 | 42 | 38 | 32 | 33 | 717 |
| | Abbasiya (H.Q.) | 173 | 18 | 6 | 1-10 | 175 | 117 | 23 | 7 | 4 | 15 | 31 | 30 | 29 | 21 | 26 | 48 | 536 |
| | | | | | 11-27 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 12 |
| | | | | | 28-47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 176 | 121 | 23 | 7 | 4 | 19 | 31 | 36 | 31 | 21 | 27 | 48 | 549 |
| | Mostafa Helmi (A) | 7 | 0 | 0 | 1-10 | 56 | 148 | 82 | 8 | 12 | 15 | 16 | 15 | 21 | 23 | 24 | 33 | 453 |
| | | | | | 11-27 | 11 | 63 | 105 | 17 | 1 | 0 | 5 | 12 | 7 | 10 | 18 | 11 | 260 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 67 | 211 | 187 | 25 | 13 | 15 | 21 | 27 | 28 | 33 | 42 | 44 | 713 |
| | Giza ... ... ... | 87 | 13 | 2 | 1-10 | 108 | 60 | 53 | 38 | 18 | 21 | 9 | 23 | 19 | 38 | 117 | 108 | 613 |
| | | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 6 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 108 | 62 | 63 | 38 | 18 | 21 | 9 | 23 | 19 | 38 | 121 | 108 | 618 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

### SOUTHERN REGION (*contd.*) — NOVEMBER 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| UPPER EGYPT | Minya... ... (A) | 39 | 10 | 0 | 1-10 | 180 | 15 | 0 | 3 | 13 | 28 | 23 | 8 | 14 | 6 | 21 | 183 | 494 |
| | | | | | 11-27 | 148 | 14 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 11 | 177 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **328** | **29** | **0** | **3** | **13** | **29** | **25** | **8** | **14** | **6** | **22** | **194** | **671** |
| | Luxor... ... (A) | 162 | 30 | 51 | 1-10 | 55 | 48 | 15 | 27 | 21 | 29 | 40 | 31 | 5 | 29 | 46 | 123 | 469 |
| | | | | | 11-27 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **55** | **48** | **23** | **27** | **21** | **29** | **40** | **31** | **5** | **29** | **46** | **123** | **477** |
| WESTREN DESERT | Siwa ... ... ... | 117 | 1 | 0 | 1-10 | 12 | 26 | 24 | 46 | 70 | 55 | 35 | 17 | 12 | 49 | 107 | 35 | 488 |
| | | | | | 11-27 | 4 | 2 | 4 | 3 | 24 | 17 | 0 | 8 | 3 | 3 | 19 | 27 | 114 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **16** | **28** | **28** | **49** | **94** | **72** | **35** | **25** | **15** | **52** | **126** | **62** | **602** |
| | Dakhla... ... .. | 44 | 0 | 26 | 1-10 | 53 | 53 | 28 | 10 | 10 | 25 | 8 | 25 | 34 | 80 | 133 | 99 | 558 |
| | | | | | 11-27 | 25 | 7 | 0 | 0 | 3 | 3 | 0 | 0 | 1 | 0 | 5 | 48 | 92 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **78** | **60** | **28** | **10** | **13** | **28** | **8** | **25** | **35** | **80** | **138** | **147** | **650** |
| RED SEA | Hurghada ... ... | 4 | 44 | 4 | 1-10 | 19 | 10 | 9 | 18 | 15 | 13 | 5 | 1 | 1 | 13 | 73 | 27 | 204 |
| | | | | | 11-27 | 112 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 183 | 158 | 462 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **131** | **11** | **9** | **18** | **16** | **13** | **5** | **1** | **1** | **20** | **256** | **187** | **668** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## JABLEH (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 11 | 0 | 0 | 1-10 | 1 | 0 | 2 | 3 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 2 | 3 | 3 | 6 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 19 |
| 0300 | 10 | 0 | 0 | 1-10 | 0 | 0 | 2 | 6 | 4 | 4 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 6 | 4 | 5 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 20 |
| 0600 | 9 | 0 | 0 | 1-10 | 0 | 0 | 1 | 7 | 3 | 7 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 7 | 3 | 7 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 0900 | 14 | 0 | 0 | 1-10 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 1 | 2 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 2 | 2 | 4 | 0 | 0 | 1 | 2 | 0 | 16 |
| 1200 | 5 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 5 | 1 | 3 | 4 | 1 | 0 | 18 |
| | | | | 11-27 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 5 | 1 | 3 | 4 | 3 | 0 | 25 |
| 1500 | 14 | 0 | 0 | 1-10 | 1 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 13 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 4 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 1 | 1 | 0 | 1 | 3 | 0 | 16 |
| 1800 | 11 | 0 | 0 | 1-10 | 1 | 1 | 0 | 2 | 4 | 6 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 2 | 4 | 6 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 19 |
| 2100 | 11 | 0 | 0 | 1-10 | 0 | 1 | 3 | 3 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 3 | 3 | 3 | 4 | 2 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 19 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## BOUKA — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 17 | 0 | 0 | 1-10 | 0 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 11-27 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **5** | **4** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **13** |
| 0300 | 17 | 0 | 0 | 1-10 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| | | | | 1-27 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **2** | **3** | **3** | **0** | **0** | **0** | **1** | **1** | **0** | **1** | **0** | **0** | **0** | **0** | **1** | **13** |
| 0600 | 20 | 0 | 0 | 1-10 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **2** | **2** | **2** | **1** | **0** | **0** | **1** | **1** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **10** |
| 0900 | 11 | 0 | 0 | 1-10 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 2 | 1 | 1 | 1 | 2 | 14 |
| | | | | 11-47 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **1** | **3** | **1** | **0** | **0** | **1** | **2** | **0** | **1** | **2** | **2** | **1** | **1** | **2** | **19** |
| 1200 | 10 | 0 | 0 | 1-10 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 1 | 2 | 1 | 14 |
| | | | | 11-27 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **1** | **1** | **1** | **0** | **0** | **1** | **0** | **0** | **0** | **2** | **4** | **3** | **1** | **2** | **1** | **20** |
| 1500 | 19 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 7 |
| | | | | 11-27 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **1** | **2** | **2** | **0** | **0** | **0** | **0** | **0** | **3** | **0** | **1** | **0** | **0** | **0** | **11** |
| 1800 | 20 | 0 | 0 | 1-10 | 1 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **2** | **0** | **5** | **1** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **10** |
| 2100 | 19 | 0 | 0 | 1-10 | 0 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **2** | **3** | **4** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **11** |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### DAMASCUS (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 15 | 0 | 0 | 1-10 | 0 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 1 | 1 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 2 | 2 | 15 |
| 0300 | 21 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 1 | 9 |
| 0600 | 23 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 7 |
| 0900 | 10 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 5 | 2 | 2 | 0 | 3 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 5 | 2 | 2 | 0 | 3 | 0 | 3 | 2 | 0 | 0 | 2 | 0 | 20 |
| 1200 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 4 | 5 | 1 | 2 | 3 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 21 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 4 | 5 | 1 | 2 | 3 | 2 | 2 | 0 | 1 | 4 | 1 | 0 | 27 |
| 1500 | 7 | 0 | 0 | 1-10 | 1 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 5 | 4 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 5 | 4 | 23 |
| 1800 | 10 | 0 | 0 | 1-10 | 1 | 3 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 10 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 4 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 2 | 4 | 20 |
| 2100 | 11 | 0 | 0 | 1-10 | 3 | 4 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 2 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 4 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 1 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEPPO (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 9 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 0 | 1 | 3 | 13 |
| | | | | 11-27 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 2 | 1 | 3 | 21 |
| 0300 | 16 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 9 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 14 |
| 0600 | 11 | 0 | 0 | 1-10 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 0 | 16 |
| | | | | 11-27 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 0 | 19 |
| 0900 | 3 | 0 | 0 | 1-10 | 1 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 1 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 3 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 7 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 1 | 0 | 0 | 0 | 27 |
| 1200 | 3 | 0 | 0 | 1-10 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 0 | 1 | 13 |
| | | | | 11-27 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 3 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 6 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 2 | 1 | 3 | 1 | 27 |
| 1500 | 7 | 0 | 0 | 1-10 | 3 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 3 | 1 | 3 | 0 | 0 | 0 | 18 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 3 | 2 | 4 | 0 | 0 | 1 | 23 |
| 1800 | 11 | 0 | 0 | 1-10 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 1 | 1 | 0 | 12 |
| | | | | 11-27 | 4 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 1 | 1 | 0 | 19 |
| 2100 | 11 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 3 | 1 | 0 | 0 | 12 |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 3 | 1 | 0 | 1 | 19 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## HAMA (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 13 | 0 | 0 | 1-10 | 0 | 0 | 1 | 5 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 5 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 17 |
| 0300 | 12 | 0 | 0 | 1-10 | 0 | 0 | 4 | 3 | 6 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 4 | 3 | 6 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 18 |
| 0600 | 12 | 0 | 0 | 1-10 | 0 | 0 | 3 | 6 | 5 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 3 | 6 | 5 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 18 |
| 0900 | 12 | 0 | 0 | 1-10 | 1 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 1 | 1 | 14 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 1 | 2 | 18 |
| 1200 | 5 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 3 | 6 | 2 | 18 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 6 | 4 | 6 | 2 | 25 |
| 1500 | 4 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 9 | 2 | 1 | 0 | 19 |
| | | | | 11-27 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 5 | 10 | 2 | 1 | 0 | 26 |
| 1800 | 14 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 3 | 3 | 2 | 3 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 3 | 3 | 2 | 3 | 0 | 0 | 1 | 16 |
| 2100 | 14 | 0 | 0 | 1-10 | 0 | 0 | 0 | 4 | 3 | 0 | 1 | 0 | 4 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 14 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 4 | 3 | 0 | 1 | 1 | 4 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 16 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## KHARABO — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 4 |
| 0300 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 4 |
| 0600 | 27 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| 0900 | 15 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 3 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 5 | 3 | 0 | 15 |
| 1200 | 10 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 4 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 14 | 0 | 4 | 0 | 20 |
| 1500 | 21 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 2 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 2 | 0 | 9 |
| 1800 | 19 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 1 | 3 | 0 | 11 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 1 | 3 | 0 | 11 |
| 2100 | 25 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 5 |

**TABLE A 5.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## SALAMIYIE —NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 25 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 1 | 0 | |
| 0300 | 25 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | |
| 0600 | 26 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 0900 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 9 | 2 | 0 | 1 | 1 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 9 | 2 | 0 | 1 | 1 | 1 | |
| 1200 | 5 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 3 | 2 | 2 | 3 | 1 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 11 | 5 | 2 | 2 | 3 | 1 | |
| 1500 | 21 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 1 | 0 | 0 | 1 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 1 | 0 | 1 | 1 | |
| 1800 | 24 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speed | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | |
| 2100 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## FIQ — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | — | — | — | 1-10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11-27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28-47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0300 | — | — | — | 1-10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11-27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28-47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0600 | 3 | 0 | 0 | 1-10 | 0 | 0 | 1 | 2 | 11 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 2 | 22 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 27 |
| 0900 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 7 | 1 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 3 | 11 | 0 | 0 | 1 | 0 | 0 | 4 | 1 | 7 | 2 | 0 | 0 | 29 |
| 1200 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 10 | 8 | 2 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 12 | 9 | 3 | 0 | 29 |
| 1500 | 5 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 9 | 2 | 2 | 0 | 20 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 12 | 2 | 2 | 0 | 25 |
| 1800 | 4 | 0 | 0 | 1-10 | 3 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 1 | 14 |
| | | | | 11-27 | 1 | 0 | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 1 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 2 | 1 | 26 |
| 2100 | 6 | 0 | 0 | 1-10 | 1 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 2 | 0 | 0 | 14 |
| | | | | 11-27 | 1 | 0 | 2 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 2 | 1 | 9 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 2 | 0 | 1 | 24 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## PALMYRA (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 7 | 0 | 0 | 1-10 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 10 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 10 | 1 | 23 |
| 0300 | 8 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 13 | 1 | 19 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 13 | 2 | 22 |
| 0600 | 8 | 0 | 0 | 1-10 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 6 | 6 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 6 | 8 | 2 | 22 |
| 0900 | 3 | 0 | 0 | 1-10 | 0 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 9 | 7 | 0 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 9 | 7 | 0 | 27 |
| 1200 | 9 | 0 | 0 | 1-10 | 1 | 0 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 10 | 1 | 1 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 10 | 2 | 1 | 21 |
| 1500 | 11 | 0 | 0 | 1-10 | 2 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 5 | 19 |
| 1800 | 7 | 0 | 0 | 1-10 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 5 | 20 |
| | | | | 11-27 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 6 | 23 |
| 2100 | 13 | 0 | 0 | 1-10 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 3 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 4 | 17 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DEIR EZZOR (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 21 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 2 | 9 |
| 0300 | 19 | 0 | 0 | 1-10 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 2 | 11 |
| 0600 | 14 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 4 | 5 | 1 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 4 | 6 | 1 | 16 |
| 0900 | 7 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 4 | 4 | 5 | 18 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 1 | 0 | 1 | 0 | 0 | 4 | 6 | 5 | 23 |
| 1200 | 6 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 8 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 0 | 3 | 0 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 3 | 9 | 0 | 24 |
| 1500 | 16 | 0 | 0 | 1-10 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 1 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 2 | 1 | 14 |
| 1800 | 15 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 3 | 2 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 4 | 3 | 2 | 0 | 15 |
| 2100 | 15 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 5 | 1 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 4 | 5 | 1 | 15 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS**

## RAQQA — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 2 | 0 | 0 | 1-10 | 0 | 1 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 7 | 4 | 0 | 1 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 7 | 4 | 1 | 2 | 28 |
| 0300 | 2 | 0 | 0 | 1-10 | 2 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 7 | 2 | 3 | 1 | 23 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 2 | 0 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 7 | 2 | 4 | 1 | 28 |
| 0600 | 6 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 9 | 4 | 1 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 9 | 4 | 1 | 0 | 24 |
| 0900 | 0 | 0 | 0 | 1-10 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 6 | 4 | 1 | 1 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 1 | 0 | 7 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 8 | 4 | 2 | 2 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 1 | 2 | 2 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 2 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 6 | 1 | 4 | 4 | 30 |
| 1500 | 2 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 6 | 5 | 1 | 1 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 9 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 6 | 5 | 1 | 1 | 28 |
| 1800 | 2 | 0 | 0 | 1-10 | 1 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 10 | 1 | 0 | 1 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 11 | 1 | 0 | 2 | 28 |
| 2100 | 2 | 0 | 0 | 1-10 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 9 | 3 | 3 | 1 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 2 | 3 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 9 | 3 | 3 | 1 | 28 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## QAMISHLIE (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | N N E | N E | E N E | E | E S E | S E | S S E | S | S S W | S W | W S W | W | W N W | N W | N N W | All directions |
| 0000 | 11 | • | • | 1-10 | 6 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 14 |
| | | | | 11-27 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | All speeds | 7 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 3 | 19 |
| 0300 | 14 | • | • | 1-10 | 5 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 |
| | | | | 11-27 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 16 |
| 0600 | 11 | • | • | 1-10 | 4 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 10 |
| | | | | 11-27 | 3 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 19 |
| 0900 | 7 | • | • | 1-10 | 2 | 0 | 2 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 15 |
| | | | | 11-27 | 3 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 4 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 23 |
| 1200 | 11 | • | • | 1-10 | 4 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 2 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 0 | 2 | 2 | 3 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 19 |
| 1500 | 13 | • | • | 1-10 | 2 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 2 | 4 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 2 | 4 | 17 |
| 1800 | 17 | • | • | 1-10 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 11 |
| | | | | 11-27 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 13 |
| 2100 | 13 | • | • | 1-10 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 11 |
| | | | | 11-27 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 5 | 17 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## SALLUM — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 14 | 0 | 0 | 1-10 | 2 | 3 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 4 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 0 | 2 | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 4 | 16 |
| 0300 | 16 | 0 | 0 | 1-10 | 2 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 2 | 2 | 2 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 2 | 2 | 2 | 14 |
| 0600 | 15 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 3 | 1 | 3 | 12 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 4 | 1 | 3 | 15 |
| 0900 | 8 | 0 | 0 | 1-10 | 0 | 1 | 2 | 2 | 1 | 0 | 3 | 2 | 1 | 5 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 2 | 2 | 2 | 1 | 4 | 2 | 1 | 6 | 0 | 0 | 22 |
| 1200 | 4 | 0 | 0 | 1-10 | 0 | 2 | 4 | 5 | 0 | 1 | 2 | 1 | 0 | 4 | 0 | 2 | 21 |
| | | | | 11-27 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 5 | 5 | 0 | 2 | 3 | 1 | 0 | 5 | 0 | 2 | 26 |
| 1500 | 7 | 0 | 0 | 1-10 | 3 | 3 | 2 | 4 | 0 | 1 | 0 | 1 | 1 | 1 | 2 | 1 | 19 |
| | | | | 11-27 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 3 | 5 | 0 | 1 | 0 | 2 | 1 | 2 | 2 | 1 | 23 |
| 1800 | 16 | 0 | 0 | 1-10 | 3 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 11 |
| | | | | 11-27 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 14 |
| 2100 | 15 | 0 | 0 | 1-10 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 2 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 4 | 15 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MERSA MATRUH (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1-10 | 4 | 0 | 1 | 1 | 2 | 0 | 4 | 0 | 4 | 0 | 0 | 1 | 17 |
| | | | | 11-27 | 3 | 0 | 3 | 1 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 0 | 4 | 2 | 4 | 0 | 4 | 2 | 6 | 0 | 0 | 1 | 30 |
| 0300 | 0 | 0 | 0 | 1-10 | 0 | 1 | 2 | 0 | 0 | 2 | 1 | 3 | 6 | 1 | 0 | 0 | 16 |
| | | | | 11-27 | 2 | 0 | 1 | 1 | 2 | 1 | 1 | 1 | 4 | 0 | 0 | 1 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 3 | 1 | 2 | 3 | 2 | 4 | 10 | 1 | 0 | 1 | 30 |
| 0600 | 0 | 0 | 0 | 1-10 | 2 | 1 | 2 | 0 | 0 | 1 | 2 | 1 | 6 | 1 | 0 | 0 | 16 |
| | | | | 11-27 | 1 | 0 | 1 | 1 | 0 | 2 | 2 | 2 | 4 | 0 | 0 | 1 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 3 | 1 | 0 | 3 | 4 | 3 | 10 | 1 | 0 | 1 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 7 |
| | | | | 11-27 | 2 | 3 | 1 | 3 | 2 | 1 | 2 | 1 | 3 | 1 | 1 | 3 | 23 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 6 | 1 | 3 | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 4 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 5 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 9 |
| | | | | 11-27 | 2 | 3 | 2 | 2 | 0 | 0 | 1 | 0 | 2 | 0 | 4 | 5 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 3 | 2 | 0 | 1 | 2 | 0 | 2 | 0 | 4 | 6 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 4 | 1 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 12 |
| | | | | 11-27 | 4 | 2 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 3 | 2 | 2 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 3 | 5 | 4 | 0 | 0 | 1 | 1 | 0 | 3 | 2 | 3 | 30 |
| 1800 | 2 | 0 | 0 | 1-10 | 2 | 0 | 3 | 2 | 2 | 1 | 0 | 2 | 3 | 0 | 1 | 1 | 17 |
| | | | | 11-27 | 6 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 0 | 4 | 4 | 2 | 1 | 0 | 2 | 3 | 1 | 2 | 1 | 28 |
| 2100 | 1 | 0 | 0 | 1-10 | 4 | 1 | 3 | 2 | 2 | 0 | 0 | 3 | 2 | 1 | 0 | 0 | 18 |
| | | | | 11-27 | 3 | 0 | 1 | 0 | 2 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 1 | 4 | 2 | 4 | 1 | 1 | 5 | 2 | 1 | 0 | 1 | 30 |

TABLE A 6—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALEXANDRIA (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1–10 | 5 | 4 | 1 | 7 | 1 | 0 | 1 | 2 | 0 | 0 | 2 | 3 | 26 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 1 | 7 | 1 | 0 | 1 | 2 | 0 | 0 | 2 | 5 | 28 |
| 0300 | 4 | 0 | 0 | 1–10 | 5 | 4 | 2 | 3 | 3 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 2 | 3 | 4 | 0 | 0 | 2 | 1 | 1 | 1 | 3 | 26 |
| 0600 | 5 | 0 | 0 | 1–10 | 4 | 4 | 1 | 3 | 2 | 1 | 0 | 2 | 0 | 0 | 1 | 1 | 19 |
| | | | | 11–27 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 2 | 4 | 2 | 1 | 0 | 4 | 0 | 1 | 1 | 2 | 25 |
| 0900 | 2 | 0 | 0 | 1–10 | 0 | 0 | 2 | 1 | 4 | 1 | 1 | 1 | 0 | 1 | 1 | 3 | 15 |
| | | | | 11–27 | 5 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 2 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 3 | 1 | 5 | 1 | 1 | 1 | 1 | 3 | 1 | 5 | 28 |
| 1200 | 0 | 0 | 0 | 1–10 | 2 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 3 | 2 | 3 | 16 |
| | | | | 11–27 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 2 | 3 | 14 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 1 | 0 | 2 | 1 | 1 | 1 | 2 | 3 | 4 | 6 | 30 |
| 1500 | 0 | 0 | 0 | 1–10 | 6 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 6 | 20 |
| | | | | 11–27 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 6 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 4 | 7 | 30 |
| 1800 | 0 | 0 | 0 | 1–10 | 9 | 5 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 5 | 25 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 5 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 7 | 30 |
| 2100 | 3 | 0 | 0 | 1–10 | 6 | 5 | 2 | 3 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 3 | 22 |
| | | | | 11–27 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 5 | 3 | 4 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 5 | 27 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DEKHEILA (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 314 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 0 | 0 | 0 | 1—10 | 4 | 2 | 1 | 3 | 4 | 3 | 1 | 0 | 2 | 0 | 0 | 1 | 21 |
| | | | | 11—27 | 1 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 9 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 3 | 3 | 4 | 4 | 1 | 0 | 2 | 0 | 1 | 3 | 30 |
| 0300 | 1 | 0 | 0 | 1—10 | 1 | 2 | 4 | 1 | 1 | 3 | 2 | 0 | 4 | 0 | 1 | 0 | 19 |
| | | | | 11—27 | 1 | 2 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 6 | 1 | 4 | 3 | 2 | 0 | 4 | 0 | 1 | 2 | 29 |
| 0600 | 0 | 0 | 0 | 1—10 | 1 | 2 | 2 | 4 | 2 | 2 | 3 | 2 | 2 | 0 | 0 | 2 | 22 |
| | | | | 11—27 | 0 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 8 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 4 | 2 | 4 | 4 | 3 | 3 | 2 | 2 | 1 | 1 | 3 | 30 |
| 0900 | 0 | 0 | 0 | 1—10 | 0 | 4 | 4 | 0 | 5 | 1 | 1 | 2 | 0 | 0 | 2 | 3 | 22 |
| | | | | 11—27 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 8 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 5 | 5 | 1 | 5 | 2 | 1 | 2 | 0 | 2 | 3 | 4 | 30 |
| 1200 | 0 | 0 | 0 | 1—10 | 3 | 6 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 15 |
| | | | | 11—27 | 0 | 3 | 4 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 3 | 1 | 15 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 9 | 4 | 0 | 3 | 0 | 0 | 1 | 0 | 2 | 5 | 3 | 30 |
| 1500 | 0 | 0 | 0 | 1—10 | 6 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 16 |
| | | | | 11—27 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 14 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 9 | 6 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 4 | 30 |
| 1800 | 1 | 0 | 0 | 1—10 | 4 | 2 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17 |
| | | | | 11—27 | 1 | 3 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 12 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 5 | 6 | 5 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 5 | 29 |
| 2100 | 0 | 0 | 0 | 1—10 | 2 | 3 | 0 | 7 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 2 | 19 |
| | | | | 11—27 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 11 |
| | | | | 28—47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 5 | 2 | 8 | 3 | 0 | 1 | 0 | 1 | 0 | 2 | 5 | 30 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## PORT SAID (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1-10 | 6 | 3 | 2 | 2 | 1 | 1 | 0 | 0 | 2 | 4 | 0 | 1 | 22 |
| | | | | 11-27 | 1 | 2 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 5 | 5 | 2 | 1 | 2 | 0 | 0 | 3 | 4 | 0 | 1 | 30 |
| 0300 | 0 | 0 | 0 | 1-10 | 4 | 5 | 3 | 2 | 0 | 1 | 0 | 1 | 0 | 4 | 2 | 0 | 22 |
| | | | | 11-27 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 8 | 6 | 2 | 0 | 1 | 0 | 2 | 1 | 4 | 2 | 0 | 30 |
| 0600 | 0 | 0 | 0 | 1-10 | 4 | 5 | 3 | 1 | 0 | 1 | 0 | 1 | 2 | 3 | 1 | 1 | 22 |
| | | | | 11-27 | 0 | 1 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 6 | 7 | 1 | 1 | 1 | 0 | 1 | 2 | 3 | 1 | 3 | 30 |
| 0900 | 0 | 0 | 0 | 1-10 | 3 | 2 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 6 | 0 | 5 | 23 |
| | | | | 11-27 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 4 | 4 | 2 | 0 | 0 | 0 | 1 | 6 | 0 | 5 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 9 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 20 |
| | | | | 11-27 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 3 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 9 | 3 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 20 |
| | | | | 11-27 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 5 | 5 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 2 | 30 |
| 1800 | 0 | 0 | 0 | 1-10 | 7 | 6 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 2 | 21 |
| | | | | 11-27 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 9 | 5 | 0 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 3 | 30 |
| 2100 | 1 | 0 | 0 | 1-10 | 5 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 3 | 21 |
| | | | | 11-27 | 0 | 2 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 4 | 8 | 3 | 0 | 1 | 0 | 0 | 1 | 3 | 0 | 4 | 29 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## EL ARISH — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 13 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 1 | 6 | 1 | 2 | 4 | 0 | 0 | 1 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **1** | **0** | **0** | **1** | **6** | **1** | **2** | **4** | **1** | **0** | **1** | **17** |
| 0300 | 9 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 1 | 8 | 4 | 3 | 4 | 0 | 0 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **1** | **0** | **0** | **1** | **8** | **4** | **3** | **4** | **0** | **0** | **0** | **21** |
| 0600 | 4 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 1 | 8 | 3 | 6 | 6 | 0 | 0 | 0 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **2** | **1** | **8** | **3** | **6** | **6** | **0** | **0** | **0** | **26** |
| 0900 | 2 | 0 | 0 | 1-10 | 1 | 2 | 0 | 7 | 1 | 3 | 0 | 0 | 2 | 3 | 6 | 1 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **2** | **0** | **7** | **2** | **3** | **0** | **0** | **2** | **3** | **6** | **2** | **28** |
| 1200 | 0 | 0 | 0 | 1-10 | 4 | 6 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 5 | 8 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **6** | **1** | **0** | **0** | **2** | **0** | **0** | **1** | **1** | **6** | **9** | **30** |
| 1500 | 2 | 0 | 0 | 1-10 | 11 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **6** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **3** | **5** | 28 |
| 1800 | 8 | 0 | 0 | 1-10 | 6 | 7 | 2 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 2 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **7** | **2** | **0** | **1** | **1** | **0** | **0** | **1** | **2** | **0** | 2 | 22 |
| 2100 | 10 | 0 | 0 | 1-10 | 1 | 4 | 1 | 0 | 2 | 4 | 1 | 2 | 1 | 0 | 2 | 1 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **4** | **1** | **0** | **2** | **4** | **1** | **2** | **1** | **0** | **3** | **1** | **20** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABU SUEIR (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 16 | 0 | 0 | 1-10 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 2 | 2 | 1 | 2 | 1 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 2 | 3 | 1 | 2 | 1 | 14 |
| 0300 | 17 | 0 | 0 | 1-10 | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 5 | 3 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 5 | 3 | 0 | 0 | 13 |
| 0600 | 12 | 0 | 0 | 1-10 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 2 | 7 | 0 | 1 | 14 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 2 | 1 | 2 | 0 | 0 | 1 | 3 | 7 | 0 | 1 | 18 |
| 0900 | 3 | 0 | 0 | 1-10 | 0 | 4 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 15 |
| | | | | 11-27 | 1 | 1 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 5 | 3 | 6 | 3 | 0 | 0 | 0 | 0 | 4 | 2 | 3 | 27 |
| 1200 | 3 | 0 | 0 | 1-10 | 2 | 1 | 4 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 5 | 0 | 15 |
| | | | | 11-27 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 7 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 6 | 1 | 27 |
| 1500 | 1 | 0 | 0 | 1-10 | 2 | 4 | 3 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 13 |
| | | | | 11-27 | 5 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 8 | 5 | 1 | 0 | 1 | 0 | 1 | 0 | 3 | 2 | 1 | 29 |
| 1800 | 2 | 0 | 0 | 1-10 | 10 | 6 | 0 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 2 | 3 | 26 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 6 | 1 | 2 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 3 | 28 |
| 2100 | 11 | 0 | 0 | 1-10 | 2 | 2 | 2 | 1 | 3 | 0 | 0 | 1 | 1 | 2 | 3 | 2 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 2 | 1 | 3 | 0 | 0 | 1 | 1 | 2 | 3 | 2 | 19 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## CAIRO (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 0 | 1–10 | 5 | 9 | 6 | 6 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 1 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 0 | 6 | 6 | 2 | 1 | 1 | 2 | 1 | 0 | 0 | 1 | 25 |
| 0300 | 6 | 0 | 0 | 1–10 | 0 | 3 | 4 | 8 | 0 | 2 | 6 | 0 | 1 | 0 | 0 | 0 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 4 | 8 | 0 | 2 | 6 | 0 | 1 | 0 | 0 | 0 | 24 |
| 0600 | 5 | 0 | 0 | 1–10 | 0 | 3 | 8 | 3 | 0 | 0 | 2 | 4 | 3 | 0 | 0 | 0 | 23 |
| | | | | 11–27 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 9 | 4 | 0 | 0 | 2 | 4 | 3 | 0 | 0 | 0 | 25 |
| 0900 | 0 | 0 | 0 | 1–10 | 3 | 7 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 2 | 3 | 21 |
| | | | | 11–27 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 10 | 4 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 3 | 3 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 5 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 1 | 2 | 18 |
| | | | | 11–27 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 4 | 5 | 0 | 0 | 0 | 1 | 1 | 3 | 5 | 2 | 2 | 30 |
| 1500 | 0 | 0 | 1 | 1–10 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 3 | 6 | 21 |
| | | | | 11–27 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 5 | 3 | 0 | 0 | 0 | 0 | 3 | 1 | 3 | 3 | 6 | 29 |
| 1800 | 1 | 0 | 0 | 1–10 | 6 | 13 | 0 | 1 | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 2 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 13 | 0 | 2 | 0 | 2 | 1 | 2 | 0 | 1 | 0 | 2 | 29 |
| 2100 | 2 | 0 | 0 | 1–10 | 1 | 7 | 7 | 7 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 26 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 7 | 7 | 7 | 2 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 28 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## ALMAZA (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 2 | 0 | 0 | 1-10 | 0 | 3 | 3 | 6 | 5 | 1 | 1 | 1 | 3 | 0 | 1 | 0 | 24 |
| | | | | 11-27 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 4 | 7 | 5 | 1 | 2 | 1 | 3 | 1 | 1 | 0 | 28 |
| 0300 | 2 | 0 | 0 | 1-10 | 0 | 3 | 4 | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 4 | 8 | 3 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | 28 |
| 0600 | 1 | 0 | 0 | 1-10 | 1 | 2 | 6 | 2 | 2 | 2 | 2 | 0 | 1 | 4 | 1 | 0 | 23 |
| | | | | 11-27 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 6 | 4 | 2 | 2 | 2 | 3 | 1 | 4 | 1 | 0 | 29 |
| 0900 | 0 | 0 | 0 | 1-10 | 1 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 14 |
| | | | | 11-27 | 0 | 3 | 5 | 3 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 16 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 5 | 7 | 5 | 1 | 0 | 0 | 2 | 1 | 3 | 3 | 2 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 13 |
| | | | | 11-27 | 0 | 5 | 1 | 5 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 8 | 3 | 6 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 7 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 5 | 20 |
| | | | | 11-27 | 0 | 4 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 9 | 5 | 4 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 5 | 30 |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 6 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 4 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 6 | 15 | 2 | 1 | 0 | 2 | 0 | 0 | 2 | 2 | 0 | 30 |
| 2100 | 2 | 0 | 0 | 1-10 | 0 | 1 | 11 | 5 | 1 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 11 | 7 | 3 | 2 | 1 | 1 | 1 | 0 | 1 | 0 | 28 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABBASIYA (H.Q.) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 18 | 0 | 0 | 1-10 | 3 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 2 | 1 | 1 | 1 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 2 | 1 | 1 | 1 | 12 |
| 0300 | 23 | 0 | 0 | 1-10 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 7 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 7 |
| 0600 | 17 | 0 | 0 | 1-10 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 2 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 2 | 13 |
| 0900 | 0 | 0 | 0 | 1-10 | 6 | 6 | 6 | 0 | 0 | 0 | 2 | 3 | 1 | 3 | 2 | 1 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 6 | 6 | 0 | 0 | 0 | 2 | 3 | 1 | 3 | 2 | 1 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 6 | 6 | 2 | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 2 | 5 | 29 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 7 | 2 | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 2 | 5 | 30 |
| 1500 | 5 | 0 | 0 | 1-10 | 8 | 6 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 6 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 6 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 6 | 25 |
| 1800 | 7 | 0 | 0 | 1-10 | 8 | 8 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 8 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 23 |
| 2100 | 11 | 0 | 0 | 1-10 | 5 | 2 | 4 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 3 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 4 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 3 | 19 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## MOSTAFA HELMI (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 4 | 6 | 4 | 1 | 1 | 0 | 1 | 1 | 2 | 3 | 0 | 2 | 25 |
| | | | | 11-27 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 6 | 5 | 3 | 1 | 0 | 1 | 1 | 2 | 3 | 0 | 3 | 29 |
| 0300 | 5 | 0 | 0 | 1-10 | 3 | 5 | 3 | 0 | 0 | 1 | 1 | 3 | 2 | 0 | 2 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 5 | 5 | 2 | 0 | 1 | 1 | 3 | 2 | 0 | 3 | 0 | 25 |
| 0600 | 2 | 0 | 0 | 1-10 | 2 | 4 | 2 | 2 | 2 | 1 | 0 | 1 | 1 | 0 | 5 | 1 | 21 |
| | | | | 11-27 | 0 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 6 | 3 | 3 | 2 | 1 | 1 | 1 | 3 | 0 | 5 | 1 | 28 |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 9 |
| | | | | 11-27 | 0 | 5 | 7 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 3 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 6 | 8 | 3 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 5 | 30 |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 9 |
| | | | | 11-27 | 0 | 6 | 4 | 3 | 0 | 0 | 1 | 2 | 0 | 1 | 2 | 2 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 8 | 6 | 4 | 0 | 0 | 1 | 3 | 1 | 2 | 2 | 2 | 30 |
| 1500 | 0 | 0 | 0 | 1-10 | 1 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 10 |
| | | | | 11-27 | 1 | 9 | 5 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 11 | 7 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 3 | 3 | 30 |
| 1800 | 1 | 0 | 0 | 1-10 | 3 | 5 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 14 |
| | | | | 11-27 | 1 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 13 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 29 |
| 2100 | 1 | 0 | 0 | 1-10 | 1 | 17 | 2 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 26 |
| | | | | 11-27 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 17 | 4 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 30 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## GIZA — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 315 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 8 | 0 | 1 | 1-10 | 3 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 9 | 1 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **3** | **0** | **0** | **1** | **0** | **0** | **1** | **1** | **2** | **9** | **1** | **21** |
| 0300 | 12 | 0 | 1 | 1-10 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 7 | 2 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **2** | **0** | **0** | **0** | **1** | **0** | **2** | **0** | **2** | **7** | **2** | **17** |
| 0600 | 3 | 0 | 0 | 1-10 | 2 | 2 | 1 | 0 | 1 | 2 | 2 | 2 | 1 | 3 | 8 | 3 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **2** | **1** | **0** | **1** | **2** | **2** | **2** | **1** | **3** | **8** | **3** | **27** |
| 0900 | 0 | 0 | 1 | 1-10 | 4 | 4 | 3 | 3 | 0 | 2 | 1 | 1 | 1 | 3 | 5 | 2 | 29 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **4** | **3** | **3** | **0** | **2** | **1** | **1** | **1** | **3** | **5** | **2** | **29** |
| 1200 | 0 | 0 | 0 | 1-10 | 7 | 5 | 1 | 2 | 1 | 0 | 0 | 1 | 1 | 2 | 5 | 5 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **5** | **1** | **2** | **1** | **0** | **0** | **1** | **1** | **2** | **5** | **5** | **30** |
| 1500 | 6 | 0 | 0 | 1-10 | 7 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 7 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **3** | **3** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **2** | **7** | **24** |
| 1800 | 3 | 0 | 0 | 1-10 | 11 | 2 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **2** | **3** | **3** | **2** | **0** | **0** | **0** | **0** | **1** | **1** | **4** | **27** |
| 2100 | 7 | 0 | 1 | 1-10 | 2 | 0 | 3 | 1 | 1 | 1 | 0 | 1 | 1 | 2 | 6 | 4 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **3** | **1** | **1** | **1** | **0** | **1** | **1** | **2** | **6** | **4** | **22** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MINYA (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 6 | 0 | 0 | 1-10 | 6 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 20 |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 24 |
| 0300 | 9 | 0 | 0 | 1-10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 19 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 21 |
| 0600 | 6 | 0 | 0 | 1-10 | 10 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 7 | 21 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 7 | 24 |
| 0900 | 1 | 0 | 0 | 1-10 | 8 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 1 | 15 |
| | | | | 11-27 | 6 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 6 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 0 | 3 | 29 |
| 1200 | 0 | 0 | 0 | 1-10 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 3 | 12 |
| | | | | 11-27 | 16 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 18 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 2 | 4 | 30 |
| 1500 | 3 | 0 | 0 | 1-10 | 11 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 2 | 6 | 22 |
| | | | | 11-27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 2 | 6 | 27 |
| 1800 | 5 | 0 | 0 | 1-10 | 9 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 7 | 21 |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 7 | 25 |
| 2100 | 5 | 0 | 0 | 1-10 | 7 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 9 | 19 |
| | | | | 11-27 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 10 | 25 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ASYOUT (A) — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 5 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 4 | 18 | 1 | 0 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **1** | **0** | **0** | **1** | **0** | **0** | **4** | **18** | **1** | **0** | **25** |
| 0300 | 7 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 4 | 15 | 1 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **1** | **0** | **0** | **1** | **1** | **0** | **4** | **15** | **1** | **0** | **23** |
| 0600 | 7 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 16 | 5 | 1 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **16** | **5** | **1** | **23** |
| 0900 | 10 | 0 | 0 | 1-10 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 2 | 7 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **0** | **0** | **0** | **1** | **1** | **0** | **0** | **0** | **4** | **2** | **7** | **20** |
| 1200 | 1 | 0 | 0 | 1-10 | 11 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 3 | 2 | 9 | 27 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **0** | **0** | **0** | **2** | **0** | **0** | **1** | **0** | **3** | **3** | **9** | **29** |
| 1500 | 2 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 5 | 13 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **0** | **0** | **0** | **0** | **3** | **0** | **0** | **0** | **2** | **7** | **13** | **28** |
| 1800 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 1 | 11 | 5 | 3 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **1** | **3** | **0** | **1** | **11** | **5** | **3** | **24** |
| 2100 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 17 | 1 | 1 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **1** | **0** | **1** | **0** | **0** | **3** | **17** | **1** | **1** | **24** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## LUXOR (A) – NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 22 | 0 | 0 | 1–10 | 2 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 8 |
| 0300 | 21 | 0 | 0 | 1–10 | 2 | 2 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 9 |
| 0600 | 22 | 0 | 0 | 1–10 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 8 |
| 0900 | 5 | 0 | 0 | 1–10 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 13 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 13 | 25 |
| 1200 | 0 | 0 | 0 | 1–10 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 13 | 29 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 13 | 30 |
| 1500 | 16 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 8 | 13 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 8 | 14 |
| 1800 | 14 | 0 | 0 | 1–10 | 1 | 1 | 1 | 0 | 1 | 2 | 3 | 1 | 0 | 3 | 2 | 0 | 15 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 2 | 0 | 1 | 2 | 3 | 1 | 0 | 3 | 2 | 0 | 16 |
| 2100 | 15 | 0 | 0 | 1–10 | 3 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 1 | 0 | 1 | 3 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 1 | 0 | 1 | 3 | 15 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**ASWAN – NOVEMBER 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 20 | 0 | 0 | 1-10 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 |
| 0300 | 24 | 0 | 0 | 1-10 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 0600 | 13 | 0 | 0 | 1-10 | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 |
| 0900 | 8 | 0 | 0 | 1-10 | 16 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 16 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 22 |
| 1200 | 7 | 0 | 0 | 1-10 | 12 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 12 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 23 |
| 1500 | 0 | 0 | 0 | 1-10 | 26 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 26 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 30 |
| 1800 | 12 | 0 | 0 | 1-10 | 12 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 17 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 13 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 18 |
| 2100 | 14 | 0 | 0 | 1-10 | 5 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 14 |
| | | | | 11-27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 16 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## SIWA — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 14 | 0 | 0 | 1–10 | 0 | 1 | 1 | 6 | 0 | 1 | 0 | 0 | 0 | 3 | 3 | 0 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 6 | 0 | 2 | 0 | 0 | 0 | 3 | 3 | 0 | 16 |
| 0300 | 18 | 0 | 0 | 1–10 | 0 | 0 | 1 | 3 | 0 | 2 | 0 | 0 | 2 | 2 | 3 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 3 | 1 | 2 | 0 | 0 | 2 | 2 | 3 | 0 | 12 |
| 0600 | 17 | 0 | 0 | 1–10 | 0 | 2 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 3 | 2 | 2 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 3 | 2 | 2 | 13 |
| 0900 | 0 | 0 | 0 | 1–10 | 1 | 0 | 1 | 0 | 2 | 5 | 2 | 2 | 1 | 2 | 2 | 1 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 1 | 4 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 1 | 4 | 8 | 2 | 2 | 1 | 2 | 3 | 5 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 1 | 3 | 0 | 1 | 0 | 2 | 6 | 1 | 0 | 1 | 3 | 0 | 18 |
| | | | | 11–27 | 1 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 1 | 3 | 1 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 0 | 2 | 2 | 4 | 7 | 1 | 0 | 2 | 6 | 1 | 30 |
| 1500 | 0 | 0 | 0 | 1–10 | 0 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 4 | 1 | 1 | 19 |
| | | | | 11–27 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 3 | 3 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 1 | 2 | 2 | 3 | 2 | 2 | 2 | 4 | 4 | 4 | 30 |
| 1800 | 6 | 0 | 0 | 1–10 | 2 | 2 | 1 | 4 | 2 | 1 | 0 | 0 | 0 | 4 | 5 | 1 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 1 | 4 | 2 | 1 | 1 | 0 | 0 | 4 | 5 | 2 | 24 |
| 2100 | 10 | 0 | 0 | 1–10 | 0 | 0 | 2 | 4 | 3 | 1 | 0 | 0 | 0 | 2 | 6 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 3 | 4 | 3 | 1 | 0 | 0 | 0 | 2 | 6 | 1 | 20 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## BAHARIYA — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 21 | 0 | 0 | 1-10 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 9 |
| 0300 | 24 | 0 | 0 | 1-10 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 6 |
| 0600 | 27 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| 0900 | 4 | 0 | 0 | 1-10 | 2 | 3 | 8 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 19 |
| | | | | 11-27 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 11 | 3 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 | 26 |
| 1200 | 2 | 0 | 0 | 1-10 | 8 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 |
| | | | | 11-27 | 1 | 1 | 3 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | 0 | 1 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 4 | 8 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | 0 | 2 | 28 |
| 1500 | 2 | 0 | 0 | 1-10 | 9 | 5 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 22 |
| | | | | 11-27 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 7 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 5 | 28 |
| 1800 | 5 | 0 | 0 | 1-10 | 10 | 7 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 24 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 8 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 25 |
| 2100 | 12 | 0 | 0 | 1-10 | 6 | 4 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 13 |
| | | | | 11-27 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 5 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 18 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DAKHLA — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 13 | 0 | 0 | 1–10 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 5 | 4 | 2 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 5 | 4 | 4 | 17 |
| 0300 | 8 | 0 | 0 | 1–10 | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 7 | 1 | 4 | 2 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 7 | 1 | 5 | 3 | 22 |
| 0600 | 3 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 3 | 8 | 7 | 3 | 26 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 3 | 8 | 8 | 3 | 27 |
| 0900 | 0 | 0 | 0 | 1–10 | 6 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 6 | 23 |
| | | | | 11–27 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 11 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 5 | 4 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 2 | 1 | 3 | 18 |
| | | | | 11–27 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 9 | 4 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 2 | 1 | 9 | 30 |
| 1500 | 1 | 0 | 0 | 1–10 | 4 | 2 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 2 | 6 | 18 |
| | | | | 11–27 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 4 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 2 | 12 | 29 |
| 1800 | 4 | 0 | 0 | 1–10 | 4 | 2 | 2 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 8 | 4 | 25 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 2 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 8 | 4 | 26 |
| 2100 | 4 | 0 | 0 | 1–10 | 3 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 6 | 5 | 4 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 6 | 6 | 4 | 26 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## HURGHADA — NOVEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 1 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 4 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **21** | **6** | **29** |
| 0300 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 1 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **27** | **1** | **29** |
| 0600 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 6 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **21** | **8** | **29** |
| 0900 | 0 | 0 | 0 | 1-10 | 1 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| | | | | 11-27 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **3** | **0** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **6** | **18** | **30** |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 4 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **18** | **4** | **1** | **2** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **2** | **30** |
| 1500 | 1 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 2 | 11 |
| | | | | 11-27 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **12** | **0** | **0** | **0** | **2** | **3** | **0** | **1** | **0** | **0** | **0** | **11** | **29** |
| 1800 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 1 | 4 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **1** | **3** | **1** | **0** | **0** | **1** | **14** | **10** | **30** |
| 2100 | 2 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 | 2 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 13 | 2 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **4** | **18** | **5** | **28** |

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A)—0000 U.T.— NOVEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N. | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 30 | 972mb. | 977mb | 965 mb | 30 | 8.3 | 14.6 | — 0.3 | 30 | 2.5 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 30 | 1505 | 1578 | 1427 | 30 | 8.4 | 18.3 | 0.2 | 30 | — 0.4 |
| 700 ... ... ... ... | 30 | 3077 | 3197 | 2953 | 30 | — 1.6 | 6.2 | — 9.8 | 30 | — 9.8 |
| 600 ... ... ... ... | 30 | 4287 | 4438 | 4122 | 30 | — 8.6 | — 2.7 | —18.2 | 30 | —17.1 |
| 500 ... ... ... ... | 30 | 5693 | 5863 | 5489 | 30 | —16.5 | —11.3 | —25.5 | 30 | —28.5 |
| 400 ... ... ... ... | 30 | 7328 | 7528 | 7067 | 30 | —28.8 | —23.2 | —37.2 | 30 | —34.1 |
| 300 ... ... ... ... | 30 | 9291 | 9534 | 8940 | 30 | —44.4 | —39.2 | —49.9 | 24 | —51.7 |
| 200 ... ... ... ... | 26 | 11911 | 12183 | 11604 | 26 | —57.9 | —49.9 | —63.0 | — | — |
| 150 ... ... ... ... | 25 | 13705 | 13983 | 13478 | 25 | —60.6 | —51.9 | —64.9 | — | — |
| 100 ... ... ... ... | 23 | 16223 | 16476 | 16017 | 23 | —62.6 | —58.7 | —67.8 | — | — |
| 60 ... ... ... ... | 17 | 19368 | 19597 | 19146 | 17 | —60.3 | —56.7 | —62.9 | — | — |
| 40 ... ... ... ... | 12 | 21919 | 22095 | 21800 | 12 | —58.6 | —55.5 | —63.3 | — | — |
| 30 ... ... ... ... | 7 | 23738 | 23939 | 23568 | 7 | —57.4 | —51.0 | —62.4 | — | — |
| 20 ... ... ... ... | 2 | 26175 | 26291 | 26059 | 2 | —60.5 | —56.9 | —64.0 | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A)—1200 U.T — NOVEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N. | Mean | Highest | Lowest | N. | Mean | Highest | Lowest | N. | Mean |
| Surface ... ... ... | 30 | 971mb. | 976mb. | 967mb. | 30 | 18.0 | 27.4 | 5.8 | 30 | 2.5 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 30 | 1508 | 1578 | 1436 | 30 | 8.9 | 18.5 | — 0.7 | 30 | — 4.4 |
| 700 ... ... ... ... | 30 | 3085 | 3200 | 2963 | 30 | — 0.6 | 6.1 | — 9.0 | 30 | —12.0 |
| 600 ... ... ... ... | 30 | 4299 | 4442 | 4141 | 30 | — 7.6 | — 1.3 | —15.8 | 30 | —19.9 |
| 500 ... ... ... ... | 30 | 5693 | 5863 | 5489 | 30 | —16.5 | —11.3 | —25.5 | 30 | —28.5 |
| 400 ... ... ... ... | 30 | 7328 | 7528 | 7067 | 30 | —28.8 | —23.2 | —37.2 | 30 | —34.1 |
| 300 ... ... ... ... | 30 | 9320 | 9558 | 9014 | 30 | —43.5 | —37.3 | —46.8 | 24 | —54.4 |
| 200 ... ... ... ... | 28 | 11949 | 12208 | 11684 | 28 | —57.6 | —49.4 | —62.2 | — | — |
| 150 ... ... ... ... | 25 | 13751 | 13996 | 13558 | 25 | —60.6 | —51.5 | —66.1 | — | — |
| 100 ... ... ... ... | 23 | 16245 | 16545 | 16028 | 23 | —62.6 | —58.4 | —69.9 | — | — |
| 60 ... ... ... ... | 17 | 19363 | 19559 | 19115 | 17 | —62.6 | —57.2 | —68.0 | — | — |
| 40 ... ... ... ... | 7 | 21870 | 22008 | 21549 | 7 | —61.6 | —56.8 | —68.8 | — | — |
| 30 ... ... ... ... | 2 | 23636 | 23714 | 23557 | 2 | —62.8 | —59.0 | —66.6 | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.— UPPER AIR CLIMATOLOGICAL DATA

### MERSA MATRUH (A) — 0000 U.T. — NOVEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 28 | 1012mb | 1018mb | 1005mb | 28 | 16.9 | 19·4 | 14·8 | 28 | 11.7 |
| 1000 ... ... ... ... | 28 | 143 | 194 | 84 | 28 | 16.6 | 21·0 | 14·2 | 28 | 10.6 |
| 850 ... ... ... ... | 28 | 1567 | 1542 | 1453 | 28 | 9.8 | 18·7 | 5·5 | 24 | 0.0 |
| 700 ... ... ... ... | 28 | 3111 | 3152 | 3034 | 28 | 1·1 | 6·5 | — 5·3 | 17 | —11.3 |
| 600 ... ... ... ... | 28 | 4320 | 4370 | 4255 | 28 | — 6·5 | — 0·1 | —12·2 | 12 | —18.9 |
| 500 ... ... ... ... | 28 | 5717 | 5778 | 5640 | 28 | —16·6 | —12·7 | —21·5 | 6 | —25.8 |
| 400 ... ... ... ... | 27 | 7360 | 7411 | 7270 | 27 | —28·8 | —25·4 | —33·4 | 3 | —35.0 |
| 300 ... ... ... ... | 23 | 9367 | 9962 | 9261 | 23 | —44·0 | —40·1 | —52·8 | — | — |
| 200 ... ... ... ... | 19 | 11993 | 12067 | 11859 | 19 | —59·8 | —55.4 | —65·5 | — | — |
| 150 ... ... ... ... | 6 | 13759 | 13815 | 13686 | 6 | —64.5 | —61·9 | —66.4 | — | — |
| 100 ... ... ... ... | 5 | 16223 | 16302 | 16138 | 5 | —67.0 | —63·8 | —69·9 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

### MERSA MATRUH (A) — 1200 U.T. — NOVEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... .. | 28 | 1012mb | 1017mb | 1004mb | 28 | 21·6 | 31·2 | 18·0 | 28 | 12.8 |
| 1000 ... ... ... ... | 28 | 142 | 186 | 76 | 28 | 20·7 | 30·6 | 16·8 | 28 | 12·3 |
| 850 ... ... ... ... | 28 | 1519 | 1572 | 1449 | 28 | 11.2 | 20.0 | 4.5 | 25 | 0·0 |
| 700 ... ... ... ... | 28 | 3111 | 3197 | 3040 | 28 | 2·2 | 8·2 | — 3·8 | 13 | —11·3 |
| 600 ... ... ... ... | 28 | 4337 | 4427 | 4273 | 28 | — 5·9 | 0·4 | —11·5 | 13 | —17.6 |
| 500 ... ... ... ... | 27 | 5739 | 5848 | 5665 | 27 | —15·9 | —10·8 | —22·6 | 3 | —25.6 |
| 400 ... ... ... ... | 25 | 7388 | 7503 | 7264 | 25 | —27·8 | —24·4 | —35·0 | 3 | —39.0 |
| 300 ... ... ... ... | 16 | 9371 | 9549 | 9220 | 16 | —43·8 | —39.9 | —47.3 | — | — |
| 200 ... ... ... ... | 12 | 11995 | 12205 | 11934 | 12 | —59·2 | —55·0 | —62·2 | — | — |
| 150 ... ... ... ... | 8 | 13732 | 13991 | 13619 | 8 | —63.5 | —58·3 | —67.7 | — | — |
| 100 ... ... ... ... | 7 | 16265 | 16316 | 16099 | 7 | —67·3 | —64·0 | —69·0 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... .. ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 0000 U.T. — NOVEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 30 | 1010mb. | 1016mb. | 1005mb. | 30 | 16.1 | 24.3 | 9·6 | 30 | 9·7 |
| 1000 ... ... ... ... | 30 | 158 | 20.2 | 11.3 | 28 | 15.8 | 26·0 | 9·0 | 28 | 9·8 |
| 850 ... ... ... ... | 30 | 1530 | 1578 | 1490 | 29 | 13·8 | 21·6 | 4·2 | 26 | — 0·6 |
| 700 ... ... ... ... | 30 | 3138 | 3203 | 3078 | 29 | 3.1 | 9·6 | — 3·4 | 12 | — 9·1 |
| 600 ... ... ... ... | 30 | 4360 | 4455 | 4285 | 30 | — 4·3 | 4·2 | —11·0 | 7 | —13.4 |
| 500 ... ... ... .. | 30 | 5755 | 5897 | 5667 | 30 | —15·0 | — 9·3 | —21·2 | 5 | —21.3 |
| 400 ... ... ... .. | 30 | 7419 | 7580 | 7275 | 30 | —27.3 | —22·2 | —35·0 | 5 | —34.9 |
| 300 ... ... ... ... | 30 | 9428 | 9624 | 9234 | 30 | —45.4 | —36·4 | —47·2 | — | — |
| 200 ... ... ... ... | 27 | 12075 | 12304 | 11916 | 27 | —58.5 | —50·6 | —64·1 | — | — |
| 150 ... ... ... ... | 17 | 13818 | 13937 | 13663 | 17 | —63.7 | —56.3 | —69.5 | — | — |
| 100 ... ... ... ... | 11 | 16280 | 16404 | 16134 | 11 | —67.5 | —64.3 | —70.6 | — | — |
| 60 ... ... ... ... | 2 | 19362 | 19364 | 19360 | 2 | —65.2 | —65.2 | —65 3 | — | — |
| 40 ... ... ... ... | 2 | 21838 | 21845 | 21830 | 2 | —64.2 | —62.5 | —65.9 | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 1200 U.T. — NOVEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 30 | 1009mb. | 1016mb. | 1004mb. | 30 | 24·6 | 35·2 | 19·0 | 30 | 8.7 |
| 1000 ... ... ... ... | 30 | 152 | 207 | 105 | 30 | 23·8 | 34·7 | 17·7 | 30 | 8·7 |
| 850 ... ... ... ... | 30 | 1538 | 1571 | 1509 | 30 | 11·4 | 20·6 | 3.7 | 27 | — 0·3 |
| 700 ... ... ... ... | 30 | 3134 | 3197 | 3086 | 30 | 3·4 | 8·3 | — 2·0 | 10 | —10.3 |
| 600 ... ... ... ... | 30 | 4369 | 4454 | 4307 | 30 | — 4.5 | 1·3 | —10.3 | 8 | —18.0 |
| 500 ... ... ... ... | 30 | 5779 | 5888 | 5688 | 30 | —14.0 | — 9.0 | —20·4 | 6 | —23.6 |
| 400 ... ... ... ... | 30 | 7436 | 7572 | 7298 | 30 | —26·4 | —21·6 | —33·7 | 3 | —29.2 |
| 300 ... ... ... ... | 29 | 9451 | 9636 | 9270 | 29 | —41·3 | —35·1 | —45.0 | — | — |
| 200 ... ... ... ... | 23 | 12103 | 12355 | 11936 | 23 | —52·7 | —50·1 | —62.2 | — | — |
| 150 ... ... ... ... | 18 | 13879 | 14158 | 13743 | 18 | —62.6 | —57·6 | —65·4 | — | — |
| 100 ... ... ... ... | 13 | 16357 | 16605 | 16237 | 13 | —66.7 | —62·8 | —71·0 | — | — |
| 60 ... ... ... ... | 6 | 19421 | 19465 | 19372 | 6 | —63.4 | —59·7 | —69·4 | — | — |
| 40 ... ... ... ... | 5 | 21940 | 22001 | 21788 | 5 | —57.8 | —51·8 | —71·0 | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 0000 U.T. — NOVEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 27 | 1001mb | 1006mb | 998mb | 27 | 18.3 | 25.2 | 13 0 | 27 | 7.2 |
| 1000 ... ... ... ... | 24 | 117 | 156 | 106 | 24 | 17.5 | 25.2 | 13.0 | 24 | 6.9 |
| 850 ... ... ... ... | 27 | 1507 | 1530 | 1443 | 27 | 14.6 | 21.4 | 6.8 | 23 | 0.8 |
| 700 ... ... ... ... | 27 | 3118 | 3172 | 3072 | 27 | 5.9 | 11.8 | — 2.2 | — | — |
| 600 ... ... ... ... | 27 | 4366 | 4438 | 4300 | 27 | — 5.9 | 4.2 | — 8.6 | — | — |
| 500 ... ... ... ... | 27 | 5809 | 5888 | 5700 | 27 | —10.5 | — 6.3 | —15.7 | — | — |
| 400 ... ... ... ... | 27 | 7482 | 7586 | 7370 | 27 | —22.6 | —19.4 | —26.0 | — | — |
| 300 ... ... ... ... | 27 | 9533 | 9660 | 9428 | 27 | —37.9 | —34.2 | —41.2 | — | — |
| 200 ... ... ... ... | 26 | 12203 | 12384 | 12070 | 26 | —58.0 | —52.3 | —63.9 | — | — |
| 150 ... ... ... ... | 15 | 13949 | 14182 | 13859 | 15 | —67.9 | —62.3 | —73.4 | — | — |
| 100 ... ... ... ... | — | — | — | — | — | — | — | | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN — 1200 U.T. — NOVEMBER 1959

| Pressure surface (millibar) | Heights of pressurs surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1000mb | 1005mb | 997mb | 29 | 31.1 | 40.2 | 22.5 | 29 | 6.1 |
| 1000 ... ... ... ... | 18 | 116 | 149 | 106 | 18 | 29.2 | 34·0 | 21.7 | 18 | 6.5 |
| 850 ... ... ... ... | 29 | 1525 | 1551 | 1501 | 29 | 18.2 | 27.5 | 11.8 | 24 | — 1.2 |
| 700 ... ... ... ... | 29 | 3155 | 3214 | 3108 | 29 | 8.8 | 14.6 | 3.3 | — | — |
| 600 ... ... ... ... | 29 | 4413 | 4504 | 4340 | 29 | 2 0 | 9.6 | — 5.3 | — | — |
| 500 ... ... ... ... | 29 | 5859 | 5985 | 5742 | 29 | — 7.4 | — 2.4 | —14.1 | — | — |
| 400 ... ... ... ... | 29 | 7555 | 7711 | 7402 | 29 | —20.3 | —16.3 | — 26.5 | — | — |
| 300 ... ... ... ... | 29 | 9623 | 9808 | 9426 | 29 | —34.1 | — 32.5 | —40.8 | — | — |
| 200 ... ... ... ... | 27 | 12279 | 12438 | 12117 | 27 | —56.6 | —49.5 | —62.0 | — | — |
| 150 ... ... ... ... | 25 | 14076 | 14258 | 13913 | 25 | — 66.3 | —60 4 | —71.7 | — | — |
| 100 ... ... ... ... | 20 | 16493 | 16612 | 16387 | 20 | —73.4 | —67.7 | —81.0 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N Number of observations of specified pressure surfaces.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 0000 U.T. — NOVEMBER 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... ... | 2773 (30) | 733 (30) | −7.7 (30) | 4060 | 629 | −12.6 | 1470 | 846 | −3.9 | 12611 (24) | 183 (24) | −61.0 (24) | 15530 | 114 | −62.2 | 10410 | 230 | −49.8 | — | — | — | — |
| Mersa Matruh (A) ... ... ... ... ... ... ... | 3302 (27) | 683 (27) | −9.3 (14) | 4260 | 605 | — | 2300 | 770 | −3.0 | 12121 (7) | 200 (7) | −62.2 (7) | 14330 | 138 | −63·7 | 9700 | 280 | −60.6 | 10700 | 243 | 270 | 95 |
| Cairo (A) ... ... ... ... ... ... ... | 3671 (30) | 655 (30) | −8.1 (6) | 4700 | 580 | — | 2600 | 740 | — | 13367 (12) | 166 (12) | −64.0 (12) | 15200 | 119 | −66.5 | 11810 | 230 | −56.0 | 12500 | 187 | 230 | 127 |
| Aswan ... ... ... ... ... ... ... ... ... | 4501 (27) | 610 (27) | — | 5000 | 555 | — | 2800 | 728 | — | — | — | — | — | — | — | — | — | — | 13900 | 156 | 280 | 136 |

N = Total number of observations.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR

### 1200 U.T. — NOVEMBER 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... | 2873 (30) | 716 (30) | —11.7 (30) | 4190 | 620 | —15.1 | 1265 | 870 | —0.1 | 12591 (22) | 184 (22) | —60.4 (22) | 15560 | 114 | —61.8 | 9290 | 288 | —47.0 | 16000 | 103 | 270 | 240 |
| Mersa Matruh (A) ... ... ... ... ... ... | 3374 (27) | 663 (27) | — 3.8 (14) | 4440 | 597 | — | 2600 | 742 | —4.1 | 12450 (5) | 185 (5) | —58.3 (5) | 16540 | 95 | —69.6 | 10830 | 239 | —55.3 | 12580 | — | 250 | 99 |
| Cairo (A) ... ... ... ... ... ... | 3660 (30) | 654 (30) | —11.9 (11) | 4600 | 589 | — | 2060 | 798 | —3.7 | 13390 (13) | 168 (13) | —62.0 (13) | 16338 | 100 | —67.5 | 11300 | 212 | —57.9 | 14530 | — | 250 | 132 |
| Aswan ... ... ... ... ... ... ... ... | 4676 (29) | 587 (29) | — | 5700 | 517 | — | 3570 | 650 | — | 14930 (3) | 132 (3) | —71·5 (3) | 16560 | 100 | —81.0 | 13600 | 161 | —63.9 | 11650 | 220 | 270 | 175 |

N = Total number of observations.

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### ALEPPO (A) — 0000 U.T. — NOVEMBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000—360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345—014 | | 015—044 | | 045—074 | | 075—104 | | 105—134 | | 135—164 | | 165—194 | | 195—224 | | 225—254 | | 255—284 | | 285—314 | | 315—344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 3 | 10 | 1 | 14 | 1 | 34 | 1 | 14 | 0 | — | 1 | 6 | 0 | — | 0 | — | 1 | 4 | 4 | 8 | 3 | 8 | 2 | 8 | 10 | 27 | 6 |
| 1000 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 ... | 1 | 10 | 2 | 12 | 0 | — | 0 | — | 3 | 10 | 2 | 12 | 1 | 16 | 1 | 24 | 5 | 14 | 4 | 12 | 4 | 14 | 0 | — | 0 | 23 | 13 |
| 700 ... | 2 | 24 | 1 | 24 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 32 | 4 | 18 | 2 | 12 | 5 | 14 | 1 | 14 | 0 | 17 | 19 |
| 600 ... | 1 | 26 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 10 | 3 | 20 | 1 | 44 | 0 | 8 | 20 |
| 500 ... | 0 | — | 0 | — | 0 | — | 1 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 20 | 1 | 32 | 1 | 24 | 0 | — | 0 | 4 | 22 |
| 400 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 300 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 200 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 150 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

**TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.**

**ALEPPO (A) — 1200 U.T. — NOVEMBER 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360) ° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (%) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 3 | 10 | 4 | 10 | 4 | 16 | 1 | 6 | 0 | — | 0 | — | 2 | 8 | 6 | 12 | 3 | 6 | 4 | 10 | 0 | — | 0 | — | 2 | 29 | 10 |
| 1000 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... | 4 | 10 | 2 | 8 | 2 | 8 | 2 | 12 | 1 | 8 | 2 | 6 | 1 | 10 | 1 | 14 | 2 | 14 | 6 | 10 | 2 | 8 | 2 | 12 | 0 | 27 | 10 |
| 700 ... ... | 1 | 22 | 0 | — | 1 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 24 | 6 | 16 | 7 | 16 | 3 | 14 | 4 | 16 | 0 | 24 | 17 |
| 600 ... ... | 2 | 20 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 30 | 6 | 26 | 8 | 22 | 2 | 30 | 2 | 28 | 0 | 22 | 26 |
| 500 ... ... | 1 | 30 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 42 | 6 | 22 | 5 | 40 | 3 | 28 | 1 | 62 | 0 | 17 | 33 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 30 | 4 | 48 | 2 | 44 | 2 | 44 | 0 | 12 | 41 |
| 300 ... ... | 1 | 30 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 6 | 2 | 56 | 7 | 46 | 1 | 70 | 1 | 98 | 0 | 13 | 48 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 50 | 7 | 60 | 1 | 110 | 1 | 30 | 0 | 11 | 60 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 74 | 2 | 58 | 0 | — | 0 | 7 | 69 |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

### MERSA MATRUH (A)—1200 U.T.—NOVEMBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | | | |
| Surface ... | 6 | 11 | 3 | 14 | 3 | 12 | 2 | 16 | 0 | — | 1 | 9 | 1 | 10 | 0 | — | 2 | 17 | 0 | — | 4 | 19 | 6 | 15 | 0 | 28 | 14 |
| 1000 ... ... | 6 | 9 | 2 | 12 | 2 | 14 | 0 | — | 2 | 16 | 1 | 15 | 1 | 13 | 1 | 9 | 1 | 13 | 1 | 19 | 3 | 20 | 4 | 14 | 0 | 24 | 13 |
| 850 ... ... | 4 | 12 | 0 | — | 2 | 10 | 0 | — | 3 | 12 | 0 | — | 1 | 21 | 1 | 7 | 2 | 8 | 6 | 19 | 2 | 11 | 5 | 15 | 0 | 26 | 14 |
| 700 ... ... | 3 | 15 | 3 | 15 | 0 | — | 2 | 8 | 0 | — | 0 | — | 0 | — | 2 | 23 | 5 | 25 | 3 | 24 | 6 | 17 | 1 | 32 | 0 | 25 | 19 |
| 600 ... ... | 1 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 12 | 2 | 28 | 6 | 27 | 4 | 40 | 10 | 16 | 1 | 34 | 0 | 25 | 24 |
| 500 ... ... | 1 | 16 | 0 | — | 1 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 37 | 3 | 47 | 8 | 35 | 6 | 27 | 3 | 23 | 0 | 23 | 32 |
| 400 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 39 | 2 | 39 | 8 | 38 | 4 | 33 | 2 | 29 | 0 | 18 | 36 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 45 | 2 | 36 | 4 | 49 | 1 | 26 | 2 | 39 | 0 | 10 | 42 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 64 | 2 | 68 | 1 | 71 | 1 | 22 | 0 | 5 | 59 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 60 | 0 | — | 0 | — | 1 | 23 | 0 | 2 | 42 |
| 100 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 71 | 0 | — | 1 | 38 | 0 | — | 0 | 2 | 54 |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

N.B.—Upper wind observations are confined to 1200 U.T. only due to some technical defects in the operation of the radiotheodolite.

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### CAIRO (A). — 0000 U.T. — NOVEMBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 0 | — | 3 | 3 | 8 | 5 | 4 | 6 | 3 | 8 | 1 | 5 | 1 | 3 | 1 | 7 | 2 | 8 | 0 | — | 1 | 1 | 1 | 2 | 5 | 30 | 4 |
| 1000... ... | 2 | 6 | 7 | 11 | 8 | 11 | 2 | 14 | 1 | 6 | 1 | 4 | 0 | — | 0 | — | 2 | 10 | 2 | 10 | 0 | — | 2 | 8 | 0 | 27 | 10 |
| 850... ... | 4 | 10 | 6 | 16 | 3 | 22 | 1 | 27 | 1 | 17 | 0 | — | 0 | — | 2 | 14 | 2 | 24 | 3 | 13 | 2 | 12 | 4 | 14 | 0 | 28 | 16 |
| 700... ... | 4 | 12 | 2 | 10 | 0 | — | 0 | — | 1 | 4 | 1 | 8 | 1 | 17 | 1 | 29 | 4 | 36 | 4 | 18 | 8 | 25 | 3 | 14 | 0 | 29 | 21 |
| 600... ... | 1 | 7 | 3 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 32 | 6 | 21 | 6 | 34 | 6 | 18 | 0 | 29 | 23 |
| 500... ... | 2 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 48 | 13 | 27 | 7 | 30 | 2 | 28 | 0 | 30 | 31 |
| 400... ... | 1 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 52 | 15 | 39 | 7 | 31 | 2 | 42 | 0 | 29 | 38 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 46 | 16 | 50 | 6 | 48 | 2 | 42 | 0 | 26 | 49 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 48 | 11 | 71 | 3 | 78 | 2 | 80 | 0 | 17 | 72 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 6 | 73 | 2 | 98 | 0 | — | 0 | 8 | 79 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ⋮ | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### CAIRO (A) — 1200 U.T. — NOVEMBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 7 | 9 | 3 | 11 | 7 | 10 | 0 | — | 0 | — | 0 | — | 1 | 10 | 1 | 14 | 3 | 14 | 5 | 15 | 2 | 12 | 1 | 9 | 0 | 30 | 11 |
| 1000 ... ... | 7 | 12 | 4 | 14 | 6 | 14 | 0 | — | 0 | — | 0 | — | 1 | 16 | 2 | 14 | 0 | — | 4 | 14 | 3 | 8 | 3 | 11 | 0 | 30 | 12 |
| 850 ... ... | 2 | 14 | 6 | 12 | 5 | 18 | 3 | 14 | 0 | — | 1 | 8 | 1 | 17 | 3 | 11 | 3 | 22 | 1 | 20 | 1 | 20 | 4 | 8 | 0 | 30 | 14 |
| 700 ... ... | 6 | 13 | 3 | 12 | 2 | 10 | 0 | — | 0 | — | 1 | 13 | 1 | 16 | 2 | 22 | 3 | 24 | 6 | 26 | 4 | 18 | 2 | 32 | 0 | 30 | 19 |
| 600 ... ... | 3 | 10 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 31 | 2 | 37 | 10 | 27 | 5 | 15 | 7 | 19 | 0 | 30 | 23 |
| 500 ... ... | 1 | 7 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 35 | 6 | 41 | 12 | 33 | 4 | 18 | 6 | 26 | 0 | 30 | 30 |
| 400 ... ... | 1 | 22 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 31 | 4 | 54 | 12 | 50 | 11 | 32 | 1 | 22 | 0 | 30 | 40 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 76 | 15 | 50 | 7 | 47 | 1 | 23 | 0 | 26 | 51 |
| 200 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 0 | 10 | 64 | 5 | 76 | 0 | — | 0 | 15 | 68 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 0 | 6 | 80 | 1 | 88 | 0 | — | 0 | 7 | 81 |
| 100 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | 0 | 4 | 78 | 0 | — | 0 | — | 0 | 4 | 78 |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### ASWAN — 0000 U.T. — NOVEMBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 7 | 6 | 5 | 6 | 1 | 5 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 14 | 27 | 3 |
| 1000... ... | 6 | 6 | 5 | 6 | 1 | 5 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 12 | 24 | 3 |
| 850... ... | 4 | 11 | 5 | 14 | 5 | 10 | 5 | 9 | 0 | — | 2 | 6 | 0 | — | 1 | 8 | 0 | — | 2 | 6 | 2 | 10 | 1 | 10 | 0 | 27 | 10 |
| 700... ... | 1 | 15 | 3 | 8 | 1 | 5 | 2 | 6 | 1 | 10 | 1 | 7 | 0 | — | 3 | 10 | 1 | 18 | 7 | 11 | 5 | 8 | 2 | 18 | 0 | 27 | 10 |
| 600... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 4 | 1 | 13 | 5 | 13 | 11 | 28 | 5 | 11 | 3 | 14 | 0 | 27 | 18 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 10 | 0 | — | 0 | — | 0 | — | 3 | 19 | 16 | 31 | 5 | 17 | 1 | 30 | 1 | 27 | 25 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 32 | 21 | 43 | 3 | 36 | 0 | — | 1 | 27 | 40 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 42 | 18 | 53 | 7 | 42 | 1 | 31 | 0 | 27 | 49 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 14 | 74 | 5 | 43 | 3 | 55 | 0 | 22 | 65 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 9 | 70 | 2 | 31 | 2 | 54 | 0 | 13 | 62 |
| 100... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## ASWAN. — 1200 U.T. — NOVEMBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 10 | 5 | 2 | 4 | 0 | — | 2 | 8 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 5 | 12 | 29 | 3 |
| 1000... ... | 9 | 5 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 6 | 0 | — | 0 | — | 0 | — | 3 | 5 | 5 | 18 | 4 |
| 850... ... | 6 | 9 | 3 | 9 | 4 | 5 | 5 | 10 | 1 | 5 | 1 | 3 | 0 | — | 2 | 8 | 2 | 6 | 1 | 9 | 3 | 9 | 1 | 8 | 0 | 29 | 8 |
| 700... ... | 2 | 8 | 2 | 6 | 2 | 8 | 1 | 4 | 2 | 5 | 0 | — | 0 | — | 2 | 10 | 5 | 8 | 4 | 11 | 6 | 10 | 3 | 14 | 0 | 29 | 9 |
| 600... ... | 0 | — | 1 | 4 | 1 | 4 | 1 | 8 | 0 | — | 0 | — | 0 | — | 2 | 12 | 7 | 17 | 10 | 14 | 5 | 25 | 1 | 21 | 1 | 29 | 15 |
| 500... ... | 0 | — | 0 | — | 1 | 5 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 8 | 25 | 14 | 29 | 5 | 25 | 1 | 14 | 0 | 29 | 25 |
| 400... ... | 1 | 17 | 1 | 16 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 46 | 1 | 30 | 15 | 45 | 6 | 34 | 3 | 40 | 1 | 29 | 38 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 60 | 18 | 51 | 6 | 46 | 3 | 42 | 0 | 28 | 64 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 16 | 66 | 7 | 62 | 2 | 54 | 0 | 25 | 55 |
| 150... ... | 0 | — | 0 | — | 0 | — | 1 | 24 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 14 | 65 | 2 | 56 | 2 | 33 | 0 | 19 | 58 |
| 100... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 8 | 56 | 3 | 72 | 0 | — | 0 | 11 | 60 |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

## NOVEMBER 1959

This month was dry and rather cold in general, as compared with the normal values of rainfall and temperature at Giza during November. The mean values of air temperature at 2 metres above ground, relative humidity and rainfall were slightly below normal (–0.3°C, –8% and – 3.9mms. respectively). The month was characterized by a pronounced short warm wave at the beginning of the month (the absolute maximum 37.8°C on the 2nd) followed by a prolonged rather cold period. The absolute minimum temperature at 5cms. over grass was – 1.4°C on the 30th, which is an outstanding feature of the month.

The maximum soil temperatures at depths between 0.3 and 20 cms. in the dry and wet fields were generally higher than the corresponding values of last November, while through deeper layers the maximum temperatnres were slightly lower than last year in general. The minimum soil temperatures in both fields were lower than the corresponding values of last year in general.

For the month as a whole, the mean Piche evaporation (8·3 mms.) was 0.8 mms. less, the mean wind speed at 2 metres above ground (1.9 m./sec.) was 0.3 m./sec. less and the total duration of bright sunshine (272.8 hours) was 29 hours greater than the corresponding values of November 1958.

## TABLE C 1.—AIR TEMPERATURE AT 2 METRES ABOVE GROUND ; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5 cms. ABOVE GROUND ON DIFFERENT FIELDS

## GIZA — NOVEMBER 1959.

| Date | Air temperature (°C) | | | | | Duration in hours of air temperature above the following values | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Mean of the day | Night time mean | Day time mean | —5 °C | 0°C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40 °C | 45°C |
| 1 | 33.5 | 15.2 | 23.0 | 20 | 26 | 24 | 24 | 24 | 24 | 24 | 15 | 10 | 5 | 0 | 0 | 0 |
| 2 | 37.8 | 13.0 | 22.7 | 22 | 28 | 24 | 24 | 24 | 24 | 16 | 13 | 9 | 5 | 2 | 0 | 0 |
| 3 | 37.2 | 10.2 | 23.7 | 19 | 29 | 24 | 24 | 24 | 24 | 18 | 16 | 10 | 6 | 4 | 0 | 0 |
| 4 | 28.7 | 13.6 | 20.4 | 22 | 24 | 24 | 24 | 24 | 24 | 23 | 15 | 6 | 0 | 0 | 0 | 0 |
| 5 | 26.6 | 12.2 | 18.7 | 17 | 22 | 24 | 24 | 24 | 24 | 15 | 9 | 2 | 0 | 0 | 0 | 0 |
| 6 | 26.4 | 10.9 | 18.0 | 15 | 21 | 24 | 24 | 24 | 24 | 16 | 9 | 1 | 0 | 0 | 0 | 0 |
| 7 | 25.8 | 11.9 | 18.7 | 17 | 21 | 24 | 24 | 24 | 24 | 17 | 11 | 1 | 0 | 0 | 0 | 0 |
| 8 | 26.6 | 12.4 | 18.5 | 17 | 21 | 24 | 24 | 24 | 24 | 16 | 12 | 2 | 0 | 0 | 0 | 0 |
| 9 | 29.2 | 13.4 | 19.5 | 18 | 23 | 24 | 24 | 24 | 24 | 19 | 10 | 6 | 0 | 0 | 0 | 0 |
| 10 | 30.1 | 14.7 | 20.6 | 18 | 24 | 24 | 24 | 24 | 24 | 24 | 13 | 6 | 0 | 0 | 0 | 0 |
| 11 | 25.2 | 14.8 | 18.8 | 18 | 21 | 24 | 24 | 24 | 24 | 24 | 10 | 0 | 0 | 0 | 0 | 0 |
| 12 | 23.7 | 12.0 | 17·4 | 16 | 20 | 24 | 24 | 24 | 24 | 16 | 10 | 0 | 0 | 0 | 0 | 0 |
| 13 | 24.0 | 11.2 | 17.1 | 16 | 20 | 24 | 24 | 24 | 24 | 15 | 9 | 0 | 0 | 0 | 0 | 0 |
| 14 | 29.7 | 9.1 | 18.7 | 15 | 23 | 24 | 24 | 24 | 24 | 16 | 11 | 6 | 0 | 0 | 0 | 0 |
| 15 | 25.5 | 10.4 | 17.4 | 17 | 21 | 24 | 24 | 24 | 24 | 16 | 8 | 1 | 0 | 0 | 0 | 0 |
| 16 | 23.9 | 13.8 | 17.9 | 16 | 19 | 24 | 24 | 24 | 24 | 18 | 6 | 0 | 0 | 0 | 0 | 0 |
| 17 | 24.0 | 12.2 | 17.6 | 17 | 20 | 24 | 24 | 24 | 24 | 17 | 9 | 0 | 0 | 0 | 0 | 0 |
| 18 | 24.6 | 12.7 | 17.2 | 16 | 20 | 24 | 24 | 24 | 24 | 15 | 8 | 0 | 0 | 0 | 0 | 0 |
| 19 | 24.0 | 11.3 | 16.8 | 16 | 19 | 24 | 24 | 24 | 24 | 14 | 8 | 0 | 0 | 0 | 0 | 0 |
| 20 | 24.1 | 11·0 | 17.0 | 15 | 19 | 24 | 24 | 24 | 24 | 15 | 9 | 0 | 0 | 0 | 0 | 0 |
| 21 | 23.3 | 11.0 | 16.0 | 15 | 19 | 24 | 24 | 24 | 24 | 15 | 7 | 0 | 0 | 0 | 0 | 0 |
| 22 | 22.5 | 9·9 | 15.8 | 14 | 18 | 24 | 24 | 24 | 24 | 15 | 7 | 0 | 0 | 0 | 0 | 0 |
| 23 | 23.9 | 10.6 | 16.2 | 15 | 19 | 24 | 24 | 24 | 24 | 15 | 8 | 0 | 0 | 0 | 0 | 0 |
| 24 | 24.8 | 10.4 | 16.6 | 15 | 20 | 24 | 24 | 24 | 24 | 15 | 9 | 0 | 0 | 0 | 0 | 0 |
| 25 | 21.5 | 10.0 | 15.4 | 17 | 18 | 24 | 24 | 24 | 24 | 14 | 3 | 0 | 0 | 0 | 0 | 0 |
| 26 | 21.7 | 7.7 | 14.1 | 12 | 17 | 24 | 24 | 24 | 18 | 11 | 5 | 0 | 0 | 0 | 0 | 0 |
| 27 | 21.1 | 8.3 | 14.0 | 13 | 17 | 24 | 24 | 24 | 19 | 12 | 4 | 0 | 0 | 0 | 0 | 0 |
| 28 | 20.8 | 8.3 | 14.2 | 13 | 17 | 24 | 24 | 24 | 22 | 14 | 3 | 0 | 0 | 0 | 0 | 0 |
| 29 | 20.8 | 9.4 | 14.6 | 15 | 18 | 24 | 24 | 24 | 23 | 11 | 3 | 0 | 0 | 0 | 0 | 0 |
| 30 | 20.7 | 4.3 | 11.6 | 10 | 15 | 24 | 24 | 24 | 13 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total ... | — | — | — | — | — | 720 | 720 | 720 | 695 | 485 | 265 | 60 | 16 | 6 | 0 | 0 |
| Mean ... | 25.7 | 11.1 | 17.6 | 16.2 | 20.6 | 24 | 24 | 24 | 23.1 | 16.1 | 8.8 | 2.0 | 0.5 | 0.2 | 0 | 0 |

Highest maximum at 2 metres 37.8 °C on 2 nd. Highest minimum at 2 metres 15.2 °C on 1st.
Lowest „ „ „ 20.7 °C on 30 th. Lowest „ „ 2 „ [4.4 °C on 30th.
Absolute minimum temperature at 5 cms. above dry soil +0.6 °C on 30th.
„ „ „ „ „ wet „ +2.0 °C „ 30 th
„ „ „ „ „ grass —1.4 °C „ 30 th

## TABLE C 2.—WIND SPEED, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, (SOLAR + SKY) RADIATION, SUNSHINE DURATION, EVAPORATION AND RAINFALL

### GIZA— NOVEMBER 1959

| Date | Wind speed metres per second | | | Solar + sky radiation gm. cal./cm² | Duration of bright sunshine in hours | | | Relative humidity hours of duration | | Relative humidity % | | Vapour pressure in millimetres | | Evaporation in millimetres | | Amount of rainfall in millimetres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean of the day | Night time mean | Day time mean | | Total actual | Total possible | Percentage % | > 90% | > 80% | Mean of the day | at 1200 U.T. | Mean of the day | at 1200 U.T. | Piche | Pan class (A) | |
| 1 | 1.9 | 1.5 | 2.6 | 327 | 9.5 | 11.0 | 86 | 5 | 8 | 62 | 27 | 11.0 | 9.8 | 14.8 | 7.77 | 0 |
| 2 | 1.4 | 1.5 | 1.3 | 337 | 10.0 | 11.0 | 91 | 0 | 2 | 59 | 13 | 9.3 | 6.1 | 11.6 | 6.04 | • |
| 3 | 1.0 | 0.2 | 2.2 | 360 | 10.3 | 11.0 | 94 | 0 | 4 | 32 | 13 | 6.6 | 5.8 | 16.4 | 8.06 | • |
| 4 | 1.6 | 0.9 | 2.5 | 356 | 10.2 | 10.9 | 94 | 0 | 0 | 56 | 34 | 9.6 | 9.5 | 10.1 | 6.70 | • |
| 5 | 1.7 | 0.7 | 3.0 | 337 | 10.0 | 10.9 | 92 | 0 | 4 | 61 | 32 | 9.1 | 7.6 | 9.2 | 4.66 | 0 |
| 6 | 0.7 | 0.2 | 1.4 | 320 | 9.3 | 10.9 | 85 | 6 | 8 | 70 | 45 | 10.8 | 10.1 | 6.1 | 5.52 | • |
| 7 | 1.2 | 0.6 | 2.1 | 298 | 9.1 | 10.9 | 83 | 5 | 8 | 71 | 41 | 10.9 | 9.5 | 7.6 | 4.10 | 0 |
| 8 | 1.9 | 1.4 | 2.6 | 276 | 5.9 | 10.8 | 55 | 5 | 9 | 79 | 43 | 11.7 | 10.5 | 8.4 | 4.96 | • |
| 9 | 1.5 | 1.7 | 1.2 | 291 | 7.7 | 10.8 | 71 | 6 | 10 | 74 | 41 | 12.1 | 10.9 | 5.6 | 4.11 | • |
| 10 | 1.0 | 0.4 | 2.0 | 323 | 8.7 | 10.8 | 81 | 9 | 10 | 76 | 26 | 11.0 | 7.6 | 8.1 | 5.81 | • |
| 11 | 1.6 | 1.3 | 2.0 | 333 | 9.8 | 10.8 | 91 | 7 | 9 | 78 | 46 | 11.5 | 10.5 | 6.4 | 4.37 | • |
| 12 | 1.3 | 0.6 | 2.3 | 307 | 9.6 | 10.7 | 90 | 5 | 9 | 73 | 46 | 10.3 | 9.6 | 7.3 | 5.02 | 0 |
| 13 | 1.4 | 0.9 | 2.0 | 312 | 9.8 | 10.7 | 92 | 5 | 8 | 66 | 37 | 8.7 | 8.0 | 7.1 | 4.04 | • |
| 14 | 1.6 | 0.3 | 3.4 | 307 | 8.4 | 10.7 | 79 | 1 | 7 | 54 | 31 | 8.6 | 8.8 | 10.5 | 5.43 | • |
| 15 | 1.9 | 0.5 | 3.8 | 339 | 10.1 | 10.7 | 94 | 0 | 4 | 54 | 29 | 7.5 | 6.6 | 13.0 | 5.24 | 0 |
| 16 | 1.6 | 1.6 | 1.5 | 204 | 4.1 | 10.7 | 38 | 0 | 1 | 62 | 59 | 10.3 | 11.4 | 5.7 | 2.77 | 0.1 |
| 17 | 1.9 | 1.1 | 3.1 | 306 | 9.1 | 10.6 | 86 | 2 | 10 | 75 | 50 | 11.1 | 10.7 | 7.4 | 4.86 | 0 |
| 18 | 2.6 | 1.6 | 4.1 | 285 | 9.5 | 10.6 | 90 | 1 | 10 | 78 | 52 | 10.9 | 11.1 | 8.3 | 5.73 | 0 |
| 19 | 2.6 | 1.7 | 3.9 | 262 | 9.8 | 10.6 | 92 | 5 | 10 | 80 | 51 | 11.0 | 10.8 | 6.8 | 4.39 | 0 |
| 20 | 2.7 | 1.4 | 4.4 | 307 | 9.3 | 10.6 | 88 | 5 | 10 | 78 | 52 | 11.1 | 10.9 | 8.0 | 5.15 | 0 |
| 21 | 2.5 | 1.6 | 3.8 | 291 | 9.6 | 10.6 | 91 | 2 | 9 | 78 | 50 | 10.0 | 10.1 | 7.4 | 4.37 | 0 |
| 22 | 2.1 | 1.2 | 3.4 | 280 | 9.3 | 10.5 | 89 | 5 | 8 | 79 | 52 | 10.5 | 10.3 | 6.5 | 4.92 | 0 |
| 23 | 2.5 | 1.8 | 3.4 | 298 | 9.5 | 10.5 | 90 | 4 | 9 | 80 | 50 | 10.6 | 10.4 | 6.8 | 4.93 | • |
| 24 | 2.5 | 1.7 | 3.6 | 293 | 9.3 | 10.5 | 89 | 8 | 11 | 80 | 45 | 10.4 | 10.0 | 8.2 | 4.88 | 0 |
| 25 | 3.8 | 2.6 | 5.6 | 315 | 9.7 | 10.5 | 92 | 3 | 8 | 62 | 41 | 7.9 | 7.5 | 11.2 | 6.40 | 0 |
| 26 | 3.0 | 2.3 | 4.0 | 295 | 9.6 | 10.5 | 91 | 1 | 8 | 76 | 47 | 8.9 | 8.7 | 7.1 | 4.09 | 0 |
| 27 | 2.0 | 1.2 | 3.1 | 303 | 9.1 | 10.4 | 88 | 3 | 10 | 79 | 51 | 9.2 | 9.0 | 5.7 | 3.89 | • |
| 28 | 1.5 | 0.8 | 2.6 | 307 | 9.4 | 10.4 | 90 | 1 | 11 | 78 | 55 | 9.6 | 9.5 | 4.9 | 2.43 | • |
| 29 | 2.7 | 1.0 | 5.0 | 274 | 8.0 | 10.4 | 77 | 2 | 8 | 69 | 48 | 8.5 | 8.5 | 8.1 | 5.17 | tr. |
| 30 | 1.4 | 1.1 | 1.8 | 278 | 9.1 | 10.4 | 88 | 5 | 10 | 74 | 41 | 7.3 | 6.5 | 4.6 | 2.33 | • |
| TOTAL ... | — | — | — | 9121 | 272.8 | 320.4 | 2557 | 101 | 233 | — | — | — | — | 248.9 | 148.14 | 0.1 |
| Mean ... | 1.9 | 1.2 | 2·9 | 304 | 9·1 | 10.7 | 85 | 3.4 | 7.8 | 70 | 42 | 9.9 | 9.2 | 8.3 | 4.94 | 0.0 |

**Maximum amount of rainfall in one day** ..... 0.1 mms. on 16th
**Lowest value of relative humidity** ..... 11 % on 2nd
**Highest value of vapour pressure** ..... 14.4 mms. on 10th.
**Lowest value of vapour pressure** ..... 5.3 mms. on 15th & 28th

## TABLE C 3.—EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

### GIZA—NOVEMBER 1959

| Depth in cms. | Dry soil | | Wet soil | | Grass | |
|---|---|---|---|---|---|---|
| | Highest °C | Lowest °C | Highest °C | Lowest °C | Highest °C | Lowest °C |
| 0.3 | 47·8 | 3.3 | 31.0 | 6.0 | 26.7 | 9.4 |
| 1 | 45.6 | 4.6 | 29.0 | 6.4 | — | — |
| 2 | 43.6 | 6.9 | 27.5 | 7.0 | — | — |
| 5 | 35.0 | 10.9 | 25.4 | 8.3 | 21.4 | 11.2 |
| 10 | 29.5 | 16.8 | 23.4 | 11.3 | 20.0 | 12.0 |
| 20 | 23.6 | 16.5 | 21.3 | 14.0 | 19.8 | 14.3 |
| 50 | 26.3 | 22.2 | 20.8 | 17.2 | 22.0 | 18.8 |
| 100 | 27.3 | 24.8 | 21.6 | 19.4 | 22.8 | 20.8 |
| 200 | 27.9 | 26.5 | 22.8 | 21.6 | — | — |
| 300 | 26.9 | 26.4 | — | — | — | — |

## TABLE C 4.—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES REACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

### GIZA—NOVEMBER 1959

| | | | | | |
|---|---|---|---|---|---|
| 10 Knots or more ... | 22 Days. | | 30 Knots or more ... | 0 Days. | |
| 15 „ „ ... | 4 „ | | 35 „ „ ... | 0 „ | |
| 20 „ „ ... | 1 „ | | 40 „ „ ... | 0 „ | |
| 25 „ „ ... | 0 „ | | The highest gust 24 knots on 25th, & 29th | | |

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# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 12

## DECEMBER, 1959

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CAIRO–EGYPT

UNITED ARAB REPUBLIC

# MONTHLY WEATHER REPORT

VOLUME 2 NUMBER 12

## DECEMBER, 1959

MINISTRY OF WAR—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

# CONTENTS


PAGE

General Summary of Weather Conditions ... ... .. ... ... ... ... ... ... ... 701–704

**Surface Data**

TABLE A 1.—Monthly Mean Values of Atmospheric Pressure, Air Temperature and Relative Humidity at Fixed Hours... ... ... ... ... ... ... ... ... 705,706

„ A 2.—Maximum and Minimum Air Temperatures (°C) ... ... ... ... ... ... 707,708

„ A 3.—Rainfall, Snow, Bright Sunshine, Cloudiness and Evaporation ... ... ... 709,710

„ A 4.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... 711

„ A 5.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... ... ... .. ... 712–714

„ A 6.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours ... ... ... 715–746

**Upper Air Data**

TABLE B 1.—Upper Air Climatological Data ... ... ... ... ... ... ... ... ... ... 747–750

„ B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air ... ... ... ... ... ... ... 751,752

„ B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. 753–760

**Agro-Meteorological Data**

Review of Agro-Meteorological Station at Giza ... ... ... ... ... ... 761

TABLE C 1.—Air Temperature at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5cms. above Ground on Different Fields ... ... ... 762

„ C 2.—Wind Speed, Relative Humidity and Vapour Pressure at 2 Metres above the Ground, (Solar + Sky) Radiation, Sunshine Duration, Evaporation and Rainfall .. ... ... ... ... ... ... ... ... ... ... ... ... ... ... 763

„ C 3.—Extreme Soil Temperatures at Different Depths in Different Fields ... ... 764

„ C 4.—Number of Days of Surface Wind Speed at 10 Metres Reaching Specified Limits of Velocity for at Least 5 Minutes ... ... ... ... ... ... ... 764


*Note.*—Refer to volume 2 number 1 for the list of stations appearing in the report and for explanatory notes on the tables.

# GENERAL SUMMARY OF WEATHER CONDITIONS

## DECEMBER 1959

**Mostly warm till the 18th, mild otherwise. Light rain through the 1st ten days and most of the last ten days.**

---

### THE MAIN FEATURES

—Two prevailing warm regimes.

—Subnormal rainfall amounts.

—Four transitory coastal secondary depressions through East Mediterranean from the west.

### GENERAL DESCRIPTION OF WEATHER

The prevailing weather during the month was mostly warm the first two weeks and a great part of the 3rd week while it was rather mild otherwise. Remarkable warmth was enjoyed round the period (13th — 19th) in the Southern Region, the Coastal and Western Inland districts of the Northern Region, but was round the period (2nd — 13th) in the other districts of the Northern Region. The rise of maximum temperatures above their normals ranged between 4 °C and 8 °C with in the warm prevailing periods. The North Eastern and El Gezira districts of the Northern Region enjoyed an additional warm period round the end of the month.

The monthly district station ground barometric pressure was rather normal in the Southern Region districts where its departure round normal did not exceed 0.5 mb. In the Northern Region it was above its normal and its departure did not exceed 2.5 mb.

The monthly district relative humidity was to a moderate extent below normal in the Northern Region districts where its deviation ranged between 10 % and 25%. In the Southern Region it was slightly below normal and its departure did not exceed 7% with the exception of Upper Egypt district where it was rather normal (+1.3%).

The monthly district maximum temperature was generally above normal and its departure ranged between 0.5 °C and 1.0 °C in the Southern Region and ranged between 1.0°C and 2.5 °C in the Northern Region. The monthly district minimum temperature was slightly above normal in the Northern Region with the exception of the Western Inland and the Desert districts where it was subnormal, but it was slightly below normal in the Southern Region with the exception of Lower Egypt and Cairo area districts where it was slightly above normal.

The monthly district rainfall was nearly subnormal over all districts with the exception of Cairo area district where it was slightly ( + 3.2 mms.) above normal. Rainfall in the Northern Region was deficient in particular at the Coastal district (— 53.2 mms), the Western Inland district (— 49.5 mms), El Gezeira district (— 25.7 mms) and the North Eastern district (— 50.0 mms). In the Southern Region, it was deficient in the Mediterranean district (— 21.4 mms).

The mean daily relative humidity in the Northern Region was 60% at Jableh, 65% at Aleppo, 67% at Damascus, 72% at Homs, 62% at Deir Ezzor and 47% at Qamishlie. In the Southern Region it attained 62% at Mersa Matruh, 70% at Alexandria, 68% at Port Said, 61% at Tanta, 58% at Cairo, 55% at Almaza, 66% at Minya, 48% at Asyout, 54% at Luxor, 58% at Siwa and 64% at Suez.

### PRESSURE DISTRIBUTION

This month started with a deep West Mediterranean depression of large vertical structure that extended through upper levels up to more than 500 mb. level, together with the Siberian anticyclonic SW ridge that was operating over East Mediterranean and NE Africa. This deep depression proceeded eastwards and by the 3rd it was centred over Central Mediterranean, while a shallow secondary developed over Cyrenica at its SE vicinity. On the 4th, this secondary shallow coastal depression reached Cyprus where it filled up totally on the 5th. As a consequent, the barometric pressure over East Mediterranean, particularly the coastal areas, fell remarkably on the 4th (from 6 to 12 mb. below normal)

and rose rapidly by more or less the same magnitude on the 6th when the SW anticyclonic Siberian ridge rebuilt over East Mediterranean.

The deep depression over Central Mediterranean on the other hand shooted violently eastwards through East Mediterranean round the 7th where a minor drop in the barometric pressure was observed.

Between the 8th and 14th, the Siberian anticyclonic SW ridge established over East Mediterranean and North Africa regions where the barometric pressure continued above normal.

On the 15th, a second coastal secondary depression developed over Cyrenica and traversed East Mediterranean by the 16th. On the 17th, a deep secondary depression of large vertical structure up to 500 mb. level appeared over Tunisia at the southern limits of a deep northern low pressure system. It experienced a NE ward displacement on the 18th towards Central Mediterranean while a shallow desert disturbance (the second during this month) appeared at its far east trough over Western Desert. On the 19th, the main secondary depression was stationary while the coastal secondary shooted NE wards towards Cyprus. By the 21st, the depression over Central Mediterranean proceeded eastwards and traversed East Mediterranean. Within this period, the barometric pressure over East Mediterranean experienced two appreciable falls round the 16th and 19th and a minor fall round the 21st.

High pressure reestablished over East Mediterranean and NE Africa from the 22nd to the 28th and the barometric pressure over East Mediterranean coastal areas was above normal.

The last Mediterranean secondary depression during this month developed on the 29th over Greece at the foot of a deep northern low pressure system. It approached rapidly East Mediterranean where it was accompanied by a marked drop in the barometric pressure.

## SURFACE WIND

### NORTHERN REGION

The prevailing winds were SEly to NEly in the Coastal, the Desert and EL Gezeira districts, Nly to Ely in the southern and central parts of the Western Inland district, SWly to Wly in the northern parts of the Western Inland district and NWly to Nly in the North Eastern district.

Winds were light to moderate in general but moderate to fresh in the southern part of the Western Inland district and Coastal district where occasional gales were also observed.

Gales were reported on four days at Bouka and two days at Tartous.

### SOUTHERN REGION

The prevailing winds were almost Nly in the Red Sea district, NWly in Upper Egypt and NEly in the northern districts. Winds blew from the E and the S directions in advance of the travelling coastal secondaries and veered rapidly and blew from the SW and the W directions during and shortly after their transits. Calms were frequent most of the night and early morning intervals in the extreme south. Prevailing winds were almost light/moderate but occasionally fresh/strong in the Mediterranean and Red Sea districts in association with the secondaries' transits.

Gales were reported at Me sa Matruh on the 4th (230/36), 19th (250/37), 26th (310/36), 27th (330/40) and 31st (280/36).

## TEMPERATURE

This month was characterized over the Northern Region with a prolonged warm regime attaining its major climax round the 4th in the Coastal district, round the 9th and 10th generally elsewhere with the exception of southern parts of the Western Inland district. Moreover, the last ten days were intervened with a mild regime characterized with more or less normal temperatures.

In the Southern Region, a major warm regime was enjoyed round the period (13th - 19th) particularly over southern districts. Otherwise mild periods of more or less normal temperatures intervened the whole month.

The absolute maximum temperature for the Northern Region was 27.5°C at El Himmeh (Western Inland district), while the corresponding value of the Southern Region was 34.4°C at Aswan on the 18th.

Minimum temperature in the Northern Region experienced two appreciable falls during the 1st and 2nd 10 days of the month and continued below it normal value for several days, though in the last 10 days it oscillated above its normal value. Freezing night temperatures were frequent during these cold periods in the Western Inland, the Desert and El Gezeira districts.

In the Southern Region, minimum temperature oscillated below its normal the great part of this month, though subnormal departures were pronounced in the southern districts.

The absolute minimum temperature of the Northern Region was—7.5 °C at Tell Alo (North Eastern district) on the 3rd, while the corresponding value for the Southern Region was—1.5 °C at Dakhla on the 2nd.

## PRECIPITATION

### NORTHERN REGION

Occasional heavy precipitation fell throughout the Region within the periods (4th - 11th) and (18th - 31st). The maximum fall was confined to high lands of the Coastal district. The maximum monthly amount of rainfall was 337.9 mms. reported at Slennfeh (mountain station in Coastal district) while the maximum rainfall in 24 hours was 109.0 mms. reported also at Slennfeh on the 22nd.

### SOUTHERN REGION

The monthly rainfall was subnormal in general. Occasional light rain fell round the periods (3rd - 4th), (18th - 21st), (26th - 27th) and (30th - 31st); and was confined mostly to the western part of the Mediterranean coastal area during the first two periods, but it extended southerly inland till Minya during the rest two periods. As an exception, daily rainfall exceeded 10 mms. on the 26th and 31st over scattered localities in the Mediterranean coastal area.

The maximum monthly rainfall was 48.0 mms. reported at Dekheila, while the maximum rainfall in 24 hours was 15.0 mms. also at Dekheila on the 31st.

## MISCELLANEOUS WEATHER PHENOMENA

### NORTHERN REGION

*Thunderstorms* occurred at Jableh on the 31st.

*Fog patches* developed at Damascus on the 9th, 20th & 21st; Aleppo on the 10th, 19th, 20th, 22nd, 25th & 26th; Hama on the 20th, 21st, & (23rd-27th); Homs on the 19th, 20th & (24th - 26th); Meselmiyie on the 10th; Palmyra on the 10th, 11th & 23rd; Deir Ezzor on the 21st & 23rd; Raqqa on the 20th, 21st & 22nd; and at Qamishlie an the 23rd.

*Mist patches* developed at Damascus on the 1st, 9th, 10th, 11th, 13th, 19th, & 24th; Aleppo on the 9th, 11th, 13th, 19th, 20th, 21st, 23rd & 26th; Hama on the 2nd, 5th, 6th, 24th & (29th—31st); Kharabo on the 9th; Selamiyie on the 19th; Palmyra on the 11th, (19th—21st), 26th & 30th; Deir Ezzor on the 20th & 22nd; Raqqa on the 18th, (19th—21st), 23rd, 26th, 29th & 30th; and at Tell Tamer on the 21st.

*Sand or duststorms* blew over Aleppo on the 16th; Deir Ezzor on the 19th; and over Raqqa on the 16th & 19th.

*Local rising sand or dust* was reported at Aleppo on the 18th, 19th, & 31st; Hama on the 17th & 18th; Deir Ezzor on the 5th, 9th & (17th-20th); and at Raqqa on the 5th, (16th - 19th) & 21st.

### SOUTHERN REGION

*Thunderstorms* occurred at Sidi Barrani on the 31st.

*Early morning fog patches* developed at Alexandria on the 14th, 15th, 18th, 25th & 29th; Abu Sueir on the 2nd, 7th, 12th, 18th & 26th; Cairo on the 18th & 26th; Almaza on the 18th & 26th; Mostafa Helmi on the 13th & 18th; Abbassiya on the 18th & 26th; Minya on the 26th & 29th; Asyout on the 12th & 28th; and at Siwa on the 14th, 16th & 17th.

*Mist patches developed* at Alexandria on the 14th & 18th; Port Said on the 17th, 18th, 19th, 25th & 29th; El Arish on the 18th; Abu Sueir on the 2nd, 10th, 11th, 12th, 14th, 18th & (26th—30th); Cairo on the 18th & (25th—28th); Almaza on the 18th & 26th; Mostafa Helmi on the 3rd, 10th, (12th—14th),

17th, 18th, 26th, 27th & 29th; Abbasiya on the 18th & 26th, Minya on the 7th, 18th, 26th & 29th; and at Asyout on the 12th & 26th.

*Sand or duststorms* blew over Mersa matruh on the 4th, 18th, 19th, 26th & 31st; El Arish on the 19th; Abu Sueir, Cairo & Almaza on the 4th; and over Mostafa Helmi on the 4th & 19th.

*Local rising sand or dust* was reported at Sallum on the 4th, 16th & 19th; Sidi Barrani on the 19th; Mersa Matruh on the 3rd, 4th, 16th, 18th, 19th, 21st, 26th, 30th & 31st; Alexandria on the 19th; Port Said on the 4th, 16th & 19th; El Arish on the 19th; Abu Sueir on the 4th, 16th, 19th & 20th; Cairo on the 4th & 19th; Almaza on the 4th, 19th & 31st; Mostafa Helmi on the 4th, 12th, 16th, 19th & 30th; Abbasiya on the 4th & 19th; and at Aswan on the 19th.

Cairo, July 1961.

M.F. Taha
*Director General*
*Meteorological Department*

TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

DECEMBER 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh (A) ... | 12 | 1016.9 | — | 1017.2 | — | 1016.0 | — | 1016.9 | — | 12.2 | +0.7 | 12.3 | +0.6 | 18.5 | +1.7 | 17.3 | +4.5 | 61 | —10 | 62 | — 9 | 52 | — 7 | 63 | — 7 |
| | Bouka ... ... ... | 50 | — | — | — | — | — | — | — | — | 11.2 | — | 12.2 | — | 16.4 | — | 12.3 | — | 64 | — | 63 | — | 56 | — | 64 | — |
| | Tartous ... ... ... | 15 | — | — | — | — | — | — | — | — | 12.5 | — | 14.5 | — | 17.8 | — | 14.4 | — | 61 | — | 54 | — | 55 | — | 56 | — |
| Western Inland | Damascus (A) ... | 724 | 936.8 | +2.8 | 937.3 | +2.2 | 935.7 | +1.9 | 936.5 | +2.1 | 6.5 | +0.4 | 6.9 | +1.3 | 14.5 | +1.9 | 9.4 | +0.1 | 72 | — 7 | 75 | — 5 | 55 | — 4 | 66 | — 6 |
| | Aleppo (A) ... | 391 | 974.7 | +2.3 | 975.4 | +2.6 | 973.6 | +1.9 | 674.6 | +2.0 | 5.2 | +0.1 | 4.9 | +0.1 | 13.9 | +2.3 | 7.7 | +0.7 | 71 | —15 | 73 | —12 | 49 | —22 | 66 | —17 |
| | Hama (A) ... | 313 | 983.1 | — | 983.9 | — | 981.9 | — | 982.8 | — | 4.9 | — | 4.6 | — | 13.5 | — | 8.5 | — | 77 | — | 78 | — | 52 | — | 68 | — |
| | Homs ... ... ... ... | 487 | — | — | — | — | — | — | — | — | 3.5 | —2.1 | 5.6 | —0.5 | 12.9 | +1.5 | 6.6 | —0.7 | 81 | — 2 | 76 | — 9 | 53 | —17 | 76 | — 8 |
| | Kharabo ... ... ... | 620 | — | — | — | — | — | — | — | — | 2.2 | — | 5.4 | — | 15.3 | — | 6.6 | — | 79 | — | 71 | — | 42 | — | 67 | — |
| | Salamiyie ... ... ... | 500 | — | — | — | — | — | — | — | — | 2.2 | — | 4.1 | — | 13.9 | — | 6.3 | — | 77 | — | 73 | — | 49 | — | 72 | — |
| | Meselmiyie ... ... | 425 | — | — | — | — | — | — | — | — | 3.9 | — | 5.9 | — | 13.2 | — | 7.1 | — | 72 | — | 68 | — | 46 | — | 66 | — |
| | Fiq ... ... ... ... | 337 | — | — | 979.6 | — | 477.8 | — | 978.7 | — | 10.8 | — | 9.8 | — | 17.4 | — | 13.5 | — | 52 | — | 54 | — | 39 | — | 49 | — |
| | Tell Shihab ... ... | 250 | — | — | — | — | — | — | — | — | 5.9 | — | 8.8 | — | 17.2 | — | 9.6 | — | 67 | — | 68 | — | 49 | — | 63 | — |
| Desert | Palmyra (A) ... | 404 | 974.9 | — | 975.7 | — | 973.7 | — | 974.7 | — | 5.0 | — | 3.9 | —1.5 | 13.6 | +0.5 | 8.8 | 0.0 | 73 | — | 78 | — 7 | 45 | —13 | 58 | —14 |
| El Gezira | Deir Ezzor (A) ... | 204 | 998.9 | — | 999.8 | — | 998.1 | — | 998.7 | — | 4.2 | +2.2 | 4.8 | —1.4 | 14.9 | +0.9 | 7.6 | —2.2 | 72 | —11 | 72 | —12 | 40 | —19 | 65 | —13 |
| | Raqqa ... ... ... | 251 | 991.4 | — | 992.3 | — | 990.0 | — | 991.0 | — | 3.9 | — | 3.1 | — | 14.2 | — | 8.1 | — | 71 | — | 74 | — | 43 | — | 62 | — |
| North Eastern | Qamishlie (A) ... | 466 | 968.3 | +1.6 | 969.2 | +2.5 | 967.6 | +1.9 | 968.5 | +2.0 | 7.3 | +1.1 | 7.4 | +0.9 | 14.4 | +2.5 | 8.8 | +1.0 | 50 | —23 | 52 | —21 | 35 | —23 | 50 | —21 |
| | Tell Tamer... ... ... | 335 | — | — | — | — | — | — | — | — | 3.2 | — | 3.4 | — | 13.8 | — | 7.8 | — | 72 | — | 73 | — | 45 | — | 59 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum ... ... ... | 04 | 1016.9 | — | 1017.3 | —0.3 | 1016.1 | —0.5 | 1017.0 | —0.2 | 12.7 | — | 11.9 | —1.5 | 19.3 | +0.1 | 15.5 | —0.1 | 63 | — | 71 | + 3 | 47 | — 3 | 59 | — 5 |
| | Sidi Barrani ... ... | 21 | 1014.8 | —0.4 | 1015.2 | —0.6 | 1014.0 | —0.9 | 1014.7 | —0.9 | 10.9 | —2.2 | 10.2 | —1.5 | 18.7 | +0.6 | 14.5 | 0.0 | 76 | + 6 | 82 | + 9 | 57 | + 3 | 70 | + 4 |
| | Mersa Matruh (A) ... | 31 | 1014.0 | —0.1 | 1014.2 | +0.1 | 1012.9 | —0.2 | 1013.9 | 0.0 | 11.6 | —0.3 | 11.1 | —1.3 | 19.4 | +0.6 | 14.4 | +0.1 | 68 | — 7 | 72 | — 1 | 44 | —10 | 62 | — 8 |
| | Dabaa ... ... ... | 17 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Alexandria (A) ... | —3 | 1018.7 | +1.0 | 1019.2 | +1.0 | 1017.7 | +0.4 | 1018.7 | +0.7 | 12.4 | —0.6 | 12.9 | —0.5 | 20.7 | +1.4 | 14.9 | +0.3 | 80 | — 2 | 76 | — 5 | 53 | — 3 | 73 | — 5 |
| | Dekheila (A) ... | 01 | 1018.5 | — | 1019.0 | —0.2 | 1017.6 | —0.4 | 1018.4 | — | 12.3 | — | 12.4 | —2.2 | 19.5 | +0.4 | 14.7 | — | 70 | — | 68 | — 2 | 50 | — 8 | 67 | — |
| | Damietta ... ... ... | 03 | 1018.4 | — | 1018.8 | +1.0 | 1017.4 | +1.0 | 1018.4 | +1.4 | 12.3 | — | 13.7 | +0.1 | 19.9 | +0.9 | 15.2 | +0.4 | 76 | — | 81 | — 2 | 56 | — 7 | 80 | — 3 |
| | Port Said (A) ... | 01 | 1018.1 | +0.9 | 1016.7 | +0.9 | 1017.3 | +0.7 | 1018.2 | +0.7 | 15.5 | +0.5 | 15.3 | +0.2 | 19.6 | +1.0 | 16.8 | +0.6 | 72 | — 8 | 70 | — 8 | 57 | — 7 | 72 | — 5 |
| | El Arish ... ... ... | 10 | 1016.6 | +0.7 | 1017.4 | +0.5 | 1015.6 | —0.3 | 1016.6 | +0.3 | 11.9 | 0.0 | 12.8 | —0.6 | 20.2 | +0.6 | 14.9 | 0.0 | 75 | — 5 | 70 | — 4 | 55 | — 3 | 73 | + 1 |
| | Ghazza ... ... ... | 10 | 1016.7 | — | 1017.4 | — | 1015.8 | — | 1016.7 | — | 12.6 | — | 13.5 | — | 19.7 | — | 16.1 | — | 70 | — | 69 | — 4 | 64 | — | 80 | — |

TABLE A 1 (*contd.*)—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND RELATIVE HUMIDITY AT FIXED HOURS

DECEMBER 1959

| District | Station | Height above M.S.L. (metres) | Atmospheric pressure at station level (mb.) | | | | | | | | Dry bulb temperature (°C) | | | | | | | | Relative humidity (%) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | | 0000 U.T. | | 0600 U.T. | | 1200 U.T. | | 1800 U.T. | |
| | | | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal | Mean | Dev. from normal |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... | 06 | 1017.6 | — | 1018.3 | +0.3 | 1016.7 | +0.2 | 1017.4 | +0.3 | 10.6 | — | 11·9 | 0.0 | 20.9 | +0.9 | 14.2 | —0.1 | 85 | — | 84 | + 2 | 51 | — 3 | 77 | — 1 |
| | Mansoura ... ... ... | 08 | 1017.2 | — | 1018.1 | +0.3 | 1016.4 | +0.5 | 1017.5 | +0.5 | 11.2 | — | 11.8 | —0.2 | 21.7 | +1.2 | 15.0 | +0.6 | 79 | — | 80 | — 2 | 46 | — 8 | 71 | — 7 |
| | Tanta ... ... ... ... | 14 | 1016.4 | — | 1017.2 | —0.3 | 1015.7 | —0.1 | 1016.7 | —0.2 | 10.7 | — | 12.1 | +0.2 | 21.5 | +1.3 | 13.6 | +0.1 | 74 | — | 72 | —12 | 45 | — 9 | 67 | —13 |
| | Shebin el Kom ... ... | 12 | 1016.1 | — | 1017.2 | 0.0 | 1015.5 | —0.1 | 1016.4 | —0.1 | 11.7 | — | 11.3 | —0.4 | 21.2 | +0.9 | 14.9 | +1.1 | 85 | — | 85 | + 5 | 46 | — 3 | 77 | + 3 |
| | Zagazig ... ... ... | 12 | 1017.3 | — | 1018.0 | +0.6 | 1016.4 | +0.6 | 1017.2 | +0.4 | 11.9 | — | 11.5 | —0.4 | 21.5 | +1.3 | 15.0 | +1.1 | 82 | — | 80 | — 4 | 50 | — 7 | 76 | — 6 |
| | Zaher ... ... (A) ... | 30 | 1013.6 | — | 1014.2 | — | 1012.5 | — | 1013.4 | — | 11.2 | — | 12.0 | — | 21.0 | — | 14.9 | — | 68 | — | 66 | — | 38 | — | 60 | — |
| | Wadi el Natrun ... | —1 | 1019.3 | — | 1019.8 | +1.0 | 1017.8 | +0.6 | 1019.0 | +0.7 | 11.8 | — | 11.3 | —0.7 | 22.0 | +1.6 | 15.3 | —0.2 | 68 | — | 70 | — 8 | 35 | — 9 | 59 | — 4 |
| | Abu Suei ... (A) ... | 14 | 1016.8 | — | 1017.5 | — | 1015.5 | — | 1016.7 | — | 10.7 | — | 11.2 | — | 21.7 | — | 14.4 | — | 74 | — | 75 | — | 36 | — | 61 | — |
| Cairo Area | Cairo ... ... (A) ... | 95 | 1006.9 | +0.1 | 1007.6 | +0.1 | 1005.7 | —0.4 | 1006.7 | —0.3 | 12.3 | —0.3 | 13.3 | +0.5 | 20·9 | —1.5 | 15.4 | +0.3 | 67 | — 8 | 68 | — 6 | 38 | —10 | 58 | — 9 |
| | Almaza ... (A) ... | 79 | 1008.6 | +0.5 | 1009·3 | +0.6 | 1007.3 | +0.4 | 1008.5 | +0.3 | 12.4 | —0.3 | 12.6 | —0.2 | 21.3 | —1.5 | 15.5 | +0.1 | 63 | —11 | 63 | —10 | 38 | —10 | 57 | — 8 |
| | Abbasiya H.Q.) ... | 33 | 1014.6 | — | 1015.2 | — | 1013.3 | — | 1014.3 | — | 12.0 | — | 12.4 | — | 21.4 | — | 15.6 | — | 73 | — | 71 | — | 40 | — | 61 | — |
| | Mostafa H (Imi (A) ... | 163 | 999.0 | — | 999.6 | — | 997.9 | — | 998.9 | — | 11.3 | — | 11.4 | — | 19.9 | — | 14.8 | — | 74 | — | 71 | — | 43 | — | 63 | — |
| | Giza ... e... ... ... | 21 | 1016.1 | — | 1016.8 | 0.0 | 1014.8 | —0.4 | 1015.7 | —0.3 | 11.0 | — | 11.1 | 0.0 | 20.7 | +0.1 | 14.4 | +0.9 | 83 | — | 76 | — 7 | 39 | — 8 | 64 | —13 |
| | Helwan ... ... ... | 112 | — | — | 1005.9 | +0.2 | 1004.0 | +0.2 | 1004.3 | —0.7 | — | — | 13·1 | +0.8 | 20.6 | +1.0 | 16.0 | +0.4 | — | — | 66 | — 1 | 41 | 0 | 53 | — 2 |
| Upper Egypt | Fayoum ... ... ... | 30 | 1016.3 | — | 1016.8 | +1.0 | 1014.4 | +0.6 | 1015.3 | +0.5 | 10.7 | — | 10.8 | —0.7 | 20.0 | —0.9 | 14.3 | +0.3 | 80 | — | 77 | + 5 | 41 | — 1 | 70 | + 1 |
| | Beni Suef ... ... ... | 28 | 1015.0 | — | 1015.9 | +0.1 | 1013.7 | —1.3 | 1014.6 | —0.2 | 10.0 | — | 9.8 | —1.4 | 21.2 | +0.2 | 13.4 | —0.3 | 85 | — | 86 | +16 | 49 | + 3 | 81 | +11 |
| | Minya ... ... (A) ... | 39 | 1013.6 | +0.3 | 1014.5 | +0.2 | 1012.7 | +0.1 | 1013.1 | —0.3 | 9.0 | —0.3 | 9.8 | —0.3 | 22.1 | +0.8 | 13.5 | +0.2 | 78 | + 4 | 79 | + 4 | 40 | + 2 | 66 | + 2 |
| | Asyout ... (A) ... | 71 | 1009.3 | +1.0 | 1010.5 | —0.3 | 1008.5 | 0.0 | 1009.1 | —0.4 | 11.8 | +0.4 | 11.0 | —0.1 | 21.8 | +0.6 | 15.8 | +0.4 | 56 | — 5 | 55 | —10 | 33 | — 1 | 47 | — 4 |
| | Nag Hammadi ... ... | 69 | 1009.0 | — | 1010.5 | +0.1 | 1008.1 | +0.3 | 1009.0 | 0.0 | 11.2 | — | 13.4 | +0.3 | 23.0 | +0.4 | 14.8 | —0.1 | 84 | — | 70 | + 1 | 47 | + 2 | 73 | + 2 |
| | Qena ... ... ... ... | 73 | 1006.9 | — | 1009.9 | —0.2 | 1007.1 | —0.1 | 1008.1 | —0.3 | 11.0 | — | 12.5 | —0.2 | 24.4 | +1.6 | 15.8 | —0.1 | 68 | — | 70 | + 3 | 44 | + 4 | 65 | + 5 |
| | Luxor ... ... (A) ... | 95 | 1005.7 | —0.3 | 1006.9 | —0.5 | 1004.4 | —0.5 | 1005.3 | —0.7 | 11.1 | —0.1 | 12.8 | —0.5 | 24.1 | +0.6 | 16.3 | +0.1 | 64 | + 2 | 60 | 0 | 37 | — 1 | 53 | + 2 |
| | Aswan... ... (A)* ... | 193 | 993.2 | — | 994.7 | +0.1 | 992.0 | —0.4 | 993.3 | 0.0 | 13.0 | — | 13.4 | —1.8 | 25.3 | +0.4 | 18.6 | —1.2 | 49 | — | 53 | — 1 | 24 | — 6 | 31 | — 7 |
| Desert | Siwa ... ... ... ... | —15 | 1020.6 | —0.8 | 1021.3 | —0.9 | 1019.6 | —0.9 | 1020.3 | —1.0 | 8.7 | —0.9 | 7.7 | —0.8 | 20.2 | +0.5 | 13.3 | —0.4 | 67 | — 1 | 75 | + 3 | 38 | — 2 | 53 | — 3 |
| | Bahariya ... ... ... | 128 | 1003.4 | — | 1004.2 | —0.7 | 1002.1 | —1.1 | 1003.0 | —1.5 | 9.1 | — | 8.6 | —2.9 | 21.5 | +1.2 | 14.3 | +0.3 | 68 | — | 70 | + 1 | 34 | — 9 | 51 | —10 |
| | Farafra ... ... ... | 90 | 1010.4 | — | 1011.2 | +0.8 | 1009.4 | +0.5 | 1010.1 | +0.6 | 8.7 | — | 7.6 | —2.0 | 20.6 | 0.0 | 14.0 | +0.1 | 58 | — | 64 | — 4 | 32 | —11 | 43 | —14 |
| | Dakhla ... ... ... | 110 | 1004.5 | — | 1004.9 | —0.5 | 1003.0 | 0.0 | 1003.8 | —0.3 | 8.7 | — | 8.8 | —1.3 | 22.5 | +1.1 | 14.5 | —1.1 | 56 | — | 56 | — 6 | 25 | —12 | 41 | — 3 |
| | Kharga ... ... ... | 72 | 1008.9 | — | 1009.9 | —0.5 | 1007.9 | —0.6 | 1008.7 | —0.6 | 9.9 | — | 11.8 | —0.9 | 23.9 | +1.1 | 14.9 | —1.1 | 63 | — | 61 | — 2 | 32 | — 7 | 51 | 0 |
| Red Sea | Suez ... ... ... ... | 05 | 1017.9 | — | 1018.2 | 0 0 | 1016.3 | —1.0 | 1017.3 | +0.3 | 12.3 | — | 13.1 | —0.9 | 21.1 | +0.5 | 16.5 | +0.2 | 72 | — | 77 | + 5 | 50 | + 1 | 64 | + 1 |
| | Tor ... ... ... ... | 03 | 1016.5 | — | 1017.5 | +0.3 | 1015.6 | 0.0 | 1016.5 | +0.3 | 12.9 | — | 13.5 | —1.3 | 21.8 | 0.0 | 16.9 | —0.6 | 64 | — | 57 | — 5 | 53 | — 6 | 62 | + 2 |
| | Hurghada ... ... ... | 01 | 1016.8 | +1.0 | 1017.9 | +1.1 | 1015.9 | +0.6 | 1016.9 | +0.9 | 14.1 | +1.0 | 16.5 | +0.6 | 22.8 | +1.2 | 17.6 | +0.3 | 59 | — 6 | 55 | — 3 | 46 | — 9 | 58 | — 5 |
| | Quseir ... ... ... ... | 08 | 1015.1 | — | 1015.9 | —0.3 | 1014.3 | —0.6 | 1015.2 | —0.2 | 17.2 | — | 19.4 | +0.1 | 23.1 | +0.1 | 19.7 | —0.4 | 58 | — | 51 | — 4 | 54 | — 3 | 61 | 0 |

* Aswan meteorological station had been transferred to Aswan Airport since 1st December, 1959.

TABLE A 2.—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

DECEMBER 1959

| District | Station | Maximum temperature: Mean (A) | Maximum temperature: Deviation from normal | Minimum temperature: Mean (B) | Minimum temperature: Deviation from normal | (A + B)/2 | Maximum temperature: Highest | Date | Lowest | Date | Number of days with maximum temperature >25° | >30° | >35° | >40° | >45° | Minimum temperature: Highest | Date | Lowest | Date | Number of days with minimum temperature <10° | < 5° | < 0° | <-5° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Northern Region** | | | | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh ... ... (A) ... ... ... ... | 19.3 | +2.1 | 10.2 | +0.4 | 14.7 | 24.4 | 14 | 14.7 | 27 | 0 | 0 | 0 | 0 | 0 | 13.2 | 19 | 6.2 | 13 | 14 | 0 | 0 | 0 |
| | Bouka ... ... ... ... ... ... ... | 17.0 | — | 10.1 | — | 13.6 | 20.5 | 9 | 12.0 | 21 | 0 | 0 | 0 | 0 | 0 | 12.5 | 19 | 7.5 | * | 11 | 0 | 0 | 0 |
| | Ta[illegible] ... ... ... ... ... ... ... | 19.2 | — | 11.4 | — | 15.3 | 23.0 | 14 | 14.0 | 27 | 0 | 0 | 0 | 0 | 0 | 14.5 | * | 7.5 | 1-3 | 6 | 0 | 0 | 0 |
| Western Inland | Damascus ... ... (A) ... ... ... ... | 15.3 | +1.3 | 3.9 | +0.2 | 9.6 | 20.7 | 17 | 8.5 | 27 | 0 | 0 | 0 | 0 | 0 | 7.9 | 20 | —0.4 | 2 | 31 | 23 | 1 | 0 |
| | Aleppo ... ... (A) ... ... ... ... | 13.7 | +2.2 | 2.9 | —0.1 | 8.3 | 17.8 | 9 | 9.6 | 19 | 0 | 0 | 0 | 0 | 0 | 8.6 | 7 | —3.0 | 12 | 31 | 20 | 8 | 0 |
| | Hama ... ... (A) ... ... ... ... | 14.3 | — | 2.7 | — | 8.5 | 19.5 | 10 | 7.5 | 19 | 0 | 0 | 0 | 0 | 0 | 9.5 | 31 | — 3.1 | 18 | 31 | 23 | 6 | 0 |
| | Homs ... ... ... ... ... ... ... ... | 13.9 | +1.8 | 1.6 | —2.1 | 7.7 | 20.0 | 13 | 8.0 | 19 | 0 | 0 | 0 | 0 | 0 | 7.5 | 31 | —0.4 | 18 | 31 | 27 | 6 | 0 |
| | Kharabo ... ... ... ... ... ... ... | 16.0 | — | 0.5 | — | 8.3 | 20.0 | 17 | 8.9 | 27 | 0 | 0 | 0 | 0 | 0 | 7.5 | 20 | —4.2 | 2 | 31 | 29 | 14 | 0 |
| | Salamiyie ... ... ... ... ... ... ... | 14.3 | — | —0.2 | — | 7.1 | 19.0 | 13 | 8.0 | 19.27 | 0 | 0 | 0 | 0 | 0 | 9.0 | 31 | —7.0 | 18 | 31 | 27 | 15 | 3 |
| | Mesemiyie ... ... ... ... ... ... | 13.7 | — | 2.0 | — | 7.8 | 18.5 | 11 | 10.1 | 19 | 0 | 0 | 0 | 0 | 0 | 8.5 | 31 | —5.0 | 3 | 31 | 22 | 12 | 0 |
| | Fiq ... ... ... ... ... ... ... ... | 18.3 | — | 8.3 | — | 13.3 | 22.4 | 14 | 12.3 | 27 | 0 | 0 | 0 | 0 | 0 | 13.9 | 19 | 3.5 | 1 | 25 | 1 | 0 | 0 |
| | Tell Shihab ... ... ... ... ... ... | 17.9 | — | 4.1 | — | 11.0 | 23.2 | 17 | 9.0 | 27 | 0 | 0 | 0 | 0 | 0 | 10.8 | 19 | —1.2 | 1 | 30 | 20 | 2 | 0 |
| Desert | Palmyra ... ... (A) ... ... ... ... | 14.4 | +0.5 | 2.3 | —1.5 | 8.4 | 18.4 | 9 | 7.8 | 27 | 0 | 0 | 0 | 0 | 0 | 9.6 | 31 | —3.5 | 15 | 31 | 24 | 6 | 0 |
| Eastern Desert | Deir Ezzor ... (A) ... ... ... ... | 15.2 | +1.0 | 2.3 | +0.4 | 8.7 | 18.2 | 8 | 11.0 | 28 | 0 | 0 | 0 | 0 | 0 | 9·1 | 31 | —4.0 | 15 | 31 | 26 | 5 | 0 |
| | Raqqa ... ... ... ... ... ... ... | 14.8 | — | 1.7 | — | 8.3 | 18.0 | 9·10 | 10.9 | 20 | 0 | 0 | 0 | 0 | 0 | 9.5 | 31 | —6.0 | 14 | 31 | 24 | 12 | 1 |
| North Eastern | Qamishlie ... ... (A) ... ... ... ... | 14.8 | +2.7 | 5.5 | +0.8 | 10.1 | 19.6 | 9 | 9.4 | 20 | 0 | 0 | 0 | 0 | 0 | 8.6 | 19 | 1.4 | 15 | 31 | 12 | 0 | 0 |
| | Tell Tamer... ... ... ... ... ... ... | 14.1 | — | 1.0 | — | 7.5 | 18.0 | 10 | 10.0 | 20 | 0 | 0 | 0 | 0 | 0 | 8.0 | 19·31 | — 6.5 | 14 | 31 | 28 | 12 | 2 |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum ... ... ... ... ... ... ... ... | 20.1 | —0.2 | 11.0 | +0.7 | 15.6 | 23.3 | 3 | 17.1 | 21 | 0 | 0 | 0 | 0 | 0 | 14.3 | 3 | 6.9 | 31 | 7 | 0 | 0 | 0 |
| | Sidi Barrani ... ... ... ... ... ... | 19.6 | +0.2 | 9.2 | —0.7 | 14.4 | 22.6 | 15 | 15.5 | 31 | 0 | 0 | 0 | 0 | 0 | 15.0 | 17 | 7.0 | 29·31 | 23 | 0 | 0 | 0 |
| | Mersa Matruh ... (A) ... ... ... ... | 20.2 | +0.7 | 9.2 | —1.0 | 14.7 | 23.6 | 7 | 17.3 | 21 | 0 | 0 | 0 | 0 | 0 | 12.5 | 4 | 5.9 | 12 | 23 | 0 | 0 | 0 |
| | Dabaa ... ... ... ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Alexandria ... ... (A) ... ... ... ... | 21.4 | +1.3 | 10.3 | —0.9 | 15.8 | 24.6 | 6 | 16.8 | 31 | 0 | 0 | 0 | 0 | 0 | 13.6 | 19 | 7.5 | 15 | 13 | 0 | 0 | 0 |
| | Dekheila ... ... (A) ... ... ... ... | 20.1 | —0.2 | 10.0 | —1.1 | 15.0 | 23.7 | 7 | 15.7 | 31 | 0 | 0 | 0 | 0 | 0 | 15.9 | 8 | 4.2 | 15 | 13 | 1 | 0 | 0 |
| | Damietta ... ... ... ... ... ... ... | 20.5 | 0.0 | 10.8 | +0.2 | 15.6 | 26.4 | 16 | 16.4 | 31 | 1 | 0 | 0 | 0 | 0 | 15.5 | 13 | 5.5 | 24 | 12 | 0 | 0 | 0 |
| | Port Said ... ... (A) ... ... ... ... | 20.8 | +1.2 | 13.7 | +0.2 | 17.2 | 26.5 | 16 | 17.4 | 31 | 1 | 0 | 0 | 0 | 0 | 17.6 | 13 | 10.5 | 22.23 | 0 | 0 | 0 | 0 |
| | El Arish ... ... ... ... ... ... ... | 21.4 | +0.3 | 9.6 | —0.2 | 15.5 | 29.3 | 16 | 18.4 | 21 | 4 | 0 | 0 | 0 | 0 | 13.2 | 19 | 5.2 | 2 | 19 | 0 | 0 | 0 |
| | Gaza ... ... ... ... ... ... ... ... | 21.1 | +0.8 | 10.5 | +0.9 | 15.8 | 28.7 | 16 | 18.0 | 22·27 | 4 | 0 | 0 | 0 | 0 | 17.3 | 15 | 6.1 | 2 | 15 | 0 | 0 | 0 |

* More than three days.

TABLE A 2. (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES (°C)

DECEMBER 1959

| District | Station | Maximum temperature | | Minimum temperature | | (A + B) /2 | Maximum temperature | | | | | | | | | Minimum temperature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean (A) | Deviation from normal | Mean (B) | Deviation from normal | | Highest | Date | Lowest | Date | Number of days with maximum temperature >25° | >30° | >35° | >40° | >45° | Highest | Date | Lowest | Date | Number of days with minimum temperature <10° | <5° | <0° | <-5° |
| | **Southern Region** (*contd.*) | | | | | | | | | | | | | | | | | | | | | | |
| LOWER EGYPT | Damanhour ... ... ... ... ... ... | 22.1 | +0.9 | 9.1 | +0.7 | 15.6 | 26.4 | 16 | 17.8 | 27 | 2 | 0 | 0 | 0 | 0 | 11.6 | 27 | 5.9 | 15 | 22 | 0 | 0 | 0 |
| | Mansoura ... ... ... ... ... ... | 22.4 | +1.2 | 9.8 | +0.4 | 16.1 | 28.0 | 16 | 18.0 | 19 | 4 | 0 | 0 | 0 | 0 | 12.6 | 11 | 7.0 | 21-24 | 15 | 0 | 0 | 0 |
| | Tanta ... ... ... ... ... ... ... | 22.2 | +1.0 | 8.4 | +0.4 | 15.3 | 29.4 | 16 | 17.4 | 31 | 4 | 0 | 0 | 0 | 0 | 11.6 | 16 2[illegible] | 5.5 | 3 | 24 | 0 | 0 | 0 |
| | Shebin el Kom ... ... ... ... ... | 21.7 | +0.1 | 10.0 | +0.9 | 15.8 | 28.2 | 16 | 18.1 | 31 | 1 | 0 | 0 | 0 | 0 | 13.3 | 16 | 7.8 | 3-31 | 14 | 0 | 0 | 0 |
| | Zagazig ... ... ... ... ... ... | 22.6 | +1.0 | 9.6 | +1.4 | 16.1 | 29.5 | 16 | 18.9 | 27 | 5 | 0 | 0 | 0 | 0 | 14.3 | 16 | 6.3 | 3 | 19 | 0 | 0 | 0 |
| | Zaher ... ... ... (A) ... ... ... | 21.8 | — | 9.1 | — | 15.4 | 30.0 | 16 | 17.2 | 31 | 4 | 0 | 0 | 0 | 0 | 14.3 | 16 | 5.4 | 3 | 19 | 0 | 0 | 0 |
| | Wadi el Natrun ... ... ... ... ... | 22.6 | +1.1 | 8.8 | −0.3 | 15.7 | 29.3 | 15 | 17.0 | 27 | 5 | 0 | 0 | 0 | 0 | 12.9 | 16 | 5.1 | 3 | 23 | 0 | 0 | 0 |
| | Abu Sueir ... ... (A) ... ... ... | 22.4 | — | 8.3 | — | 15.4 | 31.5 | 16 | 18.8 | 31 | 6 | 1 | 0 | 0 | 0 | 13.3 | 16 | 4.5 | 24 | 24 | 2 | 0 | 0 |
| CAIRO AREA | Cairo ... ... ... (A) ... ... ... | 21.4 | +1.2 | 9.8 | −0.4 | 15.6 | 29.0 | 16 | 16.3 | 27 | 4 | 0 | 0 | 0 | 0 | 14.3 | 16 | 5.6 | 3 | 15 | 0 | 0 | 0 |
| | Almaza (A) ... ... ... ... | 21.8 | +1.2 | 10.1 | −0.1 | 16.0 | 29.0 | 15 | 16.5 | 27 | 4 | 0 | 0 | 0 | 0 | 15.7 | 16 | 6.3 | 3 | 13 | 0 | 0 | 0 |
| | Abbasiya (H.Q.) ... ... ... ... ... | 22.7 | — | 9.7 | — | 16.2 | 29.0 | 15 | 16.8 | 27 | 5 | 0 | 0 | 0 | 0 | 15.6 | 16 | 5.8 | 3 | 19 | 0 | 0 | 0 |
| | Mostafa Helmi ... (A) ... ... ... | 20.8 | — | 9.0 | — | 14.9 | 27.3 | 14 | 16.0 | 27 | 3 | 0 | 0 | 0 | 0 | 14.6 | 16 | 3.5 | 3 | 20 | 1 | 0 | 0 |
| | Giza ... ... ... ... ... ... ... | 21.7 | +0.4 | 8.2 | +0.5 | 15.0 | 28.5 | 15 | 16.0 | 27 | 4 | 0 | 0 | 0 | 0 | 13.5 | 18 | 3.0 | 3 | 25 | 1 | 0 | 0 |
| | Helwan ... ... ... ... ... ... ... | 21.1 | +0.7 | 10.6 | +0.4 | 15.1 | 27.4 | 15 | 14.0 | 27 | 3 | 0 | 0 | 0 | 0 | 15.5 | 16 | 7.5 | 3 | 10 | 0 | 0 | 0 |
| UPPER EGYPT | Fayoum ... ... ... ... ... ... ... | 20.8 | −1.3 | 8.0 | −0.3 | 14.4 | 27.3 | 16 | 15.6 | 27 | 1 | 0 | 0 | 0 | 0 | 12.4 | 18 | 4.4 | 3 | 26 | 1 | 0 | 0 |
| | Beni Suef ... ... ... ... ... ... | 22.3 | +0.4 | 7.0 | −0.2 | 14.6 | 30.2 | 16 | 15.0 | 27 | 4 | 1 | 0 | 0 | 0 | 12.3 | 16 | 3.3 | 3-23 | 26 | 7 | 0 | 0 |
| | Minya ... ... (A) ... ... ... | 22.7 | +1.0 | 6.1 | −0.9 | 14.4 | 29.7 | 16 | 18.3 | 31 | 6 | 0 | 0 | 0 | 0 | 11.5 | 16 | 2.6 | 2 | 30 | 9 | 0 | 0 |
| | Asyout ... ... (A) ... ... ... | 22.6 | +0.5 | 8.7 | +0.1 | 15.6 | 30.0 | 16 | 15.4 | 26 | 7 | 0 | 0 | 0 | 0 | 14.6 | 16 | 5.6 | 25 | 24 | 0 | 0 | 0 |
| | Nag Hammadi ... ... ... ... ... ... | 23.9 | +0.5 | 7.9 | +0.5 | 15.9 | 31.6 | 15 | 18.6 | 21 | 10 | 1 | 0 | 0 | 0 | 12.0 | 18 | 5.3 | 1 | 26 | 0 | 0 | 0 |
| | Qena ... ... ... ... ... ... ... | 25.6 | +1.3 | 9.1 | +0.1 | 17.4 | 32.4 | 15 | 20.8 | 21 | 16 | 3 | 0 | 0 | 0 | 13.5 | 17 | 5.6 | 23 | 22 | 0 | 0 | 0 |
| | Luxor ... ... ... (A) ... ... ... | 25.0 | +0.7 | 6.8 | −0.6 | 15.9 | 31.1 | 18 | 19.5 | 21 | 15 | 1 | 0 | 0 | 0 | 13.5 | 18 | 2.9 | 24 | 27 | 8 | 0 | 0 |
| | Aswan ... ... (A) ... ... ... | 26.2 | −0.6 | 9.7 | −2.1 | 18.0 | 34.4 | 18 | 20.5 | 22 | 19 | 7 | 0 | 0 | 0 | 17.0 | 18 | 5.2 | 24 | 20 | 0 | 0 | 0 |
| WESTERN DESERT | Siwa ... ... ... ... ... ... ... | 21.1 | +0.6 | 5.7 | −1.0 | 13.4 | 25.3 | 15 | 16.5 | 31 | 1 | 0 | 0 | 0 | 0 | 12.8 | 4 | 2.0 | 24 | 30 | 13 | 0 | 0 |
| | Bahariya ... ... ... ... ... ... | 22.0 | +0.8 | 5.5 | −1.1 | 13.8 | 30.9 | 15 | 16.1 | 31 | 3 | 1 | 0 | 0 | 0 | 14.2 | 16 | 0.2 | 3 | 29 | 18 | 0 | 0 |
| | Farafra ... ... ... ... ... ... | 21.5 | −0.3 | 5.1 | −0.8 | 13.3 | 28.1 | 15 | 16.3 | 31 | 5 | 0 | 0 | 0 | 0 | 10.2 | 16 | 0.0 | 1 | 30 | 12 | 0 | 0 |
| | Dakhla ... ... ... ... ... ... | 23.7 | +1.3 | 4.6 | −2.3 | 14.2 | 31.0 | 15 | 18.0 | 31 | 11 | 1 | 0 | 0 | 0 | 10.8 | 28 | −1.5 | 2 | 28 | 18 | 2 | 0 |
| | Kharga ... ... ... ... ... ... | 24.7 | +1.3 | 7.2 | −0.9 | 15.9 | 33.7 | 15 | 20.7 | 22 | 11 | 2 | 0 | 0 | 0 | 13.3 | 17 | 3.2 | 23-24 | 24 | 7 | 0 | 0 |
| RED SEA | Suez ... ... ... ... ... ... ... | 22.2 | +0.3 | 9.8 | −0.7 | 16.0 | 25.4 | 13 | 19.0 | 27 | 2 | 0 | 0 | 0 | 0 | 15.3 | 4 | 5.9 | 3 | 17 | 0 | 0 | 0 |
| | Tor ... ... ... ... ... ... ... | 22.7 | −0.1 | 10.3 | −0.4 | 16.5 | 26.1 | 7 | 19.4 | 22 | 4 | 0 | 0 | 0 | 0 | 16.3 | 19 | 6.5 | 3 | 15 | 0 | 0 | 0 |
| | Hurghada ... ... ... ... ... ... | 23.5 | +1.8 | 11.6 | +0.2 | 17.5 | 28.5 | 19 | 21.0 | 22 | 8 | 0 | 0 | 0 | 0 | 17.3 | 19 | 8.0 | 22 | 6 | 0 | 0 | 0 |
| | Quseir ... ... ... ... ... ... | 24.1 | −0.3 | 15.2 | −0.9 | 19.6 | 27.6 | 4 | 21.5 | 22-23 | 10 | 0 | 0 | 0 | 0 | 20.0 | 19 | 11.5 | 24 | 0 | 0 | 0 | 0 |

# TABLE A 3.—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

## DECEMBER 1959

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Northern Region** | | | | | | | | | | | | | | | | | | | |
| Coastal | Jableh (A) ... | 90.8 | −53.2 | 26.0 | 21 | 10 | 8 | 5 | 1 | 0 | 0.0 | — | 171.4 | 252.0 | 66 | 4.0 | 4.9 | 5.1 | 4.5 | 3.6 |
| | Bouka ... ... ... ... | 141.1 | — | 34.2 | 31 | 11 | 9 | 2 | 2 | 0 | 0.0 | — | — | — | — | | 3.9 | 2.9 | 4.3 | 2.9 |
| | Tartous ... ... ... ... | 138.0 | — | 38.5 | 22 | 9 | 9 | 5 | 3 | 0 | 0.0 | — | — | — | — | — | 2.1 | 1.7 | 3.5 | 4.0 |
| Western Inland | Damascus (A) ... | 12.1 | −46.9 | 3.1 | 4 | 6 | 5 | 0 | 0 | 0 | 0.0 | — | 211.2 | 293.4 | 72 | 3.0 | 3.8 | 4.2 | 2.8 | 2.1 |
| | Aleppo (A) ... | 30.5 | −44.1 | 12.1 | 19 | 6 | 5 | 1 | 0 | 0 | 0.0 | — | 158.2 | 290.2 | 54 | 4.0 | 4.1 | 4.1 | 4.0 | 2.6 |
| | Hama (A) ... | 23.3 | −35.4 | 8.7 | 19 | 5 | 4 | 0 | 0 | 0 | 0.0 | — | 176.9 | 289.5 | 61 | 3.3 | 4.8 | 4.6 | 3.5 | 1.4 |
| | Homs ... ... ... ... | 19.1 | −71.7 | 7.5 | 19 | 5 | 4 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.9 | 3.8 | 3.8 | 1.6 |
| | Kharabo ... ... ... | 9.9 | — | 5.2 | 31 | 5 | 4 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.8 | 2.7 | 1.5 | — |
| | Salamiyie ... ... ... | 14.6 | — | 5.4 | 24 | 4 | 4 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 3.1 | 3.4 | 1.7 | 1.5 |
| | Meselmiyie ... ... ... | 42.8 | — | 14.3 | 19 | 9 | 5 | 2 | 0 | 0 | 0.0 | — | — | — | — | — | 4.1 | 4.2 | 3.2 | 2.6 |
| | Fiq ... ... ... ... ... | 13.4 | — | 4.9 | 19 | 7 | 5 | 0 | 0 | 0 | 0.0 | — | 206.9 | 286.1 | 72 | — | 3.6 | 3.9 | 2.7 | 6.9 |
| | Tell Shihab ... ... ... | 15.2 | — | 5.2 | 31 | 7 | 3 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.3 | 2.5 | 1.6 | 3.3 |
| Desert | Palmyra (A) ... | 8.3 | −14.9 | 4.8 | 31 | 4 | 3 | 0 | 0 | 0 | 0.0 | — | 226.5 | 289.7 | 78 | 2.4 | 3.8 | 3.6 | 2.9 | 2.2 |
| North Eastern Jezira | Deir Ezzor (A) ... | 3.1 | −25.7 | 2.6 | 19 | 3 | 1 | 0 | 0 | 0 | 0.0 | — | 188.1 | 256.3 | 73 | 2.7 | 3.5 | 3.3 | 2.2 | — |
| | Raqqa ... ... ... ... | 30.0 | — | 17.3 | 21 | 5 | 3 | 1 | 0 | 0 | 0.0 | — | 195.1 | 286.6 | 68 | 3.2 | 3.9 | 4.0 | 3.2 | 2.7 |
| | Qamishlie (A) ... | 27.6 | −50.0 | 10.9 | 19 | 7 | 5 | 1 | 0 | 0 | 0.0 | — | 171.0 | 253.0 | 67 | 3.2 | 4.0 | 3.8 | 3.8 | 2.8 |
| | Tell Tamer ... ... ... | 34.5 | — | 13.5 | 21 | 4 | 4 | 1 | 0 | 0 | 0.0 | — | — | — | — | — | 2.5 | 2.6 | 3.3 | — |
| | **Southern Region** | | | | | | | | | | | | | | | | | | | |
| Mediterranean | Sallum ... ... ... ... | 1.3 | −10.8 | 1.1 | 31 | 3 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.2 | 2.5 | 3.5 | 1.4 | 7.3 |
| | Sidi Barrani ... ... ... | 25.8 | −24.9 | 14.5 | 31 | 6 | 3 | 1 | 0 | 0 | 0.0 | — | — | — | — | — | 3.7 | 3.8 | 2.2 | 5.4 |
| | Mersa Matruh (A) ... | 18.0 | −15.7 | 9.7 | 31 | 4 | 2 | 0 | 0 | 0 | 0.0 | — | — | — | — | 2.4 | 3.5 | 3.9 | 2.9 | 9.3 |
| | Dabaa ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Alexandria (A) ... | 37.1 | −23.2 | 12.9 | 26 | 6 | 6 | 1 | 0 | 0 | 0.0 | — | 227.3 | 315.6 | 72.0 | 3.0 | 3.6 | 4.1 | 3.5 | 3.7 |
| | Dekheila (A) ... | 48.0 | +19.5 | 15.0 | 31 | 6 | 6 | 3 | 0 | 0 | 0.0 | — | — | — | — | 2.3 | 3.0 | 3.1 | 2.7 | 5.5 |
| | Damietta ... ... ... | 2.0 | −15.0 | 1.0 | 19-27 | 2 | 2 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.5 | 2.6 | 1.2 | 2.7 |
| | Port Said (A) ... | 1.4 | −20.7 | 0.8 | 28 | 2 | 0 | 0 | 0 | 0 | 0.0 | — | 247.3 | 315.6 | 78.4 | 1.6 | 2.2 | 2.0 | 1.0 | 5.3 |
| | El Arish ... ... ... ... | 0.0 | −19.2 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 2.2 | 2.6 | 2.6 | 1.4 | 5.2 |
| | Ghazza ... ... ... | 9.6 | −82.4 | 5.1 | 31 | 5 | 2 | 0 | 0 | 0 | 0.0 | — | 234.5 | 313.9 | 74.7 | 2.3 | 2.8 | 2.9 | 1.4 | 6.2 |

TABLE A 3. *(contd.)*—RAINFALL, SNOW, BRIGHT SUNSHINE, CLOUDINESS AND EVAPORATION

**DECEMBER 1959**

| District | Station | Rainfall (millimetres) | | | | | | | | | Snow | | Duration of bright sunshine in hours | | | Mean sky cover in oktas at | | | | Mean evaporation (millimetres) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total amount | Deviation from normal | Max. fall in one day | Date | Number of days with amount of rain | | | | | Maximum depth (cms.) | Date | Total actual | Total possible | Percentage % | 0000 U.T. | 0600 U.T. | 1200 U.T. | 1800 U.T. | |
| | | | | | | ≥ 0.1 | ≥ 1.0 | ≥ 10 | ≥ 25 | ≥ 50 | | | | | | | | | | |
| | **Southern Region** *(contd.)* | | | | | | | | | | | | | | | | | | | |
| Lower Egypt | Damanhour ... ... ... | 12.1 | —8.6 | 3.7 | 31 | 3 | 3 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.9 | 3.0 | 2.2 | 2.3 |
| | Mansoura ... ... ... | 1.0 | —9.9 | 1.0 | 26 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.6 | 2.7 | 0.6 | 2.1 |
| | Tanta ... ... ... ... | 11.4 | +1.6 | 5.0 | 26 | 4 | 3 | 0 | 0 | 0 | 0.0 | — | 240.5 | 315.6 | 76.2 | — | 2.5 | 2.7 | 1·2 | 3.4 |
| | Shebin el Kom ... ... | tr. | —9.1 | tr. | 26·27 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.4 | 1.9 | 1.5 | 2.9 |
| | Zagazig ... ... ... ... | 2.3 | —3.0 | 2.3 | 31 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 3.0 | 4.0 | 0.4 | 2.6 |
| | Zaher ... ... (A) ... | 3.0 | — | 1.7 | 31 | 2 | 2 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.8 | 2.6 | 0.5 | 6.4 |
| | Wadi el Natrun ... ... | 3.3 | —15.3 | 3.0 | 26 | 2 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 3.0 | 3.6 | 2.0 | 5.0 |
| | Abu Suair ... (A) ... | 0.9 | — | 0.7 | 31 | 3 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 2.1 | 3.7 | 3.2 | 1.3 | 7.2 |
| Cairo Area | Cairo ... ... (A) ... | 9.4 | —1·5 | 8.2 | 31 | 2 | 2 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.3 | 2.9 | 3.0 | 1.3 | 6.4 |
| | Almaza ... ... (A) ... | 12.1 | +2.0 | 10.0 | 31 | 3 | 2 | 1 | 0 | 0 | 0.0 | — | 249.7 | 317.9 | 78.5 | 0.9 | 2.4 | 2.9 | 1.0 | 5.2 |
| | Abbasiya (H.Q.) ... ... | 0.5 | — | 0.5 | 26 | 1 | 0 | 0 | 0 | 0 | 0.0 | — | (236.0) | (307.6) | 76.7 | 1.2 | 2.7 | 2.9 | 1.3 | 4.2 |
| | Mostafa Helmi (A) ... | 3.0 | — | 2.4 | 27 | 2 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.4 | 2.8 | 3.3 | 1.5 | 6.6 |
| | Giza... ... ... ... ... | 10.8 | +5.8 | 5.3 | 31 | 3 | 2 | 0 | 0 | 0 | 0.0 | — | 250.0 | 317.9 | 78.6 | — | 2.8 | 2.6 | 1.4 | 3.8 |
| | Helwan ... ... ... ... | 12.5 | +6·5 | 8·7 | 31 | 3 | 3 | 0 | 0 | 0 | 0.0 | — | 265.3 | 317.1 | 83.7 | — | 2.4 | 2.6 | 1.8 | 6.0 |
| Upper Egypt | Fayoum ... ... ... ... | 0.1 | —5.9 | 0.1 | 27 | 1 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.2 | 1.8 | 0.8 | 2.7 |
| | Beni Suef ... ... ... | 8.1 | +3.4 | 3.8 | 27 | 3 | 3 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 2.1 | 2.2 | 1.4 | 3.0 |
| | Minya ... ... (A) ... | 2.2 | +1.4 | 2.2 | 27 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.9 | 1.1 | 1.9 | 1.1 | 4.7 |
| | Asyout ... ... (A) ... | 0.0 | — tr. | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.2 | 2.2 | 1.9 | 1.2 | 6.6 |
| | Nag Hammadi ... ... | 0.0 | —2.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.5 | 1.7 | 0.5 | 3.5 |
| | Qena ... ... ... ... | 0.0 | —1.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.4 | 1.6 | 0.6 | 3.1 |
| | Luxor ... ... (A) ... | 0.0 | —0.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.4 | 0.9 | 1.3 | 1.0 | 4.6 |
| | Aswan ... ... (A) ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 0.5 | 1.2 | 1.5 | 0.7 | 11.9 |
| Western Desert | Siwa ... ... ... ... | tr. | —3.0 | tr. | 31 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.1 | 1.3 | 2.3 | 1.5 | 6.2 |
| | Bahariya ... ... | tr. | —1.3 | tr. | 31 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.5 | 2.1 | 2.0 | 1.4 | 4.7 |
| | Farafra ... ... ... ... | 0.0 | 0.0 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.3 | 1.2 | 2.1 | 1.1 | 7.3 |
| | Dakhla ... ... ... ... | tr. | + tr. | tr. | 27·28 | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.2 | 2.0 | 2.2 | 1.5 | 7.9 |
| | Kharga ... ... ... ... | 0.0 | —0.1 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.3 | 2.1 | 2.0 | 0.8 | 5.9 |
| Red Sea | Suez ... ... ... ... | 0.0 | —4.7 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | — | 1.9 | 2.2 | 0.7 | 4.6 |
| | Tor ... ... ... ... ... | 2.0 | 0.0 | 1.4 | 18 | 2 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.8 | 1.8 | 2.5 | 2.0 | 5.8 |
| | Hurghada ... ... ... | 0.0 | —1.8 | 0.0 | — | 0 | 0 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.6 | 2.2 | 2.3 | 1.9 | 9.9 |
| | Quseir ... ... ... ... | 4.3 | —4.3 | 4.3 | 27 | 1 | 1 | 0 | 0 | 0 | 0.0 | — | — | — | — | 1.1 | 2.0 | 2.2 | 1.2 | 12.1 |

Actual number of sunshine records was 30 days at Abbasiya (H.Q.)

## TABLE A 4.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

### DECEMBER 1959

| Station | Number of days of occurrence of | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rain | Snow | Hail | Thunderstorm | Fog | Mist | Haze | Sandstorm Duststorm | Sandrising Dustrising | Gales | Cloudy sky | Clear sky |
| **NORTHERN REGION** | | | | | | | | | | | | |
| Jableh ... ... ... (A) ... ... | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 4 |
| Bouka ... ... ... ... ... ... | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | — | — |
| Tartous ... ... ... ... ... ... | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | — | — |
| Damascus ... ... (A) ... ... | 6 | 1 | 0 | 0 | 3 | 7 | 6 | 0 | 0 | 0 | 2 | 10 |
| Aleppo ... ... ... (A) ... ... | 6 | 0 | 0 | 0 | 6 | 8 | 1 | 1 | 3 | 0 | 12 | 8 |
| Hama ... ... ... (A) ... ... | 5 | 0 | 0 | 0 | 7 | 7 | 9 | 0 | 2 | 0 | 7 | 9 |
| Homs ... ... ... ... ... ... | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | — | — |
| Kharabo ... ... ... ... ... | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | — | — |
| Salamiyie ... ... ... ... ... | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | — | — |
| Meselmiyie ... ... ... ... ... | 9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | — | — |
| Fiq ... ... ... ... ... ... ... | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| Tell Shihab ... ... ... ... ... | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | — | — |
| Palmyra ... ... (A) ... ... | 4 | 0 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 3 | 10 |
| Deir Ezzor ... ... (A) ... ... | 3 | 0 | 0 | 0 | 2 | 2 | 9 | 1 | 6 | 0 | 2 | 8 |
| Raqqa ... ... ... ... ... ... | 5 | 0 | 0 | 0 | 3 | 8 | 4 | 2 | 6 | 0 | 3 | 10 |
| Qamishlie ... ... (A) ... ... | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 10 |
| Tell Tamer ... ... ... ... ... | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | — | — |
| **SOUTHERN REGION** | | | | | | | | | | | | |
| Sallum ... ... ... ... ... ... | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 15 |
| Sidi Barrani ... ... ... ... ... | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | — | — |
| Mersa Matruh ... (A) ... ... | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 5 | 1 | 10 |
| Alexandria ... ... (A) ... ... | 6 | 0 | 0 | 0 | 5 | 2 | 0 | 0 | 1 | 0 | 5 | 8 |
| Port Said ... ... (A) ... ... | 2 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 3 | 0 | 1 | 19 |
| El Arish... ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 15 |
| Abu Sueir ... ... (A) ... ... | 3 | 0 | 0 | 0 | 5 | 11 | 0 | 1 | 4 | 0 | 1 | 13 |
| Cairo ... ... ... (A) ... ... | 2 | 0 | 0 | 0 | 2 | 5 | 13 | 1 | 2 | 0 | 1 | 15 |
| Almaza ... ... ... (A) ... ... | 3 | 0 | 0 | 0 | 2 | 2 | 6 | 1 | 3 | 0 | 2 | 21 |
| Abbasiya (H.Q.) ... ... ... ... | 1 | 0 | 0 | 0 | 2 | 2 | 3 | 0 | 2 | 0 | 0 | 19 |
| Mostafa Helmi ... (A) ... ... | 2 | 0 | 0 | 0 | 2 | 10 | 4 | 2 | 5 | 0 | 1 | 17 |
| Minya ... ... ... (A) ... ... | 1 | 0 | 0 | 0 | 2 | 4 | 6 | 0 | 0 | 0 | 0 | 21 |
| Asyout ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 20 |
| Luxor ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 |
| Aswan ... ... ... (A) ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 25 |
| Siwa ... ... ... ... ... ... | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 23 |
| Hurghada ... ... ... ... ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 20 |
| Quseir ... ... ... ... ... ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## NORTHERN REGION—DECEMBER 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| COASTAL | Jableh (A) | 223 | 0 | 0 | 1-10 | 9 | 13 | 42 | 43 | 42 | 147 | 22 | 12 | 7 | 15 | 16 | 8 | 10 | 9 | 6 | 8 | 409 |
| | | | | | 11-27 | 1 | 1 | 4 | 4 | 17 | 37 | 0 | 4 | 4 | 5 | 18 | 1 | 1 | 0 | 2 | 2 | 101 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 10 | 14 | 46 | 47 | 59 | 184 | 22 | 16 | 11 | 20 | 35 | 9 | 11 | 9 | 8 | 10 | 511 |
| | Bouka | 161 | 0 | 0 | 1-10 | 5 | 1 | 23 | 188 | 8 | 11 | 8 | 3 | 11 | 3 | 3 | 1 | 3 | 2 | 0 | 3 | 273 |
| | | | | | 11-27 | 1 | 0 | 7 | 239 | 2 | 0 | 1 | 1 | 5 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 262 |
| | | | | | 28-47 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 48 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 6 | 1 | 30 | 473 | 10 | 11 | 9 | 4 | 16 | 6 | 8 | 1 | 3 | 2 | 0 | 3 | 583 |
| WESTERN INLAND | Damascus (A) | 312 | 0 | 0 | 1-10 | 14 | 42 | 35 | 80 | 59 | 14 | 3 | 9 | 22 | 14 | 7 | 29 | 32 | 9 | 5 | 2 | 376 |
| | | | | | 11-27 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 4 | 8 | 10 | 10 | 6 | 9 | 2 | 55 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 16 | 42 | 35 | 83 | 59 | 14 | 3 | 10 | 22 | 18 | 15 | 39 | 42 | 15 | 14 | 4 | 431 |
| | Aleppo (A) | 209 | 0 | 0 | 1-10 | 63 | 50 | 14 | 51 | 37 | 6 | 4 | 1 | 1 | 10 | 13 | 7 | 25 | 12 | 11 | 29 | 334 |
| | | | | | 11-27 | 42 | 51 | 10 | 38 | 49 | 1 | 0 | 1 | 0 | 0 | 1 | 2 | 3 | 0 | 0 | 3 | 201 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 105 | 101 | 24 | 89 | 86 | 7 | 4 | 2 | 1 | 10 | 14 | 9 | 28 | 12 | 11 | 32 | 535 |
| | Hama (A) | 255 | 0 | 0 | 1-10 | 36 | 9 | 9 | 24 | 88 | 9 | 4 | 7 | 18 | 11 | 16 | 22 | 85 | 40 | 17 | 19 | 414 |
| | | | | | 11-27 | 13 | 3 | 2 | 2 | 10 | 0 | 1 | 2 | 3 | 0 | 4 | 2 | 19 | 6 | 4 | 4 | 75 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 49 | 12 | 11 | 26 | 98 | 9 | 5 | 9 | 21 | 11 | 20 | 24 | 104 | 46 | 21 | 23 | 489 |
| | Kharabo | 480 | 0 | 0 | 1-10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 24 | 25 | 39 | 81 | 191 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 35 | 14 | 7 | 0 | 3 | 73 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 48 | 38 | 32 | 39 | 84 | 264 |
| | Salamiyie | 463 | 0 | 0 | 1-10 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 6 | 19 | 69 | 11 | 11 | 19 | 17 | 58 | 216 |
| | | | | | 11-27 | 5 | 0 | 0 | 0 | 0 | 12 | 16 | 9 | 3 | 0 | 4 | 3 | 0 | 2 | 4 | 7 | 65 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 7 | 0 | 0 | 0 | 0 | 12 | 18 | 11 | 9 | 19 | 73 | 14 | 11 | 21 | 21 | 65 | 281 |
| | Fiq | 5 | 0 | 217 | 1-10 | 12 | 3 | 8 | 42 | 39 | 1 | 1 | 16 | 9 | 10 | 15 | 22 | 34 | 24 | 3 | 1 | 240 |
| | | | | | 11-27 | 8 | 4 | 35 | 84 | 83 | 5 | 0 | 21 | 0 | 2 | 7 | 9 | 8 | 4 | 0 | 0 | 270 |
| | | | | | 28-47 | 0 | 0 | 2 | 3 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 12 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 20 | 7 | 45 | 129 | 123 | 6 | 1 | 38 | 9 | 14 | 22 | 31 | 42 | 31 | 3 | 1 | 522 |
| DESERT | Palmyra (A) | 286 | 0 | 0 | 1-10 | 39 | 40 | 28 | 7 | 0 | 0 | 4 | 4 | 6 | 0 | 6 | 54 | 163 | 26 | 28 | 21 | 426 |
| | | | | | 11-27 | 14 | 8 | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 32 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 53 | 48 | 30 | 8 | 0 | 0 | 5 | 5 | 7 | 0 | 6 | 56 | 163 | 28 | 28 | 21 | 458 |
| EL GEZIRA | Deir Ezzor (A) | 522 | 0 | 0 | 1-10 | 5 | 11 | 3 | 3 | 14 | 4 | 14 | 34 | 6 | 8 | 1 | 1 | 13 | 32 | 27 | 24 | 200 |
| | | | | | 11-27 | 2 | 0 | 1 | 0 | 5 | 0 | 4 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 22 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 7 | 11 | 4 | 3 | 19 | 4 | 18 | 42 | 7 | 8 | 1 | 1 | 13 | 32 | 28 | 24 | 222 |
| | Raqqa | 85 | 0 | 0 | 1-10 | 34 | 14 | 31 | 82 | 130 | 6 | 6 | 0 | 6 | 1 | 8 | 22 | 127 | 47 | 22 | 8 | 544 |
| | | | | | 11-27 | 0 | 0 | 2 | 30 | 77 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 115 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 34 | 14 | 33 | 112 | 207 | 11 | 6 | 0 | 6 | 1 | 8 | 22 | 127 | 48 | 22 | 8 | 659 |
| NORTH EASTERN | Qamishlie (A) | 330 | 0 | 0 | 1-10 | 105 | 18 | 75 | 38 | 25 | 0 | 2 | 5 | 1 | 3 | 1 | 2 | 3 | 5 | 2 | 32 | 317 |
| | | | | | 11-27 | 17 | 6 | 25 | 26 | 11 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 97 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | 122 | 24 | 100 | 64 | 36 | 0 | 2 | 6 | 1 | 3 | 1 | 2 | 3 | 5 | 2 | 43 | 414 |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

## SOUTHERN REGION—DECEMBER 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| MEDITERRANEAN | Sidi Barrani ... | 2 | 0 | 2 | 1-10 | 23 | 13 | 18 | 15 | 18 | 60 | 55 | 54 | 19 | 17 | 10 | 25 | 327 |
| | | | | | 11-27 | 15 | 0 | 5 | 1 | 11 | 46 | 52 | 103 | 90 | 31 | 23 | 37 | 408 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 5 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **38** | **13** | **23** | **16** | **29** | **106** | **107** | **157** | **110** | **48** | **33** | **66** | **740** |
| | Mersa Matruh (A) | 2 | 4 | 0 | 1-10 | 30 | 6 | 9 | 25 | 2 | 48 | 19 | 24 | 41 | 18 | 11 | 11 | 271 |
| | | | | | 11-27 | 18 | 5 | 7 | 16 | 18 | 34 | 43 | 90 | 123 | 51 | 24 | 23 | 457 |
| | | | | | 28-47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 0 | 10 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **49** | **11** | **16** | **41** | **47** | **82** | **62** | **114** | **170** | **72** | **35** | **39** | **738** |
| | Alexandria (A) | 7 | 6 | 7 | 1-10 | 32 | 60 | 53 | 43 | 46 | 45 | 41 | 44 | 12 | 20 | 12 | 44 | 452 |
| | | | | | 11-27 | 15 | 26 | 17 | 5 | 1 | 5 | 13 | 100 | 39 | 6 | 12 | 28 | 267 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 5 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **47** | **86** | **70** | **48** | **47** | **50** | **54** | **146** | **54** | **26** | **24** | **72** | **724** |
| | Dekheila (A) | 10 | 0 | 75 | 1-10 | 29 | 49 | 27 | 61 | 37 | 43 | 55 | 42 | 38 | 18 | 8 | 10 | 417 |
| | | | | | 11-27 | 17 | 31 | 19 | 9 | 0 | 7 | 3 | 20 | 77 | 28 | 15 | 12 | 238 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **46** | **80** | **46** | **70** | **37** | **50** | **58** | **62** | **115** | **50** | **23** | **22** | **659** |
| | Port Said (A) | 3 | 0 | 0 | 1-10 | 56 | 91 | 61 | 58 | 33 | 57 | 34 | 76 | 74 | 19 | 10 | 15 | 584 |
| | | | | | 11-27 | 3 | 10 | 30 | 15 | 0 | 2 | 4 | 19 | 60 | 10 | 3 | 0 | 156 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **59** | **101** | **91** | **73** | **32** | **59** | **38** | **95** | **135** | **29** | **13** | **15** | **741** |
| | El Arish ... ... | 75 | 194 | 3 | 1-10 | 41 | 34 | 14 | 12 | 14 | 119 | 53 | 15 | 67 | 19 | 33 | 32 | 453 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 10 | 2 | 0 | 19 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **41** | **34** | **14** | **12** | **14** | **119** | **53** | **15** | **74** | **29** | **35** | **32** | **472** |
| LOWER EGYPT | Zaher (A) | 21 | 24 | 12 | 1-10 | 2 | 44 | 43 | 35 | 24 | 46 | 33 | 77 | 66 | 40 | 25 | 36 | 493 |
| | | | | | 11-27 | 6 | 17 | 21 | 4 | 2 | 19 | 15 | 48 | 49 | 5 | 6 | 0 | 192 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **30** | **61** | **64** | **39** | **26** | **65** | **48** | **126** | **116** | **45** | **31** | **36** | **687** |
| CAIRO AREA | Cairo (A) | 56 | 12 | 0 | 1-10 | 27 | 50 | 86 | 84 | 38 | 36 | 90 | 86 | 47 | 29 | 37 | 17 | 627 |
| | | | | | 11-27 | 0 | 1 | 7 | 1 | 0 | 0 | 11 | 18 | 11 | 0 | 0 | 0 | 49 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **27** | **51** | **93** | **85** | **38** | **36** | **101** | **104** | **58** | **29** | **37** | **17** | **676** |
| | Almaza (A) | 1 | 2 | 0 | 1-10 | 22 | 35 | 81 | 70 | 32 | 31 | 53 | 41 | 59 | 37 | 35 | 24 | 540 |
| | | | | | 11-27 | 0 | 4 | 37 | 32 | 15 | 8 | 26 | 39 | 21 | 15 | 2 | 2 | 201 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **22** | **39** | **118** | **102** | **67** | **39** | **79** | **80** | **80** | **52** | **37** | **26** | **741** |
| | Abbasiya (H. Q) | 175 | 27 | 1 | 1-10 | 76 | 87 | 17 | 10 | 16 | 39 | 93 | 89 | 30 | 18 | 26 | 23 | 524 |
| | | | | | 11-27 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 9 | 2 | 0 | 0 | 0 | 17 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **76** | **87** | **20** | **10** | **16** | **39** | **96** | **98** | **32** | **18** | **26** | **23** | **541** |
| | Mosafa Helmi (A) | 1 | 18 | 1 | 1-10 | 26 | 81 | 52 | 30 | 16 | 11 | 44 | 35 | 33 | 26 | 28 | 21 | 403 |
| | | | | | 11-27 | 19 | 24 | 65 | 33 | 3 | 1 | 9 | 47 | 47 | 44 | 18 | 9 | 319 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **45** | **105** | **117** | **63** | **19** | **12** | **53** | **84** | **80** | **70** | **46** | **30** | **734** |
| | Giza ... ... ... | 207 | 5 | 0 | 1-10 | 37 | 17 | 18 | 2 | 2 | 83 | 101 | 71 | 74 | 39 | 43 | 35 | 522 |
| | | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 1 | 1 | 0 | 10 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **37** | **17** | **18** | **2** | **2** | **83** | **102** | **78** | **74** | **40** | **44** | **35** | **532** |

## TABLE A 5.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORED WITHIN SPECIFIED RANGES

## SOUTHERN REGION (*contd.*)—DECEMBER 1959

| District | Station | Calm (hours) | Variable (hours) | Unrecorded (hours) | Wind speed in knots | Number in hours of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| Upper Egypt | Minya ... ... (A) | 30 | 72 | 0 | 1-10 | 120 | 16 | 3 | 1 | 38 | 62 | 33 | 14 | 43 | 32 | 24 | 165 | 551 |
| | | | | | 11-27 | 79 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 4 | 0 | 3 | 91 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **199** | **16** | **3** | **1** | **41** | **62** | **34** | **14** | **44** | **36** | **24** | **168** | **642** |
| | Luxor... ... (A) | 182 | 32 | 0 | 1-10 | 106 | 84 | 21 | 28 | 25 | 28 | 61 | 42 | 17 | 23 | 25 | 68 | 528 |
| | | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **106** | **84** | **23** | **28** | **25** | **28** | **61** | **42** | **17** | **23** | **25** | **68** | **530** |
| Western Desert | Siwa ... ... ... | 151 | 1 | 0 | 1-10 | 9 | 0 | 0 | 27 | 77 | 53 | 20 | 27 | 25 | 94 | 77 | 16 | 425 |
| | | | | | 11-27 | 7 | 0 | 0 | 0 | 11 | 12 | 20 | 3 | 11 | 46 | 42 | 15 | 167 |
| | | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **16** | **0** | **0** | **27** | **88** | **65** | **40** | **30** | **36** | **140** | **119** | **31** | **592** |
| | Dakhla ... ... | 56 | 31 | 0 | 1-10 | 42 | 14 | 22 | 22 | 11 | 19 | 15 | 12 | 39 | 116 | 164 | 90 | 566 |
| | | | | | 11-27 | 8 | 2 | 0 | 0 | 1 | 3 | 0 | 0 | 1 | 7 | 29 | 40 | 91 |
| | | | | | 28-47 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **50** | **16** | **22** | **22** | **12** | **22** | **15** | **12** | **40** | **123** | **193** | **130** | **657** |
| Red Sea | Hurghada ... ... | 1 | 14 | 7 | 1-10 | 20 | 15 | 13 | 13 | 18 | 14 | 9 | 12 | 12 | 34 | 82 | 34 | 276 |
| | | | | | 11-27 | 84 | 2 | 7 | 5 | 13 | 11 | 0 | 0 | 0 | 9 | 175 | 136 | 442 |
| | | | | | 28-47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 |
| | | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | All speeds | **105** | **17** | **20** | **18** | **31** | **25** | **9** | **12** | **12** | **43** | **257** | **173** | **722** |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### JABLEH (A) – DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 7 | 0 | 0 | 1–10 | 0 | 0 | 0 | 2 | 3 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 5 | 13 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 24 |
| 0300 | 14 | 0 | 0 | 1–10 | 0 | 0 | 0 | 4 | 0 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 4 | 1 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 17 |
| 0600 | 11 | 0 | 0 | 1–10 | 0 | 1 | 0 | 5 | 1 | 6 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 6 | 1 | 7 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 20 |
| 0900 | 10 | 0 | 0 | 1–10 | 2 | 1 | 2 | 0 | 0 | 3 | 1 | 0 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 2 | 0 | 1 | 3 | 1 | 0 | 3 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 21 |
| 1200 | 5 | 0 | 0 | 1–10 | 1 | 1 | 3 | 2 | 1 | 2 | 0 | 1 | 0 | 0 | 4 | 1 | 2 | 3 | 0 | 1 | 22 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 3 | 2 | 1 | 3 | 0 | 1 | 0 | 1 | 5 | 1 | 2 | 3 | 0 | 1 | 26 |
| 1500 | 8 | 0 | 0 | 1–10 | 0 | 2 | 2 | 3 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 16 |
| | | | | 11–27 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 2 | 4 | 4 | 2 | 1 | 1 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 2 | 23 |
| 1800 | 13 | 0 | 0 | 1–10 | 0 | 0 | 1 | 1 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 13 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 1 | 2 | 11 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 18 |
| 2100 | 7 | 0 | 0 | 1–10 | 0 | 0 | 0 | 1 | 3 | 14 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 3 | 16 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 24 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### BOUKA — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 6 | 0 | 0 | 1–10 | 0 | 0 | 3 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11–27 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 5 | 17 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 25 |
| 0300 | 7 | 0 | 0 | 1–10 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 1 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 21 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| 0600 | 6 | 0 | 0 | 1–10 | 0 | 0 | 1 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 0900 | 5 | 0 | 0 | 1–10 | 0 | 0 | 0 | 12 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 22 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 26 |
| 1200 | 5 | 0 | 0 | 1–10 | 0 | 0 | 3 | 6 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 3 | 16 | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 26 |
| 1500 | 8 | 0 | 0 | 1–10 | 1 | 0 | 2 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 1 | 9 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 28–47 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 3 | 16 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 1800 | 8 | 0 | 0 | 1–10 | 0 | 0 | 0 | 9 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 20 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 2100 | 8 | 0 | 0 | 1–10 | 0 | 0 | 1 | 10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 20 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### DAMASCUS (A)—DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 17 | 0 | 0 | 1–10 | 0 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 14 |
| 0300 | 17 | 0 | 0 | 1–10 | 3 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 12 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 0 | 14 |
| 0600 | 18 | 0 | 0 | 1–10 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 12 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 13 |
| 0900 | 7 | 0 | 0 | 1–10 | 0 | 0 | 0 | 5 | 5 | 3 | 0 | 1 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 7 | 5 | 3 | 0 | 1 | 2 | 2 | 0 | 1 | 1 | 2 | 0 | 0 | 24 |
| 1200 | 6 | 0 | 0 | 1–10 | 0 | 0 | 1 | 7 | 5 | 1 | 0 | 2 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 7 | 5 | 1 | 0 | 2 | 3 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 25 |
| 1500 | 9 | 0 | 0 | 1–10 | 0 | 6 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 6 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 1 | 0 | 1 | 0 | 22 |
| 1800 | 16 | 0 | 0 | 1–10 | 1 | 3 | 5 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 5 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 15 |
| 2100 | 16 | 0 | 0 | 1–10 | 1 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 15 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### ALEPPO (A)—DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 11 | 0 | 0 | 1-10 | 2 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 2 | 11 |
| | | | | 11-27 | 1 | 1 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 1 | 5 | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 2 | 20 |
| 0300 | 14 | 0 | 0 | 1-10 | 3 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 10 |
| | | | | 11-27 | 2 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 17 |
| 0600 | 9 | 0 | 0 | 1-10 | 5 | 3 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 17 |
| | | | | 11-27 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 4 | 1 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 22 |
| 0900 | 5 | 0 | 0 | 1-10 | 1 | 6 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 2 | 7 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 13 | 0 | 3 | 2 | 0 | 1 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 26 |
| 1200 | 2 | 0 | 0 | 1-10 | 2 | 2 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 1 | 15 |
| | | | | 11-27 | 3 | 4 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 6 | 2 | 4 | 5 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 1 | 29 |
| 1500 | 9 | 0 | 0 | 1-10 | 4 | 1 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 16 |
| | | | | 11-27 | 1 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 1 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 22 |
| 1800 | 7 | 0 | 0 | 1-10 | 3 | 3 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 2 | 1 | 16 |
| | | | | 11-27 | 0 | 2 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 5 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 2 | 2 | 24 |
| 2100 | 9 | 0 | 0 | 1-10 | 3 | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 2 | 14 |
| | | | | 11-27 | 2 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 2 | 1 | 5 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 3 | 22 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### HAMA (A) - DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 15 | 0 | 0 | 1-10 | 1 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | 0 | 1 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 2 | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | 0 | 1 | 0 | 16 |
| 0300 | 14 | 0 | 0 | 1-10 | 0 | 0 | 1 | 2 | 7 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 2 | 7 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 17 |
| 0600 | 15 | 0 | 0 | 1-10 | 1 | 0 | 0 | 2 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 2 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 16 |
| 0900 | 9 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 7 | 2 | 2 | 0 | 21 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 7 | 2 | 2 | 0 | 22 |
| 1200 | 5 | 0 | 0 | 1-10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 0 | 3 | 15 |
| | | | | 11-27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 0 | 0 | 2 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 9 | 2 | 0 | 5 | 26 |
| 1500 | 2 | 0 | 0 | 1-10 | 4 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 5 | 5 | 1 | 1 | 21 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 9 | 6 | 1 | 1 | 29 |
| 1800 | 11 | 0 | 0 | 1-10 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 3 | 0 | 1 | 3 | 1 | 3 | 3 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 3 | 0 | 1 | 3 | 1 | 3 | 3 | 20 |
| 2100 | 14 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 4 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 4 | 0 | 0 | 0 | 17 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

### KHARABO — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 24 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 5 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | • | • | • | • | • | • | 2 | 1 | • | 4 | • | 7 |
| 0300 | 19 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 3 | 2 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | • | • | • | • | • | • | 1 | 2 | 4 | 3 | 2 | 12 |
| 0600 | 26 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | • | • | • | • | • | • | • | • | • | • | 1 | 1 | • | 1 | 1 | 5 |
| 0900 | 15 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 10 | 13 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | • | • | • | • | • | • | • | • | • | • | 2 | • | 1 | 2 | 10 | 16 |
| 1200 | 15 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 8 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | • | • | • | • | • | • | 2 | 2 | 1 | 3 | 8 | 16 |
| 1500 | 22 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | • | • | • | • | • | • | • | • | • | 1 | 3 | 2 | 1 | • | 1 | 9 |
| 1800 | 18 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 2 | 8 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | • | • | • | • | • | • | • | • | • | • | 3 | 1 | 2 | 3 | 3 | 13 |
| 2100 | 23 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 6 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | • | • | • | • | • | • | • | • | • | • | 1 | 1 | 2 | 2 | 1 | 1 | 8 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**SALAMIYIE — DECEMBER 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 5 |
| 0300 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 5 |
| 0600 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 4 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 5 |
| 0900 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 1 | 2 | 0 | 3 | 2 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 | 7 | 1 | 2 | 0 | 3 | 3 | 22 |
| 1200 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 2 | 6 | 2 | 3 | 19 |
| | | | | 11-27 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 6 | 2 | 2 | 6 | 2 | 3 | 25 |
| 1500 | 14 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 1 | 3 | 5 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 2 | 0 | 1 | 3 | 6 | 17 |
| 1800 | 24 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 2 | 6 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 2 | 7 |
| 2100 | 18 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**FIQ—DECEMBER 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | — | — | — | 1-10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11-27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28-47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥ 48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0300 | — | — | — | 1-10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11-27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28-47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥ 48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0600 | 2 | 0 | 0 | 1-10 | 0 | 1 | 0 | 1 | 7 | 0 | 1 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 15 |
| | | | | 11-27 | 0 | 0 | 1 | 0 | 11 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 1 | 1 | 18 | 0 | 2 | 0 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 29 |
| 0900 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 6 | 1 | 1 | 1 | 1 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 8 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 14 | 2 | 1 | 1 | 1 | 3 | 4 | 3 | 1 | 0 | 0 | 0 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 1 | 2 | 1 | 1 | 3 | 13 | 0 | 0 | 0 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 6 | 0 | 1 | 1 | 2 | 1 | 1 | 4 | 14 | 0 | 0 | 0 | 31 |
| 1500 | 5 | 0 | 0 | 1-10 | 2 | 1 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 6 | 2 | 1 | 1 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 1 | 3 | 0 | 2 | 1 | 0 | 1 | 3 | 1 | 7 | 2 | 1 | 1 | 26 |
| 1800 | 4 | 0 | 0 | 1-10 | 2 | 2 | 2 | 2 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 17 |
| | | | | 11-27 | 0 | 2 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 2 | 2 | 9 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 1 | 1 | 1 | 0 | 27 |
| 2100 | — | — | — | 1-10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 11-27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | 28-47 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | ≥ 48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | | | | All speeds | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### PALMYRA (A)—DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 12 | 0 | 0 | 1–10 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 2 | 1 | 1 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 2 | 1 | 1 | 19 |
| 0300 | 13 | 0 | 0 | 1–10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 1 | 3 | 1 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 2 | 3 | 1 | 18 |
| 0600 | 14 | 0 | 0 | 1–10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 8 | 1 | 0 | 0 | 16 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 8 | 2 | 0 | 0 | 17 |
| 0900 | 11 | 0 | 0 | 1–10 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 8 | 1 | 0 | 0 | 18 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 8 | 1 | 0 | 0 | 20 |
| 1200 | 7 | 0 | 0 | 1–10 | 0 | 3 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 10 | 1 | 2 | 1 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 10 | 1 | 2 | 1 | 24 |
| 1500 | 17 | 0 | 0 | 1–10 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 1 | 13 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 1 | 14 |
| 1800 | 11 | 0 | 0 | 1–10 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 4 | 18 |
| | | | | 11–27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 4 | 20 |
| 2100 | 13 | 0 | 0 | 1–10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 0 | 0 | 2 | 15 |
| | | | | 11–27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 0 | 0 | 2 | 18 |

TABLE A 6. — NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DEIR EZZOR (A) – DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 28 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 3 |
| 0300 | 28 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 3 |
| 0600 | 27 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 4 |
| 0900 | 15 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 16 |
| 1200 | 11 | 0 | 0 | 1-10 | 0 | 2 | 1 | 0 | 1 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 1 | 0 | 2 | 1 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 20 |
| 1500 | 20 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 11 |
| 1800 | 26 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 5 |
| 2100 | 28 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## RAQQA — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 5 | 0 | 0 | 1-10 | 2 | 1 | 0 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 1 | 1 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 1 | 1 | 26 |
| 0300 | 5 | 0 | 0 | 1-10 | 3 | 0 | 2 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 2 | 0 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 2 | 2 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 2 | 0 | 26 |
| 0600 | 4 | 0 | 0 | 1-10 | 3 | 1 | 1 | 2 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 8 | 2 | 0 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 1 | 4 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 8 | 2 | 0 | 0 | 27 |
| 0900 | 2 | 0 | 0 | 1-10 | 0 | 1 | 0 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 1 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 3 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 1 | 0 | 29 |
| 1200 | 1 | 0 | 0 | 1-10 | 1 | 2 | 1 | 3 | 6 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 5 | 1 | 0 | 1 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 7 | 1 | 4 | 12 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 5 | 1 | 0 | 1 | 30 |
| 1500 | 3 | 0 | 0 | 1-10 | 2 | 1 | 0 | 5 | 6 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 1 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 6 | 10 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 1 | 0 | 28 |
| 1800 | 4 | 0 | 0 | 1-10 | 1 | 1 | 0 | 6 | 5 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 6 | 1 | 0 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 6 | 9 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 6 | 1 | 0 | 0 | 27 |
| 2100 | 5 | 0 | 0 | 1-10 | 1 | 0 | 3 | 2 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 5 | 1 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 3 | 5 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 5 | 1 | 0 | 26 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## QAMISHLIE (A) — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | All directions |
| 0000 | 12 | 0 | 0 | 1–10 | 5 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 15 |
| | | | | 11–27 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 19 |
| 0300 | 16 | 0 | 0 | 1–10 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 |
| | | | | 11–27 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 15 |
| 0600 | 12 | 0 | 0 | 1–10 | 8 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 12 |
| | | | | 11–27 | 3 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 19 |
| 0900 | 13 | 0 | 0 | 1–10 | 3 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 11–27 | 2 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 2 | 2 | 7 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 1200 | 13 | 0 | 0 | 1–10 | 3 | 0 | 3 | 2 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11–27 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 5 | 3 | 5 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 18 |
| 1500 | 20 | 0 | 0 | 1–10 | 0 | 0 | 1 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 10 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 4 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 11 |
| 1800 | 15 | 0 | 0 | 1–10 | 6 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 16 |
| 2100 | 13 | 0 | 0 | 1–10 | 4 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 15 |
| | | | | 11–27 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 18 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## SALLUM — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 8 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 3 | 0 | 1 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 6 | 2 | 1 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 3 | 9 | 2 | 2 | 23 |
| 0300 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 1 | 5 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 6 | 6 | 2 | 1 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 6 | 8 | 2 | 2 | 22 |
| 0600 | 8 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 5 |
| | | | | 11-27 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 3 | 4 | 2 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 6 | 4 | 4 | 2 | 23 |
| 0900 | 3 | 0 | 0 | 1-10 | 2 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 2 | 2 | 1 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 | 6 | 1 | 1 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 0 | 1 | 3 | 1 | 1 | 2 | 7 | 8 | 2 | 1 | 28 |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 0 | 3 | 4 | 0 | 3 | 1 | 2 | 0 | 3 | 0 | 1 | 18 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 4 | 3 | 2 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 3 | 4 | 1 | 3 | 2 | 3 | 4 | 6 | 2 | 1 | 31 |
| 1500 | 1 | 0 | 0 | 1-10 | 1 | 1 | 3 | 2 | 0 | 2 | 0 | 1 | 2 | 2 | 0 | 1 | 15 |
| | | | | 11-27 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 3 | 1 | 3 | 2 | 1 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 3 | 3 | 2 | 3 | 0 | 4 | 3 | 5 | 2 | 2 | 30 |
| 1800 | 8 | 0 | 0 | 1-10 | 1 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 2 | 4 | 0 | 1 | 13 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 1 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 0 | 1 | 1 | 3 | 1 | 1 | 1 | 4 | 7 | 1 | 1 | 23 |
| 2100 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 3 | 3 | 1 | 2 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 4 | 1 | 0 | 1 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 1 | 7 | 4 | 1 | 3 | 22 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MERSA MATRUH (A) — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 3 | 3 | 0 | 1 | 0 | 14 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 9 | 0 | 0 | 2 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 7 | 5 | 3 | 12 | 0 | 1 | 2 | 31 |
| 0300 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 3 | 3 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | 8 | 0 | 0 | 0 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 0 | 7 | 1 | 10 | 11 | 0 | 0 | 0 | 31 |
| 0600 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 3 | 1 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 5 | 9 | 0 | 0 | 0 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 2 | 3 | 6 | 8 | 11 | 0 | 0 | 0 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 11 |
| | | | | 11-27 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 3 | 6 | 2 | 0 | 1 | 18 |
| | | | | 28-47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 1 | 2 | 3 | 1 | 1 | 3 | 8 | 3 | 2 | 2 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 4 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 10 |
| | | | | 11-27 | 0 | 2 | 2 | 0 | 2 | 1 | 1 | 1 | 4 | 5 | 0 | 2 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 2 | 0 | 3 | 1 | 2 | 1 | 4 | 6 | 0 | 5 | 31 |
| 1500 | 1 | 0 | 0 | 1-10 | 3 | 1 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 13 |
| | | | | 11-27 | 0 | 0 | 1 | 2 | 1 | 0 | 1 | 0 | 4 | 3 | 4 | 1 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 1 | 3 | 3 | 2 | 1 | 2 | 0 | 4 | 3 | 5 | 3 | 30 |
| 1800 | 0 | 0 | 0 | 1-10 | 2 | 0 | 1 | 4 | 3 | 2 | 0 | 1 | 2 | 1 | 1 | 1 | 18 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 4 | 0 | 4 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 1 | 4 | 5 | 3 | 1 | 5 | 2 | 5 | 1 | 1 | 31 |
| 2100 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 9 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 3 | 3 | 4 | 5 | 1 | 2 | 1 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 2 | 3 | 4 | 3 | 5 | 8 | 1 | 2 | 1 | 30 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ALEXANDRIA (A) — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 0 | 0 | 0 | 1-10 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 21 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 3 | 0 | 0 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **3** | **3** | **3** | **4** | **2** | **3** | **7** | **0** | **3** | **0** | **0** | **31** |
| 0300 | 0 | 0 | 0 | 1-10 | 2 | 3 | 3 | 2 | 3 | 2 | 4 | 1 | 0 | 1 | 0 | 1 | 22 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 1 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **3** | **3** | **2** | **3** | **2** | **4** | **7** | **1** | **1** | **1** | **1** | **31** |
| 0600 | 0 | 0 | 0 | 1-10 | 2 | 1 | 3 | 2 | 3 | 5 | 2 | 4 | 1 | 0 | 0 | 1 | 24 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **2** | **3** | **2** | **3** | **5** | **3** | **7** | **2** | **0** | **1** | **1** | **31** |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 0 | 0 | 5 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 11 |
| | | | | 11-27 | 1 | 2 | 2 | 2 | 0 | 0 | 3 | 6 | 1 | 0 | 0 | 2 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **2** | **2** | **7** | **1** | **0** | **5** | **7** | **1** | **0** | **0** | **3** | **31** |
| 1200 | 0 | 0 | 0 | 1-10 | 3 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 3 | 10 |
| | | | | 11-27 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 5 | 4 | 2 | 1 | 1 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **7** | **3** | **1** | **1** | **0** | **2** | **0** | **5** | **4** | **3** | **1** | **4** | **31** |
| 1500 | 0 | 0 | 0 | 1-10 | 6 | 3 | 0 | 2 | 0 | 1 | 0 | 1 | 2 | 2 | 1 | 1 | 19 |
| | | | | 11-27 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 1 | 12 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **8** | **6** | **0** | **2** | **0** | **1** | **0** | **4** | **5** | **2** | **1** | **2** | **31** |
| 1800 | 1 | 0 | 0 | 1-10 | 4 | 2 | 4 | 3 | 1 | 0 | 4 | 1 | 1 | 1 | 0 | 1 | 22 |
| | | | | 11-27 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **3** | **5** | **3** | **1** | **0** | **5** | **3** | **2** | **2** | **0** | **1** | **30** |
| 2100 | 0 | 0 | 0 | 1-10 | 2 | 3 | 4 | 3 | 3 | 3 | 2 | 1 | 1 | 0 | 0 | 1 | 23 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 2 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **3** | **4** | **3** | **3** | **3** | **2** | **6** | **1** | **2** | **0** | **1** | **31** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## DEKHEILA (A) — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 2 | 0 | 0 | 1–10 | 0 | 2 | 1 | 2 | 2 | 3 | 5 | 2 | 1 | 1 | 0 | 1 | 20 |
| | | | | 11–27 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 1 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **3** | **1** | **2** | **2** | **3** | **5** | **3** | **5** | **2** | **1** | **1** | **29** |
| 0300 | 0 | 0 | 0 | 1–10 | 2 | 1 | 1 | 4 | 1 | 3 | 3 | 2 | 5 | 0 | 0 | 0 | 22 |
| | | | | 11–27 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **2** | **2** | **4** | **1** | **3** | **3** | **3** | **7** | **2** | **0** | **0** | **31** |
| 0600 | 0 | 0 | 0 | 1–10 | 1 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 0 | 0 | 1 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 0 | 0 | 1 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **3** | **2** | **2** | **2** | **3** | **4** | **6** | **6** | **0** | **0** | **2** | **31** |
| 0900 | 0 | 0 | 0 | 1–10 | 0 | 3 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 0 | 0 | 1 | 20 |
| | | | | 11–27 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 1 | 1 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **4** | **1** | **3** | **3** | **4** | **1** | **3** | **7** | **1** | **1** | **1** | **31** |
| 1200 | 0 | 0 | 0 | 1–10 | 5 | 2 | 1 | 1 | 0 | 2 | 2 | 1 | 0 | 1 | 0 | 0 | 15 |
| | | | | 11–27 | 1 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 4 | 4 | 2 | 0 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **5** | **2** | **1** | **1** | **2** | **2** | **1** | **4** | **5** | **2** | **0** | **31** |
| 1500 | 0 | 0 | 0 | 1–10 | 3 | 3 | 5 | 0 | 2 | 1 | 0 | 0 | 2 | 4 | 1 | 1 | 22 |
| | | | | 11–27 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **5** | **7** | **0** | **2** | **1** | **0** | **0** | **5** | **5** | **1** | **2** | **31** |
| 1800 | 1 | 0 | 0 | 1–10 | 1 | 2 | 2 | 6 | 3 | 1 | 0 | 1 | 5 | 0 | 1 | 1 | 23 |
| | | | | 11–27 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 7 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **4** | **3** | **6** | **3** | **1** | **0** | **1** | **7** | **1** | **2** | **1** | **30** |
| 2100 | 2 | 0 | 0 | 1–10 | 1 | 0 | 1 | 6 | 2 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | 19 |
| | | | | 11–27 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 2 | 1 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **1** | **2** | **6** | **2** | **3** | **3** | **3** | **4** | **0** | **2** | **1** | **29** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## PORT SAID (A) — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | All directions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | |
| 0000 | 1 | 0 | 0 | 1-10 | 1 | 6 | 1 | 1 | 1 | 6 | 2 | 1 | 4 | 0 | 0 | 0 | 23 |
| | | | | 11-27 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 7 | 2 | 2 | 1 | 6 | 2 | 1 | 7 | 1 | 0 | 0 | 30 |
| 0300 | 1 | 0 | 0 | 1-10 | 0 | 3 | 3 | 1 | 3 | 3 | 2 | 4 | 1 | 1 | 0 | 1 | 22 |
| | | | | 11-27 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 3 | 4 | 1 | 3 | 3 | 2 | 4 | 5 | 3 | 0 | 1 | 30 |
| 0600 | 0 | 0 | 0 | 1-10 | 2 | 4 | 1 | 2 | 2 | 5 | 2 | 3 | 2 | 1 | 0 | 0 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 1 | 2 | 2 | 5 | 3 | 3 | 8 | 1 | 0 | 0 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 4 | 0 | 5 | 1 | 0 | 6 | 5 | 3 | 2 | 0 | 0 | 28 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 3 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 4 | 0 | 5 | 1 | 0 | 6 | 6 | 4 | 2 | 0 | 1 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 6 | 1 | 4 | 3 | 0 | 0 | 0 | 3 | 2 | 3 | 2 | 2 | 26 |
| | | | | 11-27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 2 | 4 | 3 | 0 | 0 | 0 | 3 | 6 | 3 | 2 | 2 | 31 |
| 1500 | 1 | 0 | 0 | 1-10 | 4 | 2 | 3 | 4 | 0 | 1 | 0 | 0 | 4 | 2 | 0 | 4 | 24 |
| | | | | 11-27 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 5 | 6 | 0 | 1 | 0 | 0 | 6 | 2 | 0 | 4 | 30 |
| 1800 | 2 | 0 | 0 | 1-10 | 6 | 3 | 4 | 2 | 2 | 1 | 1 | 1 | 2 | 0 | 0 | 1 | 23 |
| | | | | 11-27 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 3 | 6 | 3 | 2 | 1 | 1 | 3 | 2 | 1 | 0 | 1 | 29 |
| 2100 | 1 | 0 | 0 | 1-10 | 1 | 5 | 1 | 6 | 1 | 2 | 2 | 2 | 3 | 0 | 1 | 0 | 24 |
| | | | | 11-27 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 6 | 2 | 7 | 1 | 2 | 2 | 3 | 4 | 1 | 1 | 0 | 30 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## EL ARISH — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 7 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 1 | 13 | 4 | 0 | 5 | 0 | 0 | 0 | 23 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 13 | 5 | 0 | 5 | 0 | 0 | 0 | 24 |
| 0300 | 5 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 1 | 12 | 6 | 1 | 4 | 1 | 0 | 0 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 12 | 6 | 1 | 5 | 1 | 0 | 0 | 26 |
| 0600 | 5 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 2 | 12 | 4 | 1 | 6 | 0 | 0 | 0 | 25 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 2 | 12 | 4 | 1 | 7 | 0 | 0 | 0 | 26 |
| 0900 | 1 | 0 | 0 | 1–10 | 0 | 0 | 2 | 1 | 4 | 10 | 2 | 3 | 0 | 3 | 1 | 1 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 2 | 1 | 4 | 10 | 2 | 3 | 2 | 4 | 1 | 1 | 30 |
| 1200 | 0 | 0 | 0 | 1–10 | 6 | 7 | 1 | 3 | 0 | 1 | 1 | 1 | 1 | 0 | 4 | 4 | 29 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 7 | 1 | 3 | 0 | 1 | 1 | 1 | 1 | 1 | 5 | 4 | 31 |
| 1500 | 7 | 0 | 0 | 1–10 | 7 | 3 | 1 | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 5 | 2 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 7 | 3 | 1 | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 5 | 2 | 24 |
| 1800 | 15 | 0 | 0 | 1–10 | 1 | 2 | 0 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 0 | 0 | 15 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 2 | 0 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 0 | 0 | 16 |
| 2100 | 7 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 1 | 10 | 5 | 1 | 3 | 3 | 0 | 0 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 1 | 10 | 5 | 1 | 3 | 3 | 0 | 0 | 24 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABU SUEIR (A) — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 354 | All directions |
| 0000 | 20 | 0 | 0 | 1–10 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 4 | 1 | 0 | 0 | 9 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **0** | **0** | **0** | **1** | **1** | **1** | **5** | **2** | **0** | **0** | **11** |
| 0300 | 19 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 3 | 1 | 0 | 0 | 8 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **2** | **1** | **1** | **4** | **4** | **0** | **0** | **12** |
| 0600 | 15 | 0 | 0 | 1–10 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 6 | 0 | 0 | 0 | 11 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **0** | **0** | **3** | **1** | **1** | **9** | **1** | **1** | **0** | **16** |
| 0900 | 9 | 0 | 0 | 1–10 | 0 | 3 | 2 | 2 | 0 | 3 | 0 | 0 | 1 | 1 | 2 | 0 | 14 |
| | | | | 11–27 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 0 | 1 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **3** | **3** | **2** | **0** | **3** | **1** | **0** | **5** | **2** | **2** | **1** | **22** |
| 1200 | 1 | 0 | 0 | 1–10 | 1 | 1 | 1 | 3 | 1 | 0 | 0 | 2 | 1 | 4 | 0 | 0 | 14 |
| | | | | 11–27 | 0 | 1 | 5 | 1 | 0 | 1 | 0 | 0 | 2 | 5 | 0 | 1 | 16 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **2** | **6** | **4** | **1** | **1** | **0** | **2** | **3** | **9** | **0** | **1** | **30** |
| 1500 | 3 | 0 | 0 | 1–10 | 5 | 7 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 5 | 2 | 0 | 23 |
| | | | | 11–27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **8** | **1** | **0** | **0** | **2** | **0** | **0** | **3** | **7** | **2** | **0** | **28** |
| 1800 | 8 | 0 | 0 | 1–10 | 1 | 4 | 5 | 2 | 0 | 1 | 1 | 1 | 0 | 3 | 0 | 3 | 21 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **4** | **5** | **2** | **0** | **1** | **1** | **2** | **1** | **3** | **0** | **3** | **23** |
| 2100 | 17 | 0 | 0 | 1–10 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 2 | 4 | 1 | 0 | 0 | 12 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **1** | **1** | **0** | **1** | **0** | **3** | **5** | **1** | **0** | **0** | **14** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## CAIRO (A) —DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 7 | 0 | 0 | 1–10 | 0 | 0 | 4 | 5 | 4 | 2 | 4 | 2 | 2 | 0 | 0 | 1 | 24 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **4** | **5** | **4** | **2** | **4** | **2** | **2** | **0** | **0** | **1** | **24** |
| 0300 | 8 | 0 | 0 | 1–10 | 0 | 0 | 2 | 6 | 2 | 2 | 1 | 6 | 0 | 1 | 0 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **2** | **6** | **2** | **4** | **2** | **6** | **0** | **1** | **0** | **0** | **23** |
| 0600 | 8 | 0 | 0 | 1–10 | 2 | 1 | 1 | 5 | 3 | 2 | 1 | 3 | 1 | 1 | 0 | 0 | 20 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **1** | **1** | **5** | **3** | **3** | **1** | **5** | **1** | **1** | **0** | **0** | **23** |
| 0900 | 1 | 0 | 0 | 1–10 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 4 | 6 | 0 | 3 | 22 |
| | | | | 11–27 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 8 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **2** | **4** | **2** | **0** | **0** | **1** | **4** | **5** | **6** | **0** | **3** | **30** |
| 1200 | 0 | 0 | 0 | 1–10 | 2 | 2 | 4 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 4 | 1 | 20 |
| | | | | 11–27 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 5 | 1 | 1 | 0 | 0 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **2** | **8** | **0** | **0** | **0** | **0** | **7** | **2** | **5** | **4** | **1** | **31** |
| 1500 | 1 | 0 | 0 | 1–10 | 4 | 10 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 4 | 3 | 1 | 28 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **10** | **0** | **0** | **0** | **0** | **1** | **5** | **2** | **4** | **3** | **1** | **30** |
| 1800 | 3 | 0 | 0 | 1–10 | 3 | 2 | 6 | 3 | 0 | 3 | 5 | 3 | 0 | 2 | 0 | 0 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **2** | **6** | **4** | **0** | **3** | **5** | **3** | **0** | **2** | **0** | **0** | **28** |
| 2100 | 4 | 0 | 0 | 1–10 | 2 | 0 | 1 | 10 | 1 | 3 | 1 | 6 | 1 | 0 | 0 | 1 | 26 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **1** | **10** | **1** | **3** | **1** | **7** | **1** | **0** | **0** | **1** | **27** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ALMAZA (A) — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1-10 | 0 | 2 | 1 | 2 | 3 | 4 | 5 | 3 | 3 | 1 | 1 | 0 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **2** | **1** | **5** | **4** | **4** | **6** | **4** | **3** | **1** | **1** | **0** | **31** |
| 0300 | 2 | 0 | 0 | 1-10 | 0 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 1 | 2 | 1 | 0 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **3** | **2** | **3** | **4** | **3** | **4** | **4** | **2** | **3** | **1** | **0** | **29** |
| 0600 | 2 | 0 | 0 | 1-10 | 1 | 1 | 5 | 1 | 3 | 2 | 3 | 2 | 1 | 1 | 0 | 1 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 1 | 1 | 0 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **1** | **5** | **1** | **4** | **2** | **4** | **6** | **2** | **2** | **0** | **1** | **29** |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 1 | 18 |
| | | | | 11-27 | 0 | 0 | 4 | 2 | 0 | 0 | 1 | 1 | 4 | 1 | 0 | 0 | 13 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **3** | **8** | **2** | **0** | **0** | **1** | **1** | **7** | **3** | **3** | **1** | **31** |
| 1200 | 0 | 0 | 0 | 1-10 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 3 | 2 | 14 |
| | | | | 11-27 | 0 | 1 | 7 | 1 | 0 | 0 | 0 | 3 | 4 | 1 | 0 | 0 | 17 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **2** | **8** | **1** | **0** | **0** | **1** | **3** | **5** | **5** | **3** | **2** | **31** |
| 1500 | 0 | 0 | 0 | 1-10 | 2 | 5 | 4 | 1 | 0 | 0 | 0 | 2 | 5 | 1 | 1 | 1 | 22 |
| | | | | 11-27 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **5** | **9** | **2** | **0** | **0** | **0** | **2** | **6** | **3** | **1** | **1** | **31** |
| 1800 | 1 | 0 | 0 | 1-10 | 0 | 4 | 3 | 3 | 1 | 4 | 2 | 2 | 0 | 2 | 2 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **4** | **3** | **7** | **1** | **5** | **2** | **3** | **1** | **2** | **2** | **0** | **30** |
| 2100 | 1 | 0 | 0 | 1-10 | 1 | 1 | 2 | 6 | 1 | 1 | 4 | 2 | 2 | 3 | 1 | 0 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **1** | **2** | **7** | **3** | **2** | **4** | **4** | **2** | **3** | **1** | **0** | **30** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ABBASIYA (H.Q.) — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 18 | 0 | 0 | 1-10 | 3 | 0 | 3 | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 3 | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 13 |
| 0300 | 19 | 0 | 0 | 1-10 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 5 | 1 | 0 | 1 | 1 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 5 | 1 | 0 | 1 | 1 | 12 |
| 0600 | 15 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 1 | 0 | 4 | 3 | 1 | 0 | 1 | 3 | 16 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 0 | 0 | 1 | 0 | 4 | 3 | 1 | 0 | 1 | 3 | 16 |
| 0900 | 1 | 0 | 0 | 1-10 | 6 | 3 | 2 | 0 | 0 | 2 | 2 | 7 | 1 | 1 | 2 | 0 | 26 |
| | | | | 11-27 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 4 | 3 | 0 | 0 | 2 | 3 | 8 | 1 | 1 | 2 | 0 | 30 |
| 1200 | 2 | 0 | 0 | 1-10 | 5 | 3 | 2 | 0 | 0 | 2 | 1 | 4 | 2 | 0 | 3 | 2 | 24 |
| | | | | 11-27 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 5 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 3 | 4 | 0 | 0 | 2 | 2 | 6 | 2 | 0 | 3 | 2 | 29 |
| 1500 | 6 | 0 | 0 | 1-10 | 10 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 1 | 2 | 1 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 10 | 3 | 0 | 0 | 0 | 0 | 4 | 3 | 2 | 2 | 1 | 0 | 25 |
| 1800 | 12 | 0 | 0 | 1-10 | 2 | 5 | 1 | 0 | 3 | 1 | 2 | 2 | 1 | 2 | 0 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 5 | 1 | 0 | 3 | 1 | 2 | 2 | 1 | 2 | 0 | 0 | 19 |
| 2100 | 11 | 0 | 0 | 1-10 | 4 | 3 | 1 | 3 | 0 | 1 | 1 | 3 | 2 | 2 | 0 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 3 | 1 | 3 | 0 | 1 | 1 | 3 | 2 | 2 | 0 | 0 | 20 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## MOSTAFA HELMI (A) — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1-10 | 1 | 6 | 2 | 2 | 2 | 0 | 4 | 3 | 1 | 0 | 1 | 1 | 23 |
| | | | | 11-27 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 3 | 1 | 0 | 8 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **6** | **2** | **3** | **2** | **0** | **5** | **4** | **1** | **3** | **2** | **1** | **31** |
| 0300 | 2 | 0 | 0 | 1-10 | 2 | 3 | 4 | 2 | 0 | 2 | 1 | 2 | 2 | 1 | 1 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 3 | 0 | 1 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **3** | **4** | **3** | **0** | **2** | **2** | **4** | **3** | **4** | **1** | **1** | **29** |
| 0600 | 2 | 0 | 0 | 1-10 | 3 | 0 | 4 | 1 | 0 | 0 | 4 | 2 | 4 | 0 | 1 | 1 | 20 |
| | | | | 11-27 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 2 | 0 | 2 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **0** | **4** | **2** | **0** | **0** | **4** | **5** | **6** | **0** | **3** | **1** | **29** |
| 0900 | 2 | 0 | 0 | 1-10 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 9 |
| | | | | 11-27 | 1 | 1 | 5 | 1 | 0 | 0 | 0 | 5 | 1 | 3 | 1 | 1 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **1** | **8** | **2** | **0** | **0** | **0** | **6** | **2** | **4** | **3** | **1** | **29** |
| 1200 | 2 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 2 | 8 |
| | | | | 11-27 | 1 | 2 | 5 | 3 | 0 | 0 | 0 | 2 | 4 | 2 | 1 | 1 | 21 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **2** | **6** | **3** | **0** | **0** | **0** | **2** | **5** | **2** | **4** | **3** | **29** |
| 1500 | 1 | 0 | 0 | 1-10 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 1 | 12 |
| | | | | 11-27 | 0 | 2 | 7 | 1 | 0 | 0 | 0 | 2 | 1 | 3 | 1 | 1 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **4** | **9** | **1** | **0** | **0** | **0** | **4** | **1** | **5** | **3** | **2** | **30** |
| 1800 | 2 | 0 | 0 | 1-10 | 2 | 3 | 4 | 0 | 1 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 15 |
| | | | | 11-27 | 1 | 3 | 2 | 2 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 14 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **6** | **6** | **2** | **1** | **1** | **1** | **1** | **3** | **3** | **1** | **1** | **29** |
| 2100 | 1 | 0 | 0 | 1-10 | 1 | 2 | 5 | 1 | 0 | 3 | 3 | 0 | 1 | 1 | 1 | 1 | 19 |
| | | | | 11-27 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 0 | 3 | 2 | 0 | 1 | 11 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **2** | **9** | **1** | **1** | **3** | **3** | **0** | **4** | **3** | **1** | **2** | **30** |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## GIZA — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 12 | 0 | 0 | 1-10 | 1 | 1 | 0 | 0 | 3 | 6 | 0 | 0 | 1 | 1 | 5 | 1 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 3 | 6 | 0 | 0 | 1 | 1 | 5 | 1 | 19 |
| 0300 | 13 | 0 | 0 | 1-10 | 1 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 2 | 2 | 2 | 3 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 2 | 2 | 2 | 3 | 18 |
| 0600 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 5 | 7 | 1 | 1 | 0 | 2 | 4 | 2 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 5 | 7 | 1 | 1 | 0 | 2 | 4 | 2 | 22 |
| 0900 | 0 | 0 | 0 | 1-10 | 3 | 2 | 0 | 0 | 2 | 8 | 2 | 1 | 2 | 1 | 3 | 6 | 30 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 2 | 0 | 0 | 2 | 9 | 2 | 1 | 2 | 1 | 3 | 6 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 6 | 3 | 0 | 0 | 1 | 1 | 5 | 5 | 0 | 3 | 3 | 4 | 31 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 3 | 0 | 0 | 1 | 1 | 5 | 5 | 0 | 3 | 3 | 4 | 31 |
| 1500 | 7 | 0 | 0 | 1-10 | 8 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 1 | 0 | 2 | 5 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 8 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 1 | 0 | 2 | 5 | 24 |
| 1800 | 12 | 0 | 0 | 1-10 | 4 | 2 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 2 | 0 | 5 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 2 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 2 | 0 | 5 | 19 |
| 2100 | 12 | 0 | 0 | 1-10 | 4 | 1 | 1 | 0 | 4 | 1 | 1 | 1 | 2 | 0 | 3 | 1 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 4 | 1 | 1 | 0 | 4 | 1 | 1 | 1 | 2 | 0 | 3 | 1 | 19 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

**MINYA (A) — DECEMBER 1959**

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 4 | 0 | 0 | 1–10 | 7 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 2 | 0 | 11 | 26 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **8** | **0** | **0** | **0** | **3** | **3** | **0** | **0** | **0** | **2** | **0** | **11** | **27** |
| 0300 | 2 | 0 | 0 | 1–10 | 3 | 0 | 0 | 0 | 0 | 5 | 3 | 1 | 0 | 1 | 0 | 14 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **0** | **0** | **0** | **0** | **5** | **3** | **1** | **0** | **1** | **0** | **16** | **29** |
| 0600 | 3 | 0 | 0 | 1–10 | 2 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 1 | 1 | 3 | 13 | 28 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **0** | **0** | **0** | **7** | **1** | **0** | **1** | **1** | **3** | **13** | **28** |
| 0900 | 1 | 0 | 0 | 1–10 | 5 | 3 | 0 | 0 | 1 | 3 | 6 | 1 | 1 | 2 | 0 | 2 | 24 |
| | | | | 11–27 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **3** | **0** | **0** | **1** | **3** | **6** | **1** | **1** | **2** | **0** | **2** | **30** |
| 1200 | 0 | 0 | 0 | 1–10 | 5 | 1 | 0 | 0 | 0 | 1 | 2 | 2 | 6 | 3 | 1 | 1 | 22 |
| | | | | 11–27 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 9 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **11** | **2** | **0** | **0** | **0** | **1** | **2** | **2** | **7** | **3** | **1** | **2** | **31** |
| 1500 | 2 | 0 | 0 | 1–10 | 7 | 1 | 0 | 0 | 0 | 4 | 1 | 1 | 2 | 2 | 2 | 7 | 27 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **9** | **1** | **0** | **0** | **0** | **4** | **1** | **1** | **2** | **2** | **2** | **7** | **29** |
| 1800 | 3 | 0 | 0 | 1–10 | 9 | 1 | 0 | 0 | 3 | 2 | 1 | 1 | 4 | 0 | 0 | 3 | 24 |
| | | | | 11–27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **12** | **1** | **0** | **0** | **3** | **2** | **1** | **1** | **4** | **0** | **0** | **4** | **28** |
| 2100 | 4 | 0 | 0 | 1–10 | 2 | 1 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 3 | 12 | 24 |
| | | | | 11–27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **1** | **1** | **0** | **2** | **1** | **1** | **1** | **0** | **0** | **3** | **13** | **27** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ASYOUT (A)—DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 12 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 3 | 11 | 0 | 2 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 3 | 11 | 0 | 2 | 19 |
| 0300 | 12 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 3 | 11 | 1 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 3 | 11 | 1 | 1 | 19 |
| 0600 | 12 | 0 | 0 | 1-10 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 12 | 2 | 0 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 12 | 2 | 0 | 19 |
| 0900 | 11 | 0 | 0 | 1-10 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 2 | 3 | 8 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | 0 | 2 | 3 | 9 | 20 |
| 1200 | 8 | 0 | 0 | 1-10 | 3 | 0 | 1 | 1 | 1 | 0 | 1 | 2 | 0 | 2 | 1 | 11 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 3 | 0 | 1 | 1 | 1 | 0 | 1 | 2 | 0 | 2 | 1 | 11 | 23 |
| 1500 | 9 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 1 | 5 | 12 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 1 | 5 | 12 | 22 |
| 1800 | 8 | 0 | 0 | 1-10 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 16 | 2 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 16 | 2 | 0 | 23 |
| 2100 | 6 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 7 | 15 | 0 | 1 | 25 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 7 | 15 | 0 | 1 | 25 |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## LUXOR (A) — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 18 | 0 | 0 | 1-10 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 2 | 1 | 0 | 0 | 2 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **3** | **0** | **0** | **0** | **0** | **3** | **2** | **2** | **1** | **0** | **0** | **2** | **13** |
| 0300 | 23 | 0 | 0 | 1-10 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 8 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **1** | **0** | **2** | **0** | **0** | **0** | **1** | **0** | **1** | **0** | **2** | **8** |
| 0600 | 21 | 0 | 0 | 1-10 | 2 | 1 | 0 | 3 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 10 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **1** | **0** | **3** | **0** | **1** | **1** | **1** | **0** | **1** | **0** | **0** | **10** |
| 0900 | 8 | 0 | 0 | 1-10 | 10 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **10** | **5** | **0** | **1** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **6** | **23** |
| 1200 | 6 | 0 | 0 | 1-10 | 12 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 7 | 24 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **12** | **1** | **0** | **0** | **0** | **1** | **0** | **0** | **1** | **1** | **1** | **8** | **25** |
| 1500 | 17 | 0 | 0 | 1-10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 4 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **4** | **1** | **5** | **14** |
| 1800 | 18 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 1 | 2 | 2 | 2 | 1 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **0** | **2** | **0** | **0** | **3** | **1** | **2** | **2** | **2** | **1** | **13** |
| 2100 | 13 | 0 | 0 | 1-10 | 5 | 0 | 0 | 0 | 1 | 1 | 6 | 2 | 1 | 2 | 0 | 0 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **5** | **0** | **0** | **0** | **1** | **1** | **6** | **2** | **1** | **2** | **0** | **0** | **18** |

**TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.**

## ASWAN (A)— DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 3 | 0 | 0 | 1–10 | 21 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 27 |
| | | | | 11–27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 21 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 28 |
| 0300 | 5 | 0 | 0 | 1–10 | 19 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 25 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 20 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 26 |
| 0600 | 0 | 0 | 0 | 1–10 | 25 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 31 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 25 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 31 |
| 0900 | 1 | 0 | 0 | 1–10 | 12 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| | | | | 11–27 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 13 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 23 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 30 |
| 1200 | 5 | 0 | 0 | 1–10 | 11 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 16 |
| | | | | 11–27 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 18 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 3 | 26 |
| 1500 | 2 | 0 | 0 | 1–10 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 2 | 18 |
| | | | | 11–27 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 11 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 19 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 5 | 29 |
| 1800 | 2 | 0 | 0 | 1–10 | 18 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 25 |
| | | | | 11–27 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 21 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 29 |
| 2100 | 2 | 0 | 0 | 1–10 | 18 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 25 |
| | | | | 11–27 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 20 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 29 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### SIWA — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 15 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 6 | 3 | 1 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 2 | 6 | 3 | 1 | 16 |
| 0300 | 15 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 1 | 5 | 1 | 0 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 1 | 1 | 6 | 2 | 1 | 16 |
| 0600 | 13 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 1 | 6 | 2 | 0 | 16 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 2 | 6 | 2 | 0 | 18 |
| 0900 | 3 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 3 | 2 | 2 | 1 | 2 | 4 | 4 | 1 | 19 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 3 | 2 | 0 | 9 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 4 | 4 | 2 | 1 | 2 | 7 | 6 | 1 | 28 |
| 1200 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 1 | 0 | 2 | 3 | 0 | 12 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 1 | 4 | 2 | 0 | 0 | 5 | 4 | 2 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 0 | 3 | 4 | 6 | 1 | 0 | 7 | 7 | 2 | 31 |
| 1500 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 2 | 1 | 3 | 1 | 0 | 1 | 8 | 3 | 1 | 20 |
| | | | | 11-27 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 4 | 0 | 2 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 2 | 1 | 4 | 3 | 0 | 1 | 12 | 3 | 3 | 30 |
| 1800 | 9 | 0 | 0 | 1-10 | 1 | 0 | 1 | 1 | 1 | 3 | 0 | 2 | 2 | 2 | 2 | 3 | 18 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 4 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 1 | 1 | 2 | 4 | 0 | 2 | 2 | 4 | 2 | 3 | 22 |
| 2100 | 13 | 0 | 0 | 1-10 | 1 | 0 | 0 | 4 | 1 | 2 | 0 | 0 | 1 | 5 | 2 | 1 | 17 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 4 | 1 | 2 | 0 | 0 | 1 | 6 | 2 | 1 | 18 |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### BAHARIYA — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 23 | 0 | 0 | 1–10 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 4 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 8 |
| 0300 | 26 | 0 | 0 | 1–10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 5 |
| 0600 | 25 | 0 | 0 | 1–10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 6 |
| 0900 | 11 | 0 | 0 | 1–10 | 5 | 3 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 14 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 6 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 6 | 3 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 4 | 2 | 1 | 20 |
| 1200 | 7 | 0 | 0 | 1–10 | 5 | 1 | 3 | 2 | 0 | 0 | 1 | 1 | 0 | 5 | 0 | 4 | 22 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 3 | 2 | 0 | 0 | 2 | 1 | 0 | 5 | 0 | 5 | 24 |
| 1500 | 7 | 0 | 0 | 1–10 | 2 | 5 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 2 | 3 | 19 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 5 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 5 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 4 | 4 | 4 | 24 |
| 1800 | 15 | 0 | 0 | 1–10 | 1 | 3 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 3 | 1 | 14 |
| | | | | 11–27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 3 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 4 | 2 | 16 |
| 2100 | 21 | 0 | 0 | 1–10 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 1 | 1 | 8 |
| | | | | 11–27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | 28–47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥ 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 2 | 1 | 10 |

TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

## DAKHLA — DECMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number of cases of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 9 | 0 | 0 | 1-10 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 3 | 4 | 5 | 4 | 0 | 20 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **0** | **1** | **1** | **0** | **0** | **2** | **3** | **4** | **6** | **4** | **1** | **22** |
| 0300 | 11 | 0 | 0 | 1-10 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 3 | 2 | 19 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **1** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **4** | **9** | **3** | **2** | **20** |
| 0600 | 8 | 0 | 0 | 1-10 | 2 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 9 | 7 | 0 | 23 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **0** | **1** | **0** | **0** | **2** | **0** | **0** | **2** | **9** | **7** | **0** | **23** |
| 0900 | 0 | 0 | 0 | 1-10 | 2 | 0 | 5 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 10 | 4 | 24 |
| | | | | 11-27 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 7 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **4** | **1** | **5** | **0** | **1** | **1** | **0** | **0** | **0** | **1** | **12** | **6** | **31** |
| 1200 | 1 | 0 | 0 | 1-10 | 2 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 2 | 3 | 8 | 20 |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 2 | 10 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **0** | **1** | **2** | **1** | **2** | **0** | **0** | **0** | **3** | **5** | **10** | **30** |
| 1500 | 4 | 0 | 0 | 1-10 | 6 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 3 | 6 | 21 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 6 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **6** | **2** | **0** | **0** | **1** | **1** | **0** | **0** | **0** | **2** | **5** | **10** | **27** |
| 1800 | 8 | 0 | 0 | 1-10 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 4 | 10 | 3 | 22 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **2** | **1** | **0** | **0** | **0** | **1** | **1** | **0** | **0** | **4** | **10** | **4** | **23** |
| 2100 | 3 | 0 | 0 | 1-10 | 0 | 1 | 0 | 0 | 1 | 1 | 4 | 0 | 4 | 5 | 10 | 0 | 26 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | **0** | **1** | **0** | **0** | **1** | **1** | **4** | **0** | **5** | **5** | **11** | **0** | **28** |

## TABLE A 6.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

### HURGHADA — DECEMBER 1959

| Hour | Calm | Variable | Not observed | Wind speed in knots | Number f ca.es of occurrences of wind blowing from the ranges of directions indicated | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 345 / 014 | 015 / 044 | 045 / 074 | 075 / 104 | 105 / 134 | 135 / 164 | 165 / 194 | 195 / 224 | 225 / 254 | 255 / 284 | 285 / 314 | 315 / 344 | All directions |
| 0000 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 7 | 0 | 9 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 11 | 7 | 22 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 3 | 18 | 7 | 31 |
| 0300 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 6 | 1 | 11 |
| | | | | 11-27 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 13 | 2 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 4 | 19 | 3 | 30 |
| 0600 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 4 | 2 | 3 | 12 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 5 | 19 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 6 | 14 | 8 | 31 |
| 0900 | 0 | 0 | 0 | 1-10 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 11 |
| | | | | 11-27 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 15 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 5 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 20 | 31 |
| 1200 | 0 | 0 | 0 | 1-10 | 2 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | | 11-27 | 13 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 20 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 15 | 4 | 4 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 31 |
| 1500 | 2 | 0 | 0 | 1-10 | 2 | 3 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |
| | | | | 11-27 | 8 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 17 |
| | | | | 28-47 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 11 | 3 | 0 | 1 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 7 | 29 |
| 1800 | 1 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 2 | 6 | 1 | 1 | 15 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 15 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 2 | 6 | 7 | 10 | 30 |
| 2100 | 0 | 0 | 0 | 1-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 6 | 1 | 13 |
| | | | | 11-27 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 11 | 3 | 18 |
| | | | | 28-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | ≥48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | All speeds | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 7 | 17 | 4 | 31 |

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A)—0000 U.T.— DECEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 31 | 975mb | 980mb | 967mb | 31 | 5·0 | 9.4 | 0·1 | 31 | — 0·7 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 31 | 1514 | 1550 | 1433 | 31 | 4.9 | 9.9 | 1.8 | 31 | — 4.4 |
| 700 ... ... ... ... | 31 | 3077 | 3132 | 2985 | 31 | — 2.2 | 4.0 | — 8 4 | 31 | —10.3 |
| 600 ... ... ... ... | 31 | 4285 | 4361 | 4189 | 31 | — 8.8 | — 4.6 | —16.4 | 31 | —18·8 |
| 500 ... ... ... ... | 31 | 5673 | 5766 | 5552 | 31 | —17.5 | —11.7 | —26.4 | 30 | —27.9 |
| 400 ... ... ... ... | 31 | 7305 | 7412 | 7145 | 31 | —29.0 | —23.4 | —35 0 | 30 | —38.8 |
| 300 ... ... ... ... | 31 | 9297 | 9433 | 9091 | 31 | —43.4 | —38.6 | —48.3 | 29 | —52·7 |
| 200 ... ... ... ... | 31 | 11924 | 12077 | 11757 | 31 | —57.6 | —47.5 | —63.9 | — | — |
| 150 ... ... ... ... | 31 | 13718 | 13866 | 13596 | 31 | —61.3 | —55.0 | —68 4 | — | — |
| 100 ... ... ... ... | 29 | 16221 | 16358 | 16103 | 29 | —63.2 | —57.3 | —67.6 | — | — |
| 60 ... ... ... ... | 20 | 19355 | 19480 | 19209 | 20 | —62.1 | —58.0 | —66.9 | — | — |
| 40 ... ... ... ... | 13 | 21904 | 22039 | 21786 | 13 | —59.9 | —54.7 | —65.5 | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

## ALEPPO (A)— 1200 U.T. — DECEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 31 | 974mb | 980mb | 965mb | 31 | 12.5 | 16.6 | 6.6 | 31 | 0·6 |
| 1000 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... ... ... | 31 | 1514 | 1561 | 1422 | 31 | 6.0 | 11.2 | 1.8 | 31 | — 6.0 |
| 700 ... ... ... ... | 31 | 3115 | 3149 | 2993 | 31 | — 0.9 | 4.0 | — 6.3 | 31 | —13.5 |
| 600 ... ... ... ... | 31 | 4297 | 4376 | 4205 | 31 | — 7.6 | — 4.0 | —15.6 | 30 | —20.9 |
| 500 ... ... ... ... | 31 | 5690 | 5789 | 5562 | 31 | —16.7 | —12.4 | —25.6 | 30 | —30.1 |
| 400 ... ... ... ... | 31 | 7327 | 7448 | 7149 | 31 | —28.0 | —24.1 | —35.9 | 30 | —40.0 |
| 300 ... ... ... ... | 31 | 9327 | 9468 | 9091 | 31 | —42.5 | —37.8 | —47.0 | 29 | —53.6 |
| 200 ... ... ... ... | 30 | 11972 | 12105 | 11800 | 30 | —57.8 | —52.7 | —64.4 | — | — |
| 150 ... ... ... ... | 27 | 13774 | 13891 | 13600 | 27 | —60.5 | —54.0 | —69.4 | — | — |
| 100 ... ... ... ... | 23 | 16284 | 16406 | 16128 | 23 | —62.6 | —56.4 | —68.1 | — | — |
| 60 ... ... ... ... | 11 | 19432 | 19609 | 19285 | 11 | —61.2 | —56.4 | —65.9 | — | — |
| 40 ... ... ... ... | 3 | 22037 | 22170 | 21921 | 3 | —56.7 | —55.5 | —58.0 | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N—Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 0000 U.T. — DECEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 28 | 1013mb | 1020mb | 1004mb | 28 | 12.3 | 17.5 | 8.3 | 28 | 7.7 |
| 1000 ... ... ... ... | 28 | 148 | 208 | 43 | 28 | 13.3 | 19.2 | 8.5 | 28 | 8.2 |
| 850 ... ... ... ... | 28 | 1499 | 1555 | 1423 | 28 | 6.8 | 15.4 | 0.7 | 23 | — 2.6 |
| 700 ... ... ... ... | 28 | 3078 | 3158 | 2950 | 28 | — 0.1 | 8.1 | — 9.0 | 13 | —12.9 |
| 600 ... ... ... ... | 28 | 4297 | 4441 | 4124 | 28 | — 7.2 | 1.7 | —17.4 | 11 | —19.9 |
| 500 ... ... ... ... | 28 | 5692 | 5862 | 5459 | 28 | —16.7 | — 9.7 | — 28.2 | 10 | — 29.2 |
| 400 ... ... ... ... | 28 | 7330 | 7488 | 7021 | 28 | — 28.9 | —23.4 | —41.1 | 6 | — 38.6 |
| 300 ... ... ... ... | 27 | 9325 | 9547 | 8947 | 27 | — 43.2 | — 39.5 | —49.5 | — | — |
| 200 ... ... ... ... | 22 | 11962 | 12168 | 11613 | 22 | —51.3 | — 47.2 | —67.4 | — | — |
| 150 ... ... ... ... | 20 | 13758 | 13946 | 13457 | 20 | —64.2 | —57.2 | —71.1 | — | — |
| 100 ... ... ... ... | 19 | 16226 | 16416 | 15978 | 19 | — 67.9 | — 61.4 | —70.8 | — | — |
| 60 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## MERSA MATRUH (A) — 1200 U.T. — DECEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1012mb | 1019mb | 1003mb | 29 | 18.9 | 23.2 | 16.4 | 29 | 9.0 |
| 1000 ... ... ... ... | 29 | 146 | 203 | 67 | 29 | 17.8 | 22.7 | 14.8 | 29 | 7.9 |
| 850 ... ... ... ... | 29 | 1508 | 1563 | 1426 | 29 | 8.0 | 16.5 | 2.2 | 26 | — 3.3 |
| 700 ... ... ... ... | 29 | 3095 | 3181 | 2977 | 27 | 1.4 | 10.4 | — 8.3 | 14 | —12.6 |
| 600 ... ... ... ... | 29 | 4317 | 4402 | 4164 | 29 | — 6.5 | — 1.0 | —15.0 | 10 | —17.9 |
| 500 ... ... ... ... | 29 | 5715 | 5832 | 5504 | 29 | —19.4 | —10.6 | — 30.2 | 6 | —26.8 |
| 400 ... ... ... ... | 29 | 7352 | 7511 | 7066 | 29 | — 29.3 | — 22.8 | — 39.0 | 5 | — 38.7 |
| 300 ... ... ... ... | 29 | 9349 | 9556 | 8983 | 29 | —42.6 | — 32.0 | —49.8 | — | — |
| 200 ... ... ... ... | 25 | 11983 | 12176 | 11616 | 25 | —57.1 | —50.3 | —62.9 | — | — |
| 150 ... ... ... ... | 19 | 13770 | 13934 | 13505 | 19 | — 61.2 | —55.2 | — 67.3 | — | — |
| 100 ... ... ... ... | 18 | 16257 | 16415 | 16071 | 18 | —65.4 | —60.5 | — 70.3 | — | — |
| 60 ... ... ... ... | 10 | 19384 | 19491 | 19215 | 10 | — 61.7 | —55.4 | — 66.3 | — | — |
| 40 ... ... ... ... | 7 | 21934 | 22018 | 21916 | 7 | —56.5 | —53.5 | — 59.3 | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 0000 U.T. — DECEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 31 | 1012mb | 1018mb | 1003mb | 31 | 12.6 | 18.2 | 6.8 | 31 | 5.9 |
| 1000 ... ... ... ... | 31 | 161 | 220 | 95 | 31 | 12.7 | 19.5 | 7.1 | 31 | 6.0 |
| 850 ... ... ... ... | 31 | 1528 | 1577 | 1474 | 31 | 9.0 | 17.8 | 2.5 | 21 | 0.6 |
| 700 ... ... ... ... | 31 | 3115 | 3177 | 3025 | 31 | 2.4 | 8.4 | — 5.3 | 7 | —18.2 |
| 600 ... ... ... ... | 31 | 4336 | 4424 | 4217 | 31 | — 4.5 | — 1.1 | —12.7 | 5 | —19.0 |
| 500 ... ... ... ... | 31 | 5754 | 5857 | 5601 | 31 | —14.1 | — 7.8 | —22.0 | 5 | —24.6 |
| 400 ... ... ... ... | 31 | 7410 | 7538 | 7243 | 31 | —26.2 | —21.5 | —34.4 | 6 | —31.0 |
| 300 ... ... ... ... | 31 | 9426 | 9557 | 9191 | 31 | —41.3 | —37.4 | —49.1 | — | — |
| 200 ... ... ... ... | 27 | 12098 | 12826 | 11856 | 27 | —57.9 | —52.4 | —61.4 | — | — |
| 150 ... ... ... ... | 23 | 13838 | 14000 | 13506 | 23 | —62.9 | —61.0 | —67.4 | — | — |
| 100 ... ... ... ... | 18 | 16335 | 16468 | 16164 | 18 | —67.8 | —62.0 | —71.3 | — | — |
| 60 ... ... ... ... | 13 | 19424 | 19489 | 19324 | 13 | —62.5 | —58.5 | —68.7 | — | — |
| 40 ... ... ... ... | 6 | 21955 | 22041 | 21837 | 6 | —57.2 | —53.0 | —61.6 | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## CAIRO (A) — 1200 U.T. — DECEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 31 | 1011mb | 1015mb | 1006mb | 31 | 20.5 | 27.4 | 16.0 | 31 | 6.2 |
| 1000 ... ... ... ... | 31 | 160 | 199 | 121 | 31 | 19.6 | 26.9 | 15.4 | 31 | 5.7 |
| 850 ... ... ... ... | 31 | 1531 | 1569 | 1480 | 31 | 9.2 | 17.6 | 4.2 | 24 | — 1.8 |
| 700 ... ... ... ... | 31 | 3119 | 3198 | 3024 | 31 | 2.8 | 8.1 | — 5.3 | 7 | —15.2 |
| 600 ... ... ... ... | 31 | 4350 | 4452 | 4216 | 31 | — 4.3 | 0.2 | —13.7 | 5 | —21.0 |
| 500 ... ... ... ... | 31 | 5759 | 5886 | 5594 | 31 | —14.2 | — 8.6 | —23.2 | 6 | —27.3 |
| 400 ... ... ... ... | 31 | 7413 | 7567 | 7204 | 31 | —27.5 | —21.6 | —32.9 | [illegible] | —37.0 |
| 300 ... ... ... ... | 31 | 9431 | 9613 | 9178 | 31 | —41.1 | —34.8 | —48.1 | 2 | — 5.4 |
| 200 ... ... ... ... | 27 | 12105 | 12280 | 11823 | 27 | —56.7 | —50.4 | —60.5 | — | — |
| 150 ... ... ... ... | 26 | 13782 | 14055 | 13650 | 26 | —62.3 | —55.4 | —67.2 | — | — |
| 100 ... ... ... ... | 23 | 16376 | 16518 | 16170 | 23 | —66.8 | —62.5 | —72.0 | — | — |
| 60 ... ... ... ... | 10 | 19511 | 19622 | 19391 | 10 | —61.4 | —52.6 | —69.2 | — | — |
| 40 ... ... ... ... | 5 | 22054 | 22207 | 21885 | 5 | —58.6 | —51.3 | —68.0 | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N — Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN (A) — 0000 U.T. — DECEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1003mb | 1007mb | 999mb | 29 | 14.9 | 21.0 | 11.0 | 29 | 6.5 |
| 1000 ... ... ... ... | 28 | 133 | 165 | 106 | 28 | 14·7 | 21·0 | 11.0 | 25 | 6·4 |
| 850 ... ... ... ... | 29 | 1501 | 1585 | 1403 | 29 | 12.0 | 16.8 | 2.7 | 19 | 0.6 |
| 700 ... ... ... ... | 29 | 3107 | 3161 | 3046 | 29 | 5.4 | 10.6 | — 6.7 | — | — |
| 600 ... ... ... ... | 29 | 4357 | 4458 | 4290 | 29 | — 1.4 | 3.6 | —14.0 | — | — |
| 500 ... ... ... ... | 29 | 5777 | 5890 | 5607 | 29 | —10.8 | — 5.4 | —20.0 | — | — |
| 400 ... ... ... ... | 29 | 7461 | 7597 | 7257 | 29 | —23.2 | —19.2 | —27·3 | — | — |
| 300 ... ... ... ... | 29 | 9498 | 9655 | 9315 | 29 | —38.0 | —34.8 | —44.0 | — | — |
| 200 ... ... ... ... | 28 | 12176 | 12351 | 12019 | 28 | —56.4 | —53.0 | —61.6 | — | — |
| 150 ... ... ... ... | 18 | 13921 | 14058 | 13729 | 18 | —65.2 | —60.8 | —70.0 | — | — |
| 100 ... ... ... ... | 13 | 16307 | 16517 | 16160 | 13 | —70.7 | —65.2 | —75.0 | — | — |
| 60 ... ... ... ... | 6 | 19379 | 19520 | 19288 | 6 | —67.6 | —65.0 | —68.4 | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N = Number of observations of specified pressure surfaces.

## TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

## ASWAN (A) — 1200 U.T. — DECEMBER 1959

| Pressure surface (millibar) | Heights of pressure surfaces (gpm.) | | | | Temperature (°C) | | | | Dew point (°C) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | Mean | Highest | Lowest | N | Mean | Highest | Lowest | N | Mean |
| Surface ... ... ... | 29 | 1002mb | 1006mb | 1000mb | 29 | 26.3 | 33.4 | 21.3 | 28 | 7.5 |
| 1000 ... ... ... ... | 29 | 126 | 158 | 106 | 29 | 26.2 | 33.4 | 20.7 | 28 | 7.7 |
| 850 ... ... ... ... | 29 | 1523 | 1553 | 1476 | 29 | 15.5 | 21.4 | 7.2 | 17 | 0.8 |
| 700 ... ... ... ... | 29 | 3144 | 3206 | 3057 | 29 | 8.0 | 12.9 | 1.7 | 3 | —16.8 |
| 600 ... ... ... ... | 29 | 4398 | 4490 | 4279 | 29 | 0.6 | 7.4 | — 4.4 | — | — |
| 500 ... ... ... ... | 29 | 5841 | 5960 | 5674 | 29 | — 7.8 | — 4.3 | —17.0 | — | — |
| 400 ... ... ... ... | 29 | 7534 | 7670 | 7307 | 29 | —21.2 | —14.0 | —29.8 | — | — |
| 300 ... ... ... ... | 29 | 9597 | 9723 | 9347 | 29 | —35.8 | —29.4 | —40.3 | — | — |
| 200 ... ... ... ... | 27 | 12295 | 12486 | 12041 | 27 | —55.0 | —51.9 | —58.0 | — | — |
| 150 ... ... ... ... | 24 | 14075 | 14291 | 13837 | 24 | —64.3 | —58.5 | —67.8 | — | — |
| 100 ... ... ... ... | 21 | 16511 | 16745 | 16309 | 21 | —70.8 | —63.4 | —75.8 | — | — |
| 60 ... ... ... ... | 10 | 19528 | 19733 | 19471 | 10 | —66.8 | —63.2 | —74.2 | — | — |
| 40 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... ... ... | — | — | — | — | — | — | — | — | — | — |

N=Number of observations of specified pressure surfaces.

## TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE: THE HIGHEST WIND SPEED IN THE UPPER AIR

### 0000 U.T. — DECEMBER 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000-360)° | Speed in knots |
| **Aleppo** (A) ... ... ... ... ... ... | 2665 (31) | 740 (31) | — 9.2 (31) | 3735 | 649 | —20.0 | 1700 | 831 | —9.6 | 12843 (30) | 177 (30) | —61.8 (30) | 17300 | 084 | —66.9 | 10740 | 240 | —54·5 | — | — | — | — |
| **Mersa Matruh** (A) ... ... ... ... ... ... | 2970 (29) | 713 (29) | — 8.5 (4) | 4000 | 632 | — | 1520 | 840 | —4.0 | 12770 (15) | 160 (15) | —63.1 (15) | 16182 | 100 | —70.8 | 10410 | 248 | —57·3 | 9080 | 307 | 250 | 130 |
| **Cairo** (A) ... ... ... ... ... ... | 3476 (31) | 672 (31) | —11.8 (9) | 4260 | 612 | — | 1930 | 807 | —3.0 | 13071 (18) | 175 (18) | —61.5 (18) | 16332 | 100 | —65.2 | 10120 | 260 | —51.4 | 12200 | 198 | 250 | 156 |
| **Aswan** (A) ... ... ... ... ... ... | 4122 (29) | 621 (29) | — | 4920 | 566 | — | 1780 | 820 | — | 13637 (6) | 162 (6) | —64.7 (6) | 16700 | 94 | —71·4 | 11900 | 202 | —61.6 | 10550 | 264 | 250 | 119 |

N = Total number of observations.

TABLE B 2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE; THE HIGHEST WIND SPEED IN THE UPPER AIR

1200 U.T. — DECEMBER 1959

| Station | Freezing level | | | | | | | | | First tropopause | | | | | | | | | Highest wind speed | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | | | Highest | | | Lowest | | | Mean | | | Highest | | | Lowest | | | | | | |
| | Height gpm. (N) | Pressure mb. (N) | Dew point °C (N) | Height gpm. | Pressure mb. | Dew point °C | Height gpm. | Pressure mb. | Dew point °C | Height gpm. (N) | Pressure mb. (N) | Temp. °C (N) | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Temp. °C | Height gpm. | Pressure mb. | Direction (000–360)° | Speed in knots |
| Aleppo (A) ... ... ... ... ... ... | 2857 (31) | 721 (31) | —14.4 (31) | 3805 | 645 | —19.4 | 1720 | 827 | — 1.9 | 12684 (26) | 181 (26) | —61.0 (26) | 14640 | 130 | —66.2 | 10515 | 254 | —50.4 | 11120 | 226 | 290 | 120 |
| Mersa Matruh (A) ... ... ... ... ... ... | 3185 (29) | 695 (29) | — 9.9 (18) | 4250 | 608 | — | 1750 | 817 | — 2.8 | 13472 (19) | 171 (19) | —61.5 (19) | 18250 | 71 | —64.0 | 8550 | 323 | —45.7 | 11950 | — | 250 | 138 |
| Cairo (A) ... ... ... ... ... ... | 3605 (31) | 659 (31) | —12.6 (7) | 4600 | 583 | — | 2170 | 785 | — 2.0 | 13416 (22) | 167 (22) | —67.8 (22) | 17140 | 88 | —72.5 | 11160 | 230 | —54.5 | 10850 | 246 | 270 | 136 |
| Aswan (A) ... ... ... ... ... ... | 4505 (29) | 592 (29) | — | 5400 | 533 | — | 3360 | 674 | — | 15410 (12) | 124 (12) | —67.8 (12) | 17520 | 85 | —74.8 | 11840 | 210 | —54.9 | 12550 | 186 | 260 | 133 |

N = Total number of observations.

## TABLE B 3.— NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### ALEPPO (A) — 0000 U.T. — DECEMBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | n | $(ff)_m$ | | | |
| Surface ... | 3 | 10 | 2 | 12 | 5 | 12 | 4 | 10 | 0 | — | 0 | — | 0 | — | 2 | 4 | 1 | 3 | 1 | 4 | 2 | 4 | 2 | 5 | 9 | 31 | 6 |
| 1000 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... | 1 | 10 | 0 | — | 1 | 10 | 2 | 6 | 1 | 10 | 2 | 14 | 4 | 18 | 2 | 16 | 2 | 10 | 1 | 22 | 1 | 6 | 2 | 6 | 0 | 19 | 12 |
| 700 ... ... | 1 | 22 | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 14 | 2 | 34 | 2 | 20 | 1 | 10 | 2 | 14 | 0 | — | 0 | 12 | 18 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 24 | 2 | 32 | 2 | 8 | 0 | — | 1 | 26 | 0 | 6 | 22 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 28 | 0 | 1 | 28 |
| 400 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 300 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 200 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 150 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 . ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

**ALEPPO (A) — 1200 U.T. — DECEMBER 1959**

| Pressure surface (millibar) | Wind between specified ranges of direction (000-360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 5 | 10 | 5 | 16 | 7 | 12 | 4 | 14 | 0 | — | 0 | — | 0 | — | 1 | 6 | 3 | 8 | 2 | 8 | 0 | — | 0 | — | 4 | 31 | 11 |
| 1000 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 850 ... ... | 1 | 10 | 1 | 16 | 1 | 5 | 4 | 12 | 3 | 26 | 5 | 10 | 4 | 16 | 1 | 4 | 0 | — | 2 | 20 | 0 | — | 4 | 8 | 0 | 26 | 14 |
| 700 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 20 | 1 | 18 | 3 | 20 | 4 | 18 | 4 | 20 | 2 | 14 | 3 | 20 | 3 | 22 | 0 | 21 | 20 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 12 | 3 | 24 | 2 | 18 | 4 | 26 | 4 | 24 | 3 | 32 | 4 | 28 | 0 | 21 | 26 |
| 500 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 38 | 2 | 20 | 3 | 34 | 6 | 26 | 3 | 28 | 4 | 28 | 0 | 19 | 29 |
| 400 ... ... | 1 | 70 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 42 | 0 | — | 3 | 38 | 6 | 40 | 6 | 46 | 1 | 46 | 0 | 18 | 44 |
| 300 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 48 | 2 | 24 | 6 | 64 | 4 | 64 | 2 | 54 | 0 | 15 | 57 |
| 200 ... ... | 1 | 64 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 78 | 1 | 52 | 4 | 70 | 3 | 78 | 2 | 76 | 0 | 12 | 72 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 38 | 1 | 50 | 1 | 24 | 0 | — | 0 | 3 | 38 |
| 100 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## MERSA MATRUH (A) — 0000 U.T. — DECEMBER 1959

| Pressure surface (millibar) | Wind between specified ranges of direction (000–360)° | | | | | | | | | | | | | | | | | | | | | | | | Calm | Total number of observations (N) | Mean scalar wind speed (knots) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 1 | 6 | 8 | 3 | 12 | 3 | 15 | 12 | 14 | 0 | — | 1 | 9 | 2 | 16 | 0 | 28 | 12 |
| 1000 ... ... | 1 | 9 | 1 | 7 | 0 | — | 1 | 12 | 1 | 2 | 3 | 8 | 1 | 12 | 2 | 16 | 6 | 17 | 4 | 16 | 2 | 11 | 2 | 16 | 0 | 24 | 13 |
| 850 ... ... | 2 | 17 | 3 | 6 | 0 | — | 0 | — | 1 | 6 | 0 | — | 3 | 10 | 3 | 16 | 3 | 17 | 6 | 16 | 3 | 13 | 0 | — | 0 | 24 | 13 |
| 700 ... ... | 1 | 22 | 1 | 7 | 0 | — | 0 | — | 0 | — | 1 | 6 | 0 | — | 5 | 24 | 4 | 17 | 6 | 21 | 6 | 19 | 1 | 31 | 0 | 25 | 20 |
| 600 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 17 | 4 | 29 | 7 | 23 | 9 | 29 | 4 | 21 | 0 | — | 0 | 25 | 25 |
| 500 ... ... | 2 | 30 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 49 | 6 | 37 | 13 | 26 | 2 | 43 | 0 | — | 0 | 25 | 32 |
| 400 ... ... | 2 | 34 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 56 | 8 | 45 | 7 | 36 | 4 | 37 | 0 | — | 0 | 23 | 40 |
| 300 ... ... | 2 | 37 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 73 | 8 | 59 | 8 | 43 | 3 | 51 | 0 | — | 0 | 22 | 51 |
| 200 ... ... | 2 | 33 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 37 | 12 | 64 | 1 | 56 | 0 | — | 0 | 16 | 58 |
| 150 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 43 | 6 | 57 | 2 | 41 | 0 | — | 0 | 9 | 52 |
| 100 ... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 72 | 3 | 59 | 0 | — | 0 | — | 0 | 5 | 64 |
| 60 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## MERSA MATRUH (A)—1200 U.T.—DECEMBER 1959

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 4 | 9 | 2 | 12 | 1 | 7 | 0 | — | 3 | 13 | 0 | — | 2 | 12 | 2 | 19 | 4 | 20 | 4 | 20 | 1 | 16 | 6 | 11 | 0 | 29 | 15 |
| 1000 ... | 4 | 12 | 2 | 8 | 2 | 12 | 0 | — | 3 | 14 | 1 | 9 | 0 | — | 2 | 16 | 3 | 15 | 5 | 21 | 2 | 16 | 2 | 11 | 0 | 26 | 14 |
| 850 ... | 1 | 6 | 1 | 8 | 0 | — | 2 | 6 | 1 | 15 | 2 | 12 | 1 | 16 | 2 | 13 | 3 | 23 | 5 | 19 | 6 | 10 | 2 | 13 | 0 | 29 | 13 |
| 700 ... | 0 | — | 1 | 22 | 0 | — | 1 | 8 | 1 | 4 | 0 | — | 0 | — | 4 | 28 | 5 | 27 | 5 | 22 | 4 | 13 | 4 | 16 | 0 | 25 | 20 |
| 600 ... | 1 | 7 | 1 | 18 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 23 | 11 | 23 | 6 | 19 | 2 | 19 | 1 | 12 | 0 | 26 | 21 |
| 500 ... | 1 | 56 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 36 | 8 | 32 | 9 | 28 | 2 | 28 | 2 | 16 | 0 | 25 | 30 |
| 400 ... | 1 | 55 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 42 | 10 | 46 | 8 | 33 | 2 | 35 | 2 | 18 | 0 | 25 | 38 |
| 300 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 90 | 9 | 61 | 6 | 43 | 2 | 45 | 2 | 28 | 0 | 20 | 52 |
| 200 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 77 | 4 | 53 | 1 | 50 | 1 | 28 | 0 | 11 | 61 |
| 150 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 33 | 2 | 51 | 2 | 34 | 0 | — | 0 | 6 | 39 |
| 100 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 57 | 3 | 56 | 0 | — | 0 | — | 0 | 5 | 57 |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

### CAIRO (A) — 0000 U.T.— DECEMBER 1959

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 0 | — | 1 | 8 | 1 | 3 | 8 | 4 | 1 | 5 | 2 | 7 | 7 | 6 | 2 | 3 | 2 | 4 | 0 | — | 0 | — | 1 | 1 | 6 | 31 | 4 |
| 1000 ... | 1 | 5 | 4 | 9 | 3 | 12 | 7 | 8 | 0 | — | 1 | 10 | 2 | 9 | 5 | 7 | 3 | 12 | 1 | 5 | 1 | 4 | 0 | — | 0 | 28 | 9 |
| 850 ... | 5 | 13 | 4 | 12 | 0 | — | 3 | 11 | 1 | 10 | 1 | 11 | 1 | 34 | 5 | 17 | 4 | 18 | 2 | 21 | 3 | 15 | 1 | 4 | 0 | 30 | 15 |
| 700 ... | 1 | 20 | 3 | 7 | 1 | 5 | 0 | — | 0 | — | 2 | 8 | 1 | 16 | 6 | 27 | 6 | 23 | 6 | 27 | 2 | 9 | 3 | 11 | 0 | 31 | 19 |
| 600 ... | 3 | 13 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 7 | 7 | 32 | 6 | 32 | 5 | 39 | 7 | 21 | 2 | 9 | 0 | 31 | 27 |
| 500 ... | 1 | 9 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 54 | 9 | 32 | 8 | 37 | 6 | 32 | 3 | 20 | 0 | 29 | 33 |
| 400 ... | 1 | 82 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 37 | 7 | 52 | 13 | 50 | 6 | 40 | 0 | — | 0 | 29 | 49 |
| 300 ... | 1 | 116 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 73 | 6 | 43 | 13 | 55 | 3 | 55 | 0 | — | 0 | 24 | 55 |
| 200 ... | 1 | 76 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 90 | 5 | 86 | 13 | 80 | 1 | 116 | 0 | — | 0 | 21 | 84 |
| 150 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 57 | 9 | 72 | 0 | — | 0 | — | 0 | 11 | 69 |
| 100 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 60 | 1 | 141 | 0 | — | 0 | — | 0 | 2 | 100 |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

TABLE B 3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES

## CAIRO (A)—1200 U.T.—DECEMBER 1959

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345–014 | | 015–044 | | 045–074 | | 075–104 | | 105–134 | | 135–164 | | 165–194 | | 195–224 | | 225–254 | | 255–284 | | 285–314 | | 315–344 | | | | |
| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 2 | 7 | 3 | 7 | 6 | 11 | 1 | 14 | 0 | — | 0 | — | 0 | — | 7 | 12 | 4 | 12 | 2 | 8 | 5 | 5 | 1 | 4 | 0 | 31 | 9 |
| 1000 ... | 3 | 6 | 2 | 15 | 7 | 14 | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 14 | 6 | 13 | 4 | 6 | 4 | 7 | 1 | 7 | 0 | 31 | 11 |
| 850 ... | 2 | 14 | 4 | 11 | 4 | 10 | 1 | 14 | 2 | 6 | 0 | — | 3 | 12 | 5 | 19 | 5 | 25 | 2 | 17 | 2 | 11 | 1 | 13 | 0 | 31 | 15 |
| 700 ... | 2 | 18 | 0 | — | 2 | 12 | 2 | 7 | 0 | — | 1 | 8 | 2 | 19 | 5 | 32 | 10 | 23 | 2 | 18 | 2 | 18 | 3 | 12 | 0 | 31 | 20 |
| 600 ... | 2 | 19 | 0 | — | 1 | 23 | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 25 | 9 | 32 | 6 | 28 | 4 | 17 | 3 | 11 | 0 | 30 | 25 |
| 500 ... | 2 | 29 | 0 | — | 0 | — | 1 | 22 | 0 | — | 0 | — | 2 | 18 | 3 | 37 | 8 | 43 | 10 | 36 | 4 | 31 | — | — | 0 | 30 | 35 |
| 400 ... | 0 | — | 0 | — | 0 | — | 1 | 22 | 0 | — | 0 | — | 1 | 24 | 2 | 44 | 12 | 57 | 6 | 42 | 3 | 31 | 3 | 30 | 0 | 28 | 45 |
| 300 ... | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 28 | 0 | — | 0 | — | 3 | 50 | 3 | 65 | 14 | 66 | 4 | 39 | 1 | 49 | 0 | 26 | 58 |
| 200 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 4 | 67 | 9 | 72 | 3 | 68 | 0 | — | 0 | 16 | 70 |
| 150 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 56 | 4 | 70 | 4 | 84 | 0 | — | 0 | 10 | 72 |
| 100 ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 35 | 3 | 56 | 0 | — | 0 | — | 0 | 4 | 50 |
| 60 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 345-014 | | 015-044 | | 045-074 | | 075-104 | | 105-134 | | 135-164 | | 165-194 | | 195-224 | | 225-254 | | 255-284 | | 285-314 | | 315-344 | | | | |
| | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | n | (ff)m | | | |
| Surface ... | 6 | 6 | 1 | 9 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 16 | 2 | 5 | 19 | 29 | 2 |
| 1000... ... | 7 | 8 | 3 | 5 | 1 | 4 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 9 | — | 0 | — | 1 | 17 | 3 | 5 | 13 | 28 | 4 |
| 850... ... | 2 | 8 | 5 | 10 | 5 | 7 | 1 | 10 | 3 | 12 | 0 | — | 2 | 8 | 2 | 11 | 1 | 4 | 3 | 6 | 2 | 11 | 3 | 12 | 0 | 29 | 9 |
| 700... ... | 0 | — | 1 | 17 | 2 | 10 | 1 | 8 | 0 | — | 1 | 13 | 0 | — | 1 | 23 | 5 | 14 | 12 | 14 | 3 | 16 | 3 | 11 | 0 | 29 | 14 |
| 600... ... | 1 | 21 | 1 | 12 | 0 | — | 1 | 11 | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 26 | 10 | 22 | 4 | 23 | 4 | 14 | 1 | 29 | 21 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 38 | 14 | 27 | 6 | 23 | 2 | 39 | 0 | 29 | 30 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 8 | 58 | 12 | 38 | 8 | 37 | 1 | 34 | 0 | 29 | 43 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 7 | 69 | 11 | 48 | 9 | 47 | 0 | — | 0 | 27 | 53 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 2 | 94 | 13 | 76 | 4 | 66 | 0 | — | 0 | 19 | 76 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 8 | 79 | 1 | 60 | 0 | — | 0 | 9 | 77 |
| 100... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 49 | 1 | 52 | 0 | — | 0 | 4 | 50 |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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| | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | n | (ff) m | | | |
| Surface ... | 14 | 6 | 0 | — | 0 | — | 1 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 5 | 0 | — | 0 | — | 5 | 6 | 8 | 29 | 4 |
| 1000... ... | 15 | 6 | 1 | 3 | 0 | — | 1 | 12 | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 5 | 0 | — | 0 | — | 5 | 5 | 6 | 29 | 5 |
| 850... ... | 3 | 11 | 3 | 7 | 1 | 6 | 3 | 12 | 4 | 8 | 1 | 9 | 1 | 6 | 1 | 15 | 0 | — | 6 | 8 | 3 | 4 | 2 | 13 | 1 | 29 | 8 |
| 700... ... | 2 | 15 | 1 | 12 | 2 | 13 | 0 | — | 0 | — | 0 | — | 1 | 11 | 0 | — | 7 | 23 | 6 | 12 | 7 | 11 | 2 | 6 | 1 | 29 | 14 |
| 600... ... | 1 | 31 | 1 | 21 | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 1 | 6 | 7 | 31 | 9 | 23 | 7 | 16 | 2 | 11 | 1 | 29 | 21 |
| 500... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | ... | 12 | 42 | 12 | 23 | 4 | 20 | 1 | 58 | 0 | 29 | 32 |
| 400... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 9 | 45 | 15 | 42 | 4 | 33 | 1 | 76 | 0 | 29 | 43 |
| 300... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 5 | 70 | 15 | 53 | 8 | 54 | 0 | — | 0 | 28 | 56 |
| 200... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 79 | 13 | 86 | 5 | 79 | 0 | — | 0 | 21 | 83 |
| 150... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 8 | 83 | 3 | 63 | 0 | — | 0 | 11 | 78 |
| 100... ... | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 0 | — | 3 | 68 | 0 | — | 0 | — | 0 | 3 | 68 |
| 60... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 40... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 30... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 10... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

## DECEMBER 1959

This month was mild and dry in general as compared with the normal values of air temperature and relative humidity for Giza during December. The mean air temperature at 2 metres above ground was slightly above normal (+0.4°C) and the mean relative humidity was below normal (—7%). This month was characterized by a short warm period between the 13th and 16th (the absolute maximum temperature 28.5°C on the 15th) and two wet days mainly the 26th (4.8 mms. of rain) and the 31st (5.3 mms.). On the 31st, 3.5 mms. fell in one hour while on the 26th, 0.5 mms. fell in about 3 minutes and 3.5 mms. fell in 2 hours.

The minimum air temperature at 5cms. above grass (libia) fell below 0°C on 4 days. The duration of air temperature below 0°C on these days together with the actual values of minimum air temperatures are given in the following table;

| Date | Minimum temperature °C | Duration in hours (to the nearest half) of air temperature below the following limits | | |
|---|---|---|---|---|
| | | 0°C | — 1°C | — 2°C |
| 3 | — 2.8 | × | × | × |
| 15 | — 0.2 | 0 | 0 | 0 |
| 23 | — 0.7 | 0.5 | 0 | 0 |
| 24 | — 0.5 | 1 | 0 | 0 |

The absolute maximum and minimum soil temperatures in different fields fell noticeably than the corresponding values of last December. In the dry field, the absolute maximum temperature fall ranged between 1.5 & 2.5°C through the layer (0.3 cm.—20 cms.) and between 0.1 & 0.4°C through the layer (50 cms. — 300 cms.) while the absolute minimum temperature fall ranged between 4.9°C at 1 cm. depth to 0.6°C at 200 cms. depth.

For the month as a whole, the total duration of bright sunshine, the mean Piche evaporation and the mean wind speed for the day at 2 metres above ground were slightly higher than the corresponding values of December 1958 (+30 hours, +1.0 mms. and +0.2 m/sec. respectively).

## TABLE C 1.—AIR TEMPERATURES AT 2 METRES ABOVE GROUND ; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms· ABOVE GROUND ON DIFFERENT FIELDS

## GIZA — DECEMBER 1959

| Date | Air temperature (°C) | | | | | Duration in hours of air temperature above the following values | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Mean of the day | Night time mean | Day time mean | —5 °C | 0 °C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C |
| 1 | 20.5 | 8.4 | 13.5 | 12 | 16 | 24 | 24 | 24 | 18 | 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 21.7 | 6.6 | 12.3 | 13 | 17 | 24 | 24 | 24 | 17 | 9 | 3 | 0 | 0 | 0 | 0 | 0 |
| 3 | 25.4 | 3.0 | 11.9 | 10 | 18 | 24 | 24 | 24 | 15 | 8 | 6 | 0 | 0 | 0 | 0 | 0 |
| 4 | 23.9 | 8.3 | 15.4 | 12 | 19 | 24 | 24 | 24 | 22 | 12 | 5 | 0 | 0 | 0 | 0 | 0 |
| 5 | 22.7 | 9.2 | 13.9 | 14 | 18 | 24 | 24 | 24 | 22 | 8 | 5 | 0 | 0 | 0 | 0 | 0 |
| 6 | 23.5 | 9.1 | 15.7 | 12 | 19 | 24 | 24 | 24 | 22 | 15 | 7 | 0 | 0 | 0 | 0 | 0 |
| 7 | 24.5 | 6.8 | 14.4 | 13 | 18 | 24 | 24 | 24 | 19 | 15 | 5 | 0 | 0 | 0 | 0 | 0 |
| 8 | 21.7 | 10.2 | 14.9 | 15 | 18 | 24 | 24 | 24 | 24 | 12 | 3 | 0 | 0 | 0 | 0 | 0 |
| 9 | 21.4 | 8.8 | 14.2 | 13 | 17 | 24 | 24 | 24 | 22 | 13 | 4 | 0 | 0 | 0 | 0 | 0 |
| 10 | 21.0 | 7.9 | 13.7 | 13 | 17 | 24 | 24 | 24 | 20 | 12 | 2 | 0 | 0 | 0 | 0 | 0 |
| 11 | 21.8 | 10.2 | 15.1 | 14 | 18 | 24 | 24 | 24 | 24 | 14 | 4 | 0 | 0 | 0 | 0 | 0 |
| 12 | 21.5 | 7.6 | 13.4 | 14 | 17 | 24 | 24 | 24 | 19 | 12 | 2 | 0 | 0 | 0 | 0 | 0 |
| 13 | 23.6 | 7.4 | 14.4 | 13 | 19 | 24 | 24 | 24 | 19 | 12 | 5 | 0 | 0 | 0 | 0 | 0 |
| 14 | 25.5 | 5.8 | 12.5 | 13 | 18 | 24 | 24 | 24 | 14 | 8 | 5 | 0 | 0 | 0 | 0 | 0 |
| 15 | 28.5 | 6.4 | 15.2 | 11 | 20 | 24 | 24 | 24 | 18 | 11 | 6 | 3 | 0 | 0 | 0 | 0 |
| 16 | 27.5 | 10.8 | 17.6 | 14 | 23 | 24 | 24 | 24 | 24 | 15 | 9 | 4 | 0 | 0 | 0 | 0 |
| 17 | 20.7 | 8.2 | 14.3 | 15 | 17 | 24 | 24 | 24 | 21 | 15 | 1 | 0 | 0 | 0 | 0 | 0 |
| 18 | 22.0 | 13.5 | 16.0 | 16 | 18 | 24 | 24 | 24 | 24 | 14 | 3 | 0 | 0 | 0 | 0 | 0 |
| 19 | 19.4 | 12.0 | 14.5 | 15 | 17 | 24 | 24 | 24 | 24 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 20.9 | 9.3 | 13.5 | 12 | 16 | 24 | 24 | 24 | 22 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 20.2 | 9.0 | 13.0 | 13 | 16 | 24 | 24 | 24 | 21 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 20.1 | 7.7 | 12.3 | 11 | 15 | 24 | 24 | 24 | 16 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 21.0 | 5.6 | 11.0 | 10 | 15 | 24 | 24 | 24 | 12 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 21.4 | 5.6 | 11.3 | 9 | 16 | 24 | 24 | 24 | 12 | 8 | 2 | 0 | 0 | 0 | 0 | 0 |
| 25 | 20.0 | 5.5 | 11.6 | 10 | 16 | 24 | 24 | 24 | 15 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 20.5 | 7.5 | 13.2 | 12 | 16 | 24 | 24 | 24 | 17 | 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 16.0 | 10.1 | 12.4 | 14 | 13 | 24 | 24 | 24 | 24 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 20.3 | 9.4 | 14.1 | 13 | 17 | 24 | 24 | 24 | 23 | 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 19.1 | 6.2 | 11.1 | 11 | 15 | 24 | 24 | 24 | 15 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 19.9 | 6.6 | 12.6 | 10 | 16 | 24 | 24 | 24 | 15 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 16.8 | 8.2 | 11.5 | 12 | 14 | 24 | 24 | 24 | 17 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | — | — | — | — | — | 744 | 744 | 744 | 597 | 318 | 77 | 7 | 0 | 0 | 0 | 0 |
| Mean | 21.7 | 8.2 | 13.5 | 12.5 | 17.0 | 24 | 24 | 24 | 19.3 | 10.2 | 2.5 | 0.2 | 0 | 0 | 0 | 0 |

Highest maximum at 2 metres 28.5 °C on 15th.
Lowest " " " 16.0 °C on 27th.
Highest minimum at 2 metres 13.5°C on 18 th.
Lowest " " " 3.0°C on 3 rd.

Absolute minimum temperature at 5 cms. above dry soil —1.5 °C on 3 rd.
" " " " " wet soil +0.1 °C on 3 rd.
" " " " " grass —2.8 °C on 3 rd.

## TABLE C 2.—WIND SPEED, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, (SOLAR + SKY) RADIATION, SUNSHINE DURATION, EVAPORATION AND RAINFALL

## GIZA — DECEMBER 1959

| Date | wind speed metres per second | | | Solar + sky radiation gm. cal./cm² | Duration of bright sunshine in hours | | | Relative humidity hours of duration | | Relative humidity % | | Vapour pressure in millimetres | | Evaporation in millimetres | | Amount of rainfall in millimetres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean of the day | Night time mean | Day time mean | | Total actual | Total possible | Percentage % | 90% | 80% | Mean of the day | at 1200 U.T. | Mean of the day | at 1200 U.T. | Piche | Pan class (A) | |
| 1 | 1.5 | 0.6 | 2.8 | 264 | 9.0 | 10.4 | 87 | 0 | 9 | 70 | 42 | 7.5 | 7.2 | 8.2 | 4.14 | 0 |
| 2 | 2.4 | 2.0 | 2.8 | 281 | 9.2 | 10.4 | 88 | 1 | 6 | 74 | 31 | 6.7 | 5.8 | 7.7 | 4.19 | 0 |
| 3 | 1.0 | 0.4 | 1.8 | 301 | 9.1 | 10.4 | 88 | 2 | 7 | 70 | 22 | 6.0 | 5.0 | 7.0 | 3.86 | 0 |
| 4 | 2.4 | 0.8 | 4.6 | 233 | 6.0 | 10.3 | 58 | 0 | 0 | 51 | 29 | 6.4 | 6.2 | 13.0 | 5.12 | 0 |
| 5 | 2.2 | 1.8 | 2.7 | 263 | 7.9 | 10.3 | 77 | 0 | 2 | 66 | 40 | 7.4 | 8·1 | 7.5 | 3.10 | 0 |
| 6 | 1.1 | 0.4 | 2.0 | 252 | 9.3 | 10.3 | 90 | 0 | 4 | 65 | 40 | 8.5 | 8.4 | 7.5 | 4.09 | 0 |
| 7 | 1.5 | 0.8 | 2.5 | 263 | 7.5 | 10.3 | 73 | 5 | 8 | 72 | 32 | 7.9 | 6.9 | 9.8 | 4.27 | 0 |
| 8 | 1.7 | 1.4 | 2.0 | 262 | 8.9 | 10.3 | 86 | 0 | 4 | 70 | 55 | 9.1 | 9.9 | 5.4 | 3.72 | 0 |
| 9 | 1.8 | 0.8 | 3.2 | 260 | 9.0 | 10.3 | 87 | 6 | 10 | 80 | 49 | 9.1 | 9.0 | 7.0 | 2.97 | 0 |
| 10 | 2.6 | 1.7 | 3.7 | 244 | 8.5 | 10.3 | 83 | 5 | 10 | 78 | 54 | 9.1 | 9.6 | 6.6 | 3.12 | 0 |
| 11 | 2.5 | 1.4 | 4.0 | 278 | 9.0 | 10.3 | 87 | 3 | 9 | 80 | 51 | 9.8 | 9.7 | 7.7 | 4.05 | 0 |
| 12 | 3.0 | 2.4 | 3.9 | 281 | 7.8 | 10.3 | 76 | 7 | 11 | 83 | 44 | 8.8 | 8.1 | 7.1 | 3.71 | 0 |
| 13 | 2.3 | 1.5 | 3.4 | 276 | 9.4 | 10.3 | 91 | 6 | 10 | 74 | 36 | 8.1 | 7.6 | 8.4 | 3.49 | 0 |
| 14 | 1.2 | 1.3 | 1.1 | 266 | 9.2 | 10.3 | 89 | 7 | 8 | 90 | 35 | 8.1 | 7.6 | 4.6 | 2.15 | 0 |
| 15 | 0.7 | 0.4 | 1.2 | 231 | 6.3 | 10.2 | 62 | 3 | 6 | 67 | 27 | 7.8 | 7.2 | 6.2 | 3.19 | 0 |
| 16 | 1.7 | 0.7 | 3.2 | 275 | 8.5 | 10.2 | 83 | 0 | 0 | 52 | 28 | 7.3 | 7.3 | 11.9 | 4.75 | 0 |
| 17 | 1.2 | 0.3 | 2.5 | 205 | 5.7 | 10.2 | 56 | 0 | 10 | 80 | 66 | 10.5 | 11.5 | 4.6 | 1.47 | 0 |
| 18 | 1.4 | 1.8 | 0.9 | 138 | 2.8 | 10.2 | 27 | 12 | 18 | 94 | 71 | 12.1 | 12.7 | 3.1 | 1.70 | 0 |
| 19 | 2.7 | 1.6 | 4.3 | 271 | 8.1 | 10.2 | 79 | 1 | 3 | 44 | 30 | 4.9 | 4.8 | 13.7 | 6.26 | 0 |
| 20 | 2.5 | 2.3 | 2.8 | 285 | 8.9 | 10.2 | 87 | 0 | 0 | 60 | 44 | 7.0 | 7.6 | 7.6 | 3.82 | 0 |
| 21 | 2.0 | 1.4 | 2.9 | 292 | 9.1 | 10.2 | 89 | 0 | 3 | 64 | 35 | 6.3 | 5.7 | 8.8 | 3.92 | 0 |
| 22 | 2.2 | 2.1 | 2.2 | 299 | 9.4 | 10.2 | 92 | 0 | 2 | 70 | 42 | 7.0 | 6.7 | 4.8 | 2.97 | 0 |
| 23 | 0.9 | 0.5 | 1.4 | 286 | 9.4 | 10.2 | 92 | 0 | 9 | 74 | 38 | 6.6 | 6.1 | 4.3 | 2 12 | 0 |
| 24 | 0.9 | 0.4 | 1.5 | 288 | 9.4 | 10.2 | 92 | 0 | 6 | 72 | 36 | 6.5 | 6.2 | 4.2 | 2.58 | 0 |
| 25 | 1.3 | 0.1 | 2.8 | 268 | 9.1 | 10.2 | 89 | 6 | 9 | 82 | 43 | 7.7 | 7.2 | 5.4 | 2.76 | 0 |
| 26 | 1.9 | 1.2 | 2.9 | 238 | 7.5 | 10.2 | 74 | 8 | 12 | 85 | 51 | 9.1 | 8.5 | 4.5 | 3.22 | 4.8 |
| 27 | 1.7 | 1.6 | 1.8 | 92 | 0.3 | 10.2 | 3 | 7 | 22 | 93 | 82 | 10.1 | 10.6 | 0.7 | 4.26 | 0.7 |
| 28 | 1.3 | 0.8 | 2.0 | 247 | 7.4 | 10.2 | 73 | 9 | 12 | 88 | 65 | 10.6 | 10.9 | 2.5 | 2.84 | 0 |
| 29 | 0.9 | 0.5 | 1.6 | 237 | 9.0 | 10.2 | 88 | 12 | 16 | 91 | 57 | 8.6 | 8.9 | 2.2 | 1.89 | 0 |
| 30 | 1.4 | 0.2 | 3.0 | 267 | 8.7 | 10.2 | 85 | 8 | 9 | 77 | 48 | 8.1 | 8.0 | 5.4 | 2.30 | 0 |
| 31 | 2.8 | 1.6 | 4.4 | 296 | 9.4 | 10.2 | 92 | 0 | 1 | 68 | 46 | 6.5 | 6.4 | 7.0 | 3.79 | 5.3 |
| Total | — | — | — | 7939 | 248.8 | 317.9 | 2423 | 108 | 236 | — | — | — | — | 204·4 | 105.82 | 10.8 |
| Mean ... | 1.8 | 1.1 | 2.6 | 256.1 | 8.0 | 10.2 | 78 | 3·5 | 7.6 | 74 | 49 | 8.0 | 7.9 | 6.6 | 3.41 | 0·4 |

Maximum amount of rainfall in one day ..... 5.3 mms. on 31 st.
Lowest value of relative humidity ..... 21 % on 3 rd.
Highest value of vapour pressure ..... 12.7 mms. on 18 th.
Lowest " " " ..... 4.7 mms. on 19 th.

## TABLE C 3.—EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

### GIZA—DECEMBER 1959

| Depth in cms. | Dry soil | | Wet soil | | Grass | |
|---|---|---|---|---|---|---|
| | Highest °C | Lowest °C | Highest °C | Lowest °C | Highest °C | Lowest °C |
| 0.3 | 33.0 | 1.1 | 22.4 | 4.1 | 20.7 | 7.7 |
| 1 | 31.4 | 2.1 | 21.9 | 5.0 | — | — |
| 2 | 29.8 | 5.2 | 21.4 | 5.1 | — | — |
| 5 | 25.0 | 8.8 | 18.5 | 7.0 | 15.5 | 9.0 |
| 10 | 21.5 | 14.0 | 17.2 | 10.0 | 14.2 | 9.9 |
| 20 | 17.0 | 13.3 | 16.0 | 12.2 | 15.0 | 11.9 |
| 50 | 22.1 | 18.7 | 17.2 | 14.9 | 18.7 | 16.2 |
| 100 | 24.6 | 21.7 | 19.2 | 17.3 | 20.6 | 18.2 |
| 200 | 26.4 | 24.4 | 21.5 | 19.8 | — | — |
| 300 | 26.4 | 25.7 | — | — | — | — |

## TABLE C 4.—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES REACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

### GIZA—DECEMBER 1959

10 Knots or more ... 16 Days
15 ,, ,, ,, ... 3 ,,
20 ,, ,, ,, ... 1 ,,
25 ,, ,, ,, ... 0 ,,
30 Knots or more ... 0 Days.
35 ,, ,, ,, ... 0 ,,
40 ,, ,, ,, ... 0 ,,

The highest gust 28 knots on the 4th.

G.O., Govt. Printing Offices 9058-1960-150 ex.

# MINISTRY OF WAR–METEOROLOGICAL DEPARTMENT
# CAIRO–EGYPT

## CORRIGENDA
## TO THE MONTHLY WEATHER REPORTS
## FOR THE YEAR 1959

### VOLUME 2 — NUMBER 1 — JANUARY 1959

**Page 63.—Table B 3 — MERSA MATRUH (A) — 1200 U.T.**

Ranges of direction :—

column 11 : *Replace* " 315 — 344 " *by* " 285 — 314 ".
,, 12 : ,, " 285 — 314 " ,, " 315 — 344 ".

### VOLUME 2 — NUMBER 2 — FEBRUARY 1959

**Page 134.—Table C 3 — Dry soil ; Lowest value ; 20 cms. Depth :**

*Replace* " 13.0 " *by* " 12.7 " °C

### VOLUME 2 — NUMBER 3 — MARCH 1959

**Page 185.—Table B 2. — 0000 U.T.**

Aleppo (A) ; Height of Lowest Tropopause :
*Replace* " 780 " *by* " 7980 " g.p.m.

### VOLUME 2 — NUMBER 7 — JULY 1959

**Page 394.—Table A 2.—Against " Kharabo ".**

Number of days with minimum temperature less than 10 °C :
*Replace* " 0 " *by* " 1 "

**Page 450.—Table C 3. — Grass ; Highest value ; 20 cms. Depth :**

*Replace* " 27.9 " *by* " 28.3 " °C.

### VOLUME 2 — NUMBER 9 — SEPTEMBER 1959

**Page 546.—Table A 6 — CAIRO (A) — under the range 105/134° ;**

at 1800 hour — wind speed (1 — 10) knots :
*Replace* " 2 " *by* " 0 "

## VOLUME 2 — NUMBER 10 — OCTOBER 1959

**Page 579.—Miscellaneous Weather Phenomena — Northern Region — 15th line :**

*Replace* " Fig " *by* " Fiq "

**Page 622.—Table B 1.—Aleppo (A)** — 0000 U.T.

last column (mean dew point) — 3rd line (850 mb.) :

*Replace* " —2.9 " *by* " 2.9 " (°C)

## VOLUME 2 — NUMBER 12 — DECEMBER 1959

**Page 763.—Table C 2 — under " Evaporation "**

(1) *Replace* the " Piche " readings from the " 5th " to the " 21st " *by* the following : 7.4 — 6.7 — 8.8 — 4.8 — 6.4 — 5.9 — 6.6 — 6.2 — 7.7 — 3.8 — 5.7 — 11.2 — 4.1 — 2.6 — 12.6 — 6.9 — 7.8 mms. respectively.

(2) Against Total : *replace* " 204.4 " *by* " 192.1 "

(3) „ Mean : „ " 6.6 " „ " 6.2 "

M. F. TAHA
*Director General*
*Meteorological Department*