UNITED ARAB REPUBLIC. Met. Dept.

MONTHLY WEATHER REPORT

VOLUME 4 NUMBER 1

JANUARY, 1961

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CONTENTS

PAGE

Foreword ... 1,2
Introduction and Explanation of the Tables ... 3–12
List of Stations Appearing in the Report ... 13–15
General Summary of Weather Conditions ... 17–21

Surface Data

ABLE A 1.—Monthly mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level ... 22,23
,, A 2.—Monthly Mean Values of the Dry Bulb and wet Bulb Temperatures, and the Relative Humidity at Fixed Hours ... 24,25
,, A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity ... 26,27
,, A 4.—Maximum and Minimum Air Temperatures ... 28,29
,, A 5.—Rainfall and Snow Depth ... 30,31
,, A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum ... 32
,, A 7.—Soil Temperatures at Fixed Hours ... 33–35
,, A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... 36,37
,, A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... 38,39
,, A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours ... 40-62

Upper Air Data

ABLE B 1.—Upper Air Climatological Data ... 63-66
,, B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air ... 67,68
,, B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. 69-76

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir ... 77-78
ABLE C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields ... 79-80
,, C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall ... 81-82
,, C 3.—Extreme Soil Temperatures at Different Depths in Different Fields ... 83
,, C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity ... 84

FOREWORD

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 included 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.

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 Republic during the month. The Report included a new set of tables giving more detailed surface and upper air climatological data for selected stations in the Republic. The review of the Agro-Meteorological Station at Giza and the normal observations made at the field of the Station were also included in the report.

As from January 1960, these tables have been totally revised and some new tables have been introduced to include more detailed climatological data.

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 1961 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, April 1964

M. F. TAHA
Director General.
Meteorological Department

INTRODUCTION AND EXPLANATION OF THE TABLES

For the purpose of this Monthly Weather Report, the United Arab Republic is divided into six climatic districts as follows :—

Number	District	Number	District
I	Mediterranean Area	IV	Upper Egypt
II	Lower Egypt	V	Western Desert
III	Cairo Area	VI	Red Sea Area

Except for Table A5 which refers to the rainfall stations, the data included in Tables A 1, A2, ..., A10 are based on surface observations made at the basic network of synoptic and climatological stations, the data included in Tables B1, B2, and B3 refer to Upper Air observations.

The data included in Tables C1, C2, C3, and C4 are based on observations taken at the Central Agro-Meteorological Station at Giza and the Agro-Meteorological Station at Tahrir. The observation field at Giza is divided into several plots, each of area about 400 to 600 square metres, three of these plots are used for standard observations running throughout the whole year, the first serves as a dry and bare field, the second as a wet and bare field and the third as a wet field covered with grass (libia). On the other hand, the observation field at Tahrir up till now is ragarded as a dry and bare field. The soil characteristics of these fields are :—

	GIZA	TAHRIR
— Top soil type	Permeable clay..	Pure sand.
— Top soil depth	More than 1.5 Metres...	More than 3 metres.
— Sub soil type	Clay loam and loam	Pure Sand.
— Degree and direction of slope of the ground	Flat (0–0.3 %)..	½ % towards East
— Level of water table	1.0–1.5 metres approximately	More than 5 metres.

Except for the wind speed which is expressed in knots, the metric units are used throughout this report and are as follows :

— The atmospheric pressure is expressed in millibars (one millibar = 1000 dynes per square centimetre = the pressure due to 0.7501 millimetre of mercury at 0°C at latitude 45°),

— air and soil temperatures in degrees celsius (°C),

— relative humidity (%),

— rainfall in millimetres,

— snow depth in centimetres,

— duration of bright sunshine in hours,

— sky cover in oktas,

— evaporation in millimetres,

— altitude of pressure surface in geopotential metres,

— mean wind speed of the whole day, and of the day time and the night time intervals in metres per second,

— (solar + sky) radiation in gram-calories per centimetre square,

— vapour pressure in millimetres.

TABLE A 1.—Monthly Mean Values of Atmospheric Pressure at Fixed Hours corrected to "Hp" and to Mean Sea Level

The monthly mean values of the atmospheric pressure at the main synoptic hours are computed from the daily routine observations taken at these hours over the month. In case of stations which do not take all of these synoptic observations, the table is completed for the corresponding synoptic hours from the records of barographs placed in doors at the station.

The atomspheric pressure is measured by mercury barometers installed indoors. The "Station Pressure" is the barometer reading corrected for the height of the barometer cistern above (or below) the level "Hp", "Hp" being a datum level fixed for each station; the "Mean Sea Level Pressure" is the barometer reading corrected for the height of the barometer cistern above (or below) the Mean Sea Level at the station. Corrections for index, temperature and latitude have been applied to the barometer readings to obtain these two values of atmospheric pressure.

This table gives the monthly mean values of the "Station Pressure" and the "M.S.L. Pressure" at the main synoptic hours of observations and their deviations from the corresponding normal values for the station. These normal values are computed for a period of 15 years or more in most cases except for new stations where they are computed for a shorter period but not less than 5 years.

TABLE A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours.

The monthly mean values of the dry and of the wet bulb thermometers at the main synoptic hours are computed from the daily routine observations taken at these hours over the month. The monthly mean values of the relative humidity at a given hour is derived from the monthly mean values of the daily dry and daily wet bulb thermometer readings taken at that hour. In case of stations which do not take the observations of a given element at one or more of these synoptic hours, the table is completed from values extracted from the instrumental record of that element. The recording instruments are placed in the louvred screens at the station.

The dry and wet bulb thermometers used are of the mercury type and are freely exposed in sloping double roofed louvred screens with their bulbs at a height of 140-150 centimetres above ground. Except fort the Giza and Tahrir Agro-Meteorological Stations (see notes on table C1.), no artificial ventilation is experienced in these screens.

Except for the Agro-Meterological Stations at Giza and Tahrir (see notes on table C2), the relative humidity (%) is derived from the dry and wet bulb thermometer readings usings the Jellink's Psychrometer Tables (Liepzig 1911). In deriving the relative humidity no corrections are applied for the wind speeds or the atmospheric pressure.

This table gives the monthly mean values of the dry bulb temperature, the wet bulb temperature and the relative humudity (%) at the main synoptic hours of observations and their deviations from the corresponding normal values; these normal values are computed as indicated in the notes on table A1.

TABLE A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity

The monthly mean values of the atmospheric pressure included in this table are the arithmetical mean over the month of the daily hourly values, or of the daily observations taken at the 8 synoptic hours, or at the 06,12, and 18 U.T. synoptic hours. The atmospheric pressure is measured by mercury barometers installed in-doors; the "Station Pressure" and the "M.S.L. Pressure" are obtained as indicated in the notes on table A1.

The Monthly mean values of the dry and of the wet bulb thermometer readings are the arithmetical mean over the month of the daily hourly readings, or of the daily readings taken at the 8 synoptic hours, or at the 4 main synoptic hours of observations. The types, exposure and height of the bulbs of these thermometers are as indicated in the notes on table A2.

The monthly mean values of the relative humidity are the arithmetical mean over the month of the 24 hours daily values or of the daily observations taken at the 8 synoptic hours or at the 4 main synoptic hours or of the daily observations taken at the 06 and 18 U.T. synoptic hours. The derivations of the relative humidity are as indicated in the notes on table A2.

The monthly mean values of the maximum and of the minimum air temperatures are the arithmetical means of the corresponding daily values over the month. Except for the Agro-Meterological Stations at Giza and Tahrir (see notes on table C1), the maximum (mercury) and the minimum (alcohol) thermometers are freely exposed in the louvred screens referred to in the notes on table A2 with their bulbs at a height of 160 to 170 centimetres above ground.

The monthly mean values of the above elements are computed as indicated in the table against each element; these values are computed according to the number of the routine observations taken at the station. In case of stations equipped with recording instruments for a given element, the 24 hours mean is calculated from the records of this element and is included in the table as being its monthly mean value irrespective of the number of the routine observations taken at the station for that element. The barographs are placed indoors, while the recording instruments for the other elements are exposed in the louvred screens at the station.

This table gives the following data :—

— The monthly mean values of the "Station Pressure" and of the "M.S.L. Pressure" and their deviations from the corresponding normal values,

— the monthly mean values of the maximum and of the minimum air temperatures, the arithmetical means of these two values and their deviations from the corresponding normal values,

— the monthly mean values of the dry and wet bulb temperatures and of the relative humidity and their deviations from the corresponding normal values.

The normal values of these monthly means are computed as indicated in the notes on table A1.

TABLE A 4.—Maximum and Minimum Air Temperatures.

The types and exposure of the maximum and of the minimum thermometers are as indicated in the notes on table A8.

This table gives the following data :

— The extreme values of the maximum and of the minimum air temperatures observed during the month and their dates of occurrences,

— the number of days during the month with maximum air temperatures above, and with minimum air temperatures below, specified limits.

TABLE A 5.—Rainfall and Snow Depth.

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 (less than 0.1 mm.) the term "trace" is entered as (tr). The amount of rainfall measured includes the water equivalent of the rain water which has frozen after falling and the water equivalent of solid precipitation, if any, such as hail.

The amount of rainfall is normally measured by ordinary raingauges ; some selected stations are also equipped with a recording type of raingauge. The rim of both types of gauges are at a height of 90 to 100 centimetres above the ground.

The depth of snow is measured daily as a part of the routine observations taken at the main synopic hours at a spot near the raingauge away from drifted snow so that a fair sample measurement is obtained. The depth is measured with a ruler plunged vertically irrespective the slope of the ground is. The maximum depth of the snow is the highest value of all the routine snow depth readings taken at the main synoptic hours of observation during the month.

This table gives the following data :

— The total amount of rainfall during the month and its deviation from the corresponding normal value for the station. The normal values are computed as indicated in the notes on table A1,

— the maximum amount of rainfall in one day and its date of occurrence.

— the number of days with amounts of rainfall reaching or exceeding specified limits

— the maximum depth of snow measured and its date of occurrence.

TABLE A 6.— BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT AND BLACK BULB TEMPERATURES AND GRASS MINIMUM

The 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 a given day, the period 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 satations where the record of a day or more is or are missing, the total actual duration is given between brackets and a note is added 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. The duration of bright sunshine is measured by the Campbell-Stokes sunshine recorders which are suitably exposed.

Evaporation measurements are taken once daily at 0600 U.T. and give the evaporation for the previous 24 hours. Except for the Giza and Tahrir Agro-Meteorological Stations (refer to notes on Table C2), the evaporation readings are measured by a Piche tube freely exposed in sloping double roofed louvred screens ; 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.

The Black and Bright bulb maximum (mercury) thermometers used are of the Negretti and Zambra or the Casella types, and are suitably exposed in the open on special stands at a height of 160 centimetres above ground. These instruments are read once daily at 1800 U.T.

The Grass Minimum (alcohol) thermometers are suitably exposed in the open on special stands with their bulbs at a height of 5 centimetres above ground just touching the grass tops if there is any.

This table gives the following data :—

— The total actual and the total possible durations of bright sunshine during the month ; the percentage of the total actual with respect to the total possible duration,

— The monthly mean values of the sky cover at the main synoptic hours of observations and their deviations from the corresponding normal values ; these normal values are computed as indicated in the notes on table A1,

— the monthly mean values of the maximum temperatures of the black bulb and of the bright bulb thermometers,

— the monthly mean value of the grass minimum temperatures.

TABLE A 7.—SOIL TEMPERATURES AT FIXED HOURS.

The soil temperature readings are taken as a part of the routine observations taken at the main synoptic hours in a selected number of stations; these temperatures are taken at different depths ranging from 5 centimetres to 200 centimetres.

The highest and lowest soil temperatures for the month are the highest and lowest values of all of the routine soil temperature readings taken at the main synoptic hours over the month.

The soil thermometers used are of the Negretti and Zambra, Fuess, or of the Fredrich types.

This table gives the following data:

— The monthly mean values of the soil temperatures at selected depths taken at the main synoptic hours of observations,

— the highest and lowest values of the soil temperatures and their dates of occurrences at the selected depths.

TABLE A 8.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

This table gives the number of days of occurrence of Rain, Snow, Ice pellets, Hail, Frost, Thunderstorms, Mist, Fog, Haze, Thick haze, Dustrising or Sandrising, Duststorms or Sandstorms, Drifting snow, Blowing snow, Gales, Cloudy sky and Clear sky. Except for rain (see notes on table A5) the days of occurrence of these weather phenomena are those days during which the phenomenon has occurred at any time between 0001 and 2400 local time.

In compiling this table the terminology and definitions of the different weather phenomena are as those given in Vol. 1 of the Cloud Atlas published by the World Meteorological Organization 1956 with the exception of ice pellets, soft hail, small hail and hail stones which are referred to and defined in the Atlas as ice pellets type (a), snow pellets, ice pellets type (b) and hail respectively. The following criteria have been used in compiling this table :

— A day of rainfall is the day during which the amount of rainfall is 0.1 millimetre or more,

— A day of snow is the day during which snow or snow flakes or snow showers is or are observed even if they are so small in quantity as to yield no measurable amounts of precipitation in the rain gauge.

— a day of ice pellets is the day during which ice pellets are observed even if they are so small in quantity as to yield no measurable amounts of precipitation in the rain-gauge.

— a day of hail is the day during which either one or more of the following types of precipitation is or are observed even if they are so small in quantity as to yield no measurable precipitation in the rain-gauge :

  — soft hail

  — small hail

  — hail stone,

— a day of thunderstorm is the day during which thunder is heard at the station whether lightning is seen or not. A day on which lightning is seen but thunder is not heard at the station is not counted as a day of thunderstorm,

— a day of frost is the day during which frost is observed at the station,

— a day of mist is the day during which the surface horizontal visibility at the station has deteriorated and became equal to or greater than 1000 metres due to mist,

— a day of fog is the day during which the surface horizontal visibility at the station has deteriorated and fell below 1000 metres due to fog,

— a day of haze is the day during which the horizontal visibility at the station has deteriorated and became equal to or greater than 1000 metres due to haze,

— a day of rising sand or rising dust is the day during which the horizontal visibility at the station has deteriorated and became equal to or greater than 1000 metres due to rising sand or rising dust,

— a day of duststorm or sandstorm is the day during which the horizontal visibility at the station has deteriorated and fell below 1000 metres due to duststorms or sandstorms,

— a day of slight or moderate drifting snow is the day during which the surface visibility below eye level (1,80 metres above the ground) has deteriorated at the station and became equal to or greater than 1000 metres due to drifting snow,

— a day of severe drifting snow is the day during which the surface visibility below eye level (1,80 metres above the ground has deteriorated at the station and became less than 1000 metres,

— a day of slight or moderate blowing snow is the day during which the surface visibility has deteriorated at the station and became equal to or greater than 1000 metres due to blowing snow,

— a day of heavy blowing snow (snow storm) is the day during which the surface visibility has deteriorated at the station and fell below 1000 metres due to blowing snow,

— a day of gale is the day during which the mean surface wind speed reached or exceeded 34 knots at the station for at least 10 minutes,

— a day of cloudy sky is the day on which the mean cloud amount at the station is 6/8 or more,

— a day of clear sky is the day on which the mean cloud amount at the station is less than 2/8.

As regards the last two items above the mean cloud amount for a day is the mean of the 24 hours, the 8 synoptic hours or the 4 main synoptic hours of cloud observations according to the number of the routine observations taken at the station.

TABLE A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges

The elements used in preparing this table are the mean hourly values of the surface wind speed and the corresponding mean hourly values of direction taken from the daily records of the surface wind instruments installed at the station. These mean hourly values are extracted for every hour of each day of the month and they refer to a period of 60 minutes centred at the hour.

The number in hours of occurrences of the surface wind falling within the ranges of speed and direction indicated in the table is the number of cases when the mean hourly values of the surface wind, as defined, have satisfied these ranges

The number in hours of "variable" winds is the number of cases where the surface wind showed no definite direction over the period of the 60 minutes centred at the hour or when the wind vane was sticking over that period due to the lightness of the wind and not responding to the variation in wind direction; in such cases the mean wind speed over this period is normally less than 5 knots. The number in hours of "Calm" winds is the number of cases where the surface wind has a mean speed of less than one knot over that period whatever the mean wind direction over the same period is. The number in hours during which the recording instrument failed to record over the whole month is given under a separate column.

The instruments used for recording the surface wind are of the Dines Pressure Tube Anemograph.

This table follows the general lines of Model B of chapter 12 part IV of the WMO Technical Regulations 1959. The ranges of wind speed are (1—10), (11—27), (28—47) knots and 48 knots or more; the ranges for wind direction are twelve ranges of 30° each, beginning with the range (345°—014°) as being the true north.

This table gives the following data :

— The total number in hours of simultaneous occurrences of surface wind satisfying the specified ranges of speed and direction during the month,

— the total number in hours of occurrences of surface wind satisfying the specified ranges of speed during the month irrespective of their direction,

— the total number in hours of occurrences of surface wind blowing from the specified ranges of direction during the month irrespective of their speed.

TABLE A 10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours

In preparing this table the routine observations of the surface wind taken at all the synoptic hours of observations are used ; these wind observations are the mean wind speed and mean wind direction over a period of ten minutes ending at the hour of observation. The terms "variable" and "calm" are used in the same manner as indicated in the notes on table A9 except for the period being ten minutes, the number of missing observations are centred under a separate column "not observed".

In case of stations which do not take all of these synoptic observations, the table is completed for the corresponding synoptic hours from the records of the surface wind instruments installed at the station. The instruments used for the surface wind observations are of the recording types indicated in the notes on table A9 and of the cup anemometer types ; their heads are freely exposed and are erected at suitably heights above the buildings or above the ground

This table follows the general lines of Model B of chapter 12 part 4 of the WMO Technical Regulations 1959. It gives the number of simultaneous occurrences of surface wind speed and direction observed within specified ranges during the month ; the ranges used in this table for the wind speed and for the wind direction are identical with those used in Table A9.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA.

The routine upper air observations are taken at 0000 and 1200 U.T., a separate table of this type is prepared for each hour. The number of cases the height of each of the pressure surfaces indicated in the table has been attained during the month and the number of cases the temperatures and the dew points have been observed at each of these surfaces are given in the table against each element under column (N).

The monthly mean values of the altitude, temperature and dew point at each of these pressure surfaces are the arithmetical means of the corresponding daily values over the number of cases (N) indicated against each element.

The instruments used are of the radiosonde modulating frequency recording type ; the types of transmitters used do not need to apply any corrections for radiation.

This table follows the general lines recommended by the Commission for Climatology of the World Meteorological Organization Rec. 34 (CCL—1); it gives the following data for the hour of observation indicated at the top of the table:

— The number of cases the height of each of the pressure surfaces has been attained during the month and the number of cases the temperature and dew point at these surfaces have been observed,

— the monthly mean values of the atmospheric pressure corrected to the ground level of the station (H) ; the highest and lowest values of this pressure observed during the month,

— the monthly mean values of the air temperature and of the dew point at the surface ; the highest and lowest values of the surface air temperature observed during the month,

— the monthly mean, the highest and the lowest values of the altitude for each of the pressure surfaces,

— the monthly mean, the highest and the lowest values of air temperature ; and the mean dew point at each of the pressure surfaces.

TABLE B2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE ; THE HIGHEST WIND SPEED IN THE UPPER AIR.

The routine upper air observations are taken at 0000 and 1200 U.T.; a separate table of this type is prepared for each hour as indicated in the notes on table B1. The number of cases the altitude of the freezing level and of the first tropopause have been attained during the month and the number of cases the pressures and the dew points or temperatures have been observed at these levels are given in the table against each element in the box (N).

The monthly mean values of the altitudes of the freezing level and of the first tropopause and the monthly mean values of the pressures and of the dew points or temperatures at each of these levels are the arithmetical means of the corresponding daily values over the number of cases (N) indicated in the box of each element.

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

This table is based on wind observations taken by the SCR—658 or the Metox radiotheodolites working simultaneously with the radiosonde observations. The types of radiosonde instruments used are given in the notes on table B1.

This table gives the following data for each hour of observation indicated at the top of the table :

— The number of cases the freezing level has been attained during the month and the number of cases the pressure and dew point have been observed at this level

— the number of cases the altitude of the first tropopause has been attained during the month and the number of cases the pressure and the temperature have been observed at this level,

— the monthly mean values of the altitude, pressure and dew point of the freezing level,
— the altitudes, pressures and dew points of the highest and lowest freezing level observed during the month,
— the monthly mean values of the altitudes, pressures and temperatures of the first tropopause,
— the altitudes, pressures and temperatures of the highest and lowest of the first tropopause observed during the month,
— the direction and speed of the highest wind speed observed during the month, the altitude at which this wind has been observed

TABLE B3.—NUMBER OF OCCURRENCES OF WIND DIRECTION WITHIN SPECIFIED RANGES AND THE MEAN SCALAR WIND SPEED AT THE STANDARD AND SELECTED PRESSURE SURFACES.

The routine upper air observations are taken at 0000 and 1200 U.T. A separate table of this type is used for each hour.

The mean scalar wind speed "ffm" of winds blowing from each range of directions at a given pressure surface, is the arithmetical mean of the corresponding daily values of wind speed for the number of cases "N" during the month.

The term "Calm" is used in this table to denote wind speeds of less than 0.6 knots.

This table is based on the wind observations taken at the station as indicated in the notes on table B2.

This table, as in the case of table B1, follows the general lines recommended by the Commission for Climatology of the World Meteorological Organization Rec. 34 (CCL—1) ; the ranges of wind direction used are twelve ranges of 30° each beginning with the range (345°—014°) as being the true north. This gives the following data for the hour of observation indicated at the top of the table ;

— The number of cases (N) the wind has been observed from the specified ranges of direction at the surface of the station and at the different pressure surfaces during the month,
— the total number of cases (TN) the wind has been observed at the surface of the station and at the different pressure surfaces during the month irrespective of the wind direction,
— the scalar wind speeds (ffm) blowing from the ranges of direction specified at the surface of the station and at the different pressure surfaces,
— the number of cases of "calm" winds at the surface of the station and at the different pressure surfaces,
— the scalar wind speeds at the surface of the station and at the different pressure surfaces blowing from all directions.

Review of Agro-Meteorological Stations at Giza and Tahrir

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 mean air temperature of the day is computed by using the formula: 06 + 12 + 18 U.T. dry bulb readings + minimum temperature / 4. The night-time mean air temperature of the day is obtained graphically to the nearest whole degree from the charts of recording thermometers 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 of the same day. The duration of air temperatures above a specified limit of temperature is obtained graphically from the same charts.

The maximum (mercury), the minimum (alcohol) and the dry bulb (mercury ventilated) thermometers are freely exposed in sloping double roofed louvred screens with their bulbs at a height of 210—220 centimetres above ground; the recording thermometer used is of the bi-metallic type and is exposed in the similar screen; the height of the bi-metallic piece is 210 centimetres approximately above the ground. The types and exposures of the minimum thermometers used over the different fields are as in the case of the grass minimum referred to in notes on table A6.

This table gives the following data :

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

— the mean of the day, the night-time mean and the day-time mean air temperatures for each day and their corresponding monthly mean values,

— the daily values of the duration of air temperatures above specified limits, the corresponding total durations for the whole month and their monthly mean values.

In addition, the extreme values of the maximum and of the minimum air temperatures and their dates of occurrences are given at the end of the table together with the absolute minimum air temperatures at the height of 5 centimetres above the dry soil, the wet soil and the grass (libia) covered fields, and their corresponding dates of occurrences.

TABLE C 2.—Wind Speed, (Solar + Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres Above Ground, Evaporation and Rainfall.

The night-time mean wind speed of the 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. The type of the wind instrument used is of the run counter of the Lambrecht type; the cups of which are at 2 metres above the ground.

The (solar + sky) radiation is obtained from the records of a Robitzsch Actinograph; 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 preceding 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 sensitive elements of the Robitzsch Actinograph and of the Epply Pyrheliometer are at 100 cms approximately above the ground. The types of instruments used for the measurement of the duration of bright sunshine, their exposure and the evaluation of the durations are as given in the notes on table A6.

The duration of the relative humidity above 90% and above 80% are given to the nearest hour and are obtained graphically from the records of a hair hygrograph exposed in a sloping double roofed louvred screen at a height of 210 centimetres approximately above ground.

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-Taflen of the Deutschen Wetter Dienst 1955 ; the height of the bulbs is 210 centimetres approximately above the ground. The mean relative humidity of the day is the mean of the values observed at 06 and 18 U.T.

The vapour pressure 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.

Evaporation measurements are taken once daily at 0600 U.T. from a Piche tube and also a class "A" evaporation pan and give the evaporation for the previous 24 hours. The Piche tube is freely exposed in the open air at a height of 120 centimetres above dry soil ; the colour and effective area of the evaporation disc are as given in the notes on table A6. 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 cylindrical 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 cen-

timetres above ground away from obstacles such as buildings or trees. The types of instruments used for measuring the amount of rainfall, their exposure and the evaluation of these amounts are given in the notes on table A5.

In addition, the following informations are 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 occurences as obtained from the daily routine observations of the month.

This table gives the following data :

— The mean of the day, the night-time and the day-time means of the surface wind speed for each day and also for the whole month,

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

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

— the duration in hours of the relative humidity above 90% and above 80% for each day and for the whole month, the mean of the day relative humidity and the value at 1200 U.T. for each day and for the whole month,

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

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

— the total amount of rainfall for each day and for the whole month.

TABLE C 3.—Extreme Soil Temperatures at different Depths in Different Fields.

The soil temperature readings are taken in the different fields at the specified depths ranging from 0.3 cm. to 300 cms. in each field as indicated in the table. These readings are taken regularly during the period from 0400 to 1800 U.T. according to the following schedule :—

— Daily every 2 hours for the 0.3,1,2 and 5 centimetres depths,

— daily at 0400 U.T. & 0600 U.T. and then every 3 hours up till 1800 U.T. for the 10 and 20 centimetres depths,

— daily at 0400, 0600, 1200 & 1800 U.T. 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 thermometers used are of the Fuess or the Friedrich types.

This table gives the highest and lowest values of the soil temperatures at the selected depths in the diferent fields; these values are being the highest and lowest values of all the routine soil temperature readings taken according to the schedule referred to above.

TABLE C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity.

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.

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.

LIST OF STATIONS APPEARING IN THE REPORT

(A) Synoptic and Climatological Stations

District	Station	Index number Hiii	Latitude °N	Longitude °E	Elevation of the ground in metres (H or Ha)	Altitude of the station in metres (Hp)	Altitude of the barometer cistern in metres	Height of wind recording instruments (metres)		Synoptic observations								Hourly observations (H) Half hourly observ. (h) (0000 2100)	Upper air observations P (Pilot Balloon) W (Radio Wind) R (Radio Sonde)				Remarks
								Above building	Above ground	00	03	06	09	12	15	18	21		00	06	12	18	
Mediterranean	Sallum	62·300	31 32	25 11	4.0	6.0	6.0	—	—	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Sidi Barrani	303	31 38	25 58	21.0	22.3	24.0	10	17	—	—	×	×	×	×	×	—	H	—	—	—	—	
	Mersa Matruh ... (A)	306	31 20	27 13	30.7	30.0	30.0	8	15	×	×	×	×	×	×	×	×	H	RW	P	RW	P	
	Dabaa	309	31 56	28 28	17.0	18.0	17.8	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	
	Dekheila ... ... (A)	316	31 08	29 48	—0.7	6.0	5.9	7	15	×	×	×	×	×	×	×	×	—	—	—	—	—	
	Alexandria ... (A)	318	31 12	29 57	—3.4	7.0	6.8	10	18	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Damietta	330	31 25	31 49	3.0	5.0	5.0	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Port Said ... ... (A)	333	31 17	32 14	0.8	7.4	6.1	10	19	×	×	×	×	×	×	×	×	H	P	P	P	P	
	El Arish	336	31 07	33 45	15.0	17.1	17.1	10	15	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Ghazza	338	31 10	34 27	9.7	15.7	15.7	—	—	×	×	×	×	×	×	×	×	H	P	P	P	P	
Lower Egypt	El Sirw	341	31 14	31 39	2.0	—	—	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	No pressure.
	Sakha	340	31 07	30 57	6.0	—	—	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	No pressure.
	Mansoura	343	31 00	31 27	6.0	8.0	7.1	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Damanhour	339	31 02	30 28	4.4	6.7	6.7	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Gimmeiza	347	30 48	31 07	8.0	8.9	8.9	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Tanta...	348	30 47	31 00	14.0	14·8	15.4	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	
	Tahrir	345	30 39	30 42	15.6	16.0	18.6	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	
	Shebin El Kom ...	360	30 36	31 01	12.0	17.9	17.9	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Zagazig	351	30 35	31 30	11.5	13.0	13.0	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Abu Sueir... ... (A)	438	30 34	32 06	15.0	16.0	16.0	—	—	×	×	×	×	×	×	×	×	H	—	—	—	—	
	Banha	363	30 28	31 11	14.0	—	—	—	—	—	—	×	—	—	—	—	—	—	—	—	—	—	No pressure.
	Zaher... ... ... (A)	365	30 24	31 35	18.5	23.5	23.3	10	18	—	—	×	×	×	×	×	—	H	—	—	—	—	
	Wadi El Natrun ...	357	30 23	30 21	—1.0	0.9	0.9	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	
	Inshas .. .. (A)	364	30 23	31 28	20.1	25.5	25.6	—	—	—	—	×	×	×	×	×	—	—	—	—	—	—	
	Fayed... ... ... (A)	444	30 19	32 17	33.0	35.0	35.0	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	
	Kabrit ... ... (A)	446	30 15	32 29	4.0	4.9	4.8	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	
	Delta Barrage	367	30 11	31 08	20.0	—	—	—	—	—	—	×	—	—	—	—	—	—	—	—	—	—	No pressure.
Cairo Area	Cairo ... ... (A)	366	30 08	31 34	94.7	74.5	74.0	14	18	×	×	×	×	×	×	×	×	h	—	—	—	—	
	Mostafa Helmi... (A)	368	30 06	30 51	163.2	164.0	164.0	8	12	×	×	×	×	×	×	×	×	H	—	—	—	—	
	Almaza ... ... (A)	372	30 06	31 22	74.0	78.5	78.6	10	25	×	×	×	×	×	×	×	×	H	—	—	—	—	
	Abbasiya ... (H.Q)	371	30 05	31 17	32.8	26.4	26.4	10	17	×	×	×	×	×	×	×	×	R	—	—	—	—	
	Imbaba ... ... (A)	373	30 04	31 11	17.6	19.0	19.0	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	
	Giza	375	30 02	31 13	21.0	22.5	22.5	8	10	—	—	×	×	×	×	×	—	H	—	—	—	—	
	Helwan	378	29 52	31 20	112.0	115.5	115.6	—	—	—	—	×	—	×	—	×	—	—	RW	W	RW	W	

LIST OF STATIONS APPEARING IN THE REPORT

(A) Synoptic and Climatological Stations *(contd.)*

District	Station	Index number Hiii	Latitude °N	Longitude °E	Elevation of the ground in metres (H or Ha)	Altitude of the station in metres (Hp)	Altitude of the barometer cistern in metres	Height of wind recording instruments (metres)		Synoptic observations								Hourly observations (H) Half hourly observ. (h) (0000-2400)	Upper air observations P (Pilot Balloon) W (Radio Wind) R (Radio Sonde)				Remarks
								Above building	Above ground	00	03	06	09	12	15	18	21		00	06	12	18	
Upper Egypt	Fayoum	381	29 18	30 51	22.0	23.3	23.3	10	14	—	—	×	×	×	×	×	—	H	—	—	—	—	
	Beni Suef	384	29 04	31 06	28.4	30.0	30.0	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	
	Beds	—	28 54	30 56	30.5	—	—	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	No Pressure
	Minya... ... ... (A)	387	28 05	30 44	39.0	40.0	40.3	7	10	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Mallawi	389	27 42	30 45	44.0	—	—	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	No Pressure
	Asyout(Mangabad)(A)	393	27 11	31 06	71.0	69.6	69.5	—	—	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Shandaweel	396	26 36	31 38	59.0	—	—	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	No Pressure
	Nag Hammadi ...	399	26 03	32 15	68.7	70.5	70.5	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Kena	4 2	26 10	32 43	72.6	74.2	74.2	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Luxor... ... ... (A)	405	25 40	32 42	94.9	88.5	88.4	7	15	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Kom Ombo	411	24 29	32 56	102.0	102.6	102.6	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	
	Aswan ... ... (A)	414	23 58	32 47	196.0	193.5	193.5	—	—	×	×	×	×	×	×	×	×	H	RW	P	RW	P	
Western Desert	Siwa	417	29 12	25 29	—15.0	—13.5	—13.3	10	17	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Bahariya	420	28 29	28 54	128.0	129.5	129.6	—	—	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Farafra	423	27 03	27 58	90.0	91.8	92.1	—	—	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Dakhla	432	25 29	29 00	110.0	111.5	111.5	10	15	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Kharga	435	25 26	30 34	72.0	72.8	73.0	—	—	×	×	×	×	×	×	×	×	H	P	P	P	P	
Red Sea	Suez	450	29 56	32 33	5.0	11.0	12.2	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Tor	459	28 14	33 37	2.7	4.2	4.2	—	—	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Hurghada	462	27 17	33 46	1.0	2.8	2.8	8	12	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Quseir	465	26 08	34 18	8.0	11.3	11.3	—	—	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Abul Kizan	471	24 55	35 52	4.0	5.0	5.0	—	—	—	—	×	—	×	—	×		—	—	—	—	—	

LIST OF STATIONS APPEARING IN THE REPORT

(*B*) Precipitation Stations.

District	Station	Latitude °N		Longitude °E		Elevation of the ground in metres (H or Ha)
MEDITERRANEAN	Ras El Hikma	31	15	27	52	50
	Fuka	30	04	27	55	26
	Hammam	30	50	29	25	15
	Borg El Arab	30	55	29	32	10
	Mox...	31	09	29	50	5
	Tolombat El Tabia	31	18	30	04	1
	Kom El Tarfaia	31	14	30	09	2
	Rosetta L.H.	31	24	30	25	2
	Borollos L.H.	31	26	31	05	10
	Damietta L.H.	31	31	31	51	2
LOWER EGYPT	Tolombat El Boseili	31	20	30	24	2
	Kafr El Dawar	31	08	30	08	3
	Kafr El Sheikh	31	07	30	57	7
	Kafr El Zayat	30	49	30	51	10
	Faqus	30	45	31	50	10

GENERAL SUMMARY OF WEATHER CONDITIONS

JANUARY 1961

Northern Region : Generally cold and rainy with scattered thunderstorms and light snow fall over mountainous ranges.

Southern Region : Rather cold and humid, rainy in the northern part with scattered thunderstorms. Widespread dustrising on the 25th. & 26 th. Frequent early morning mist at Cairo and Canal areas.

THE MAIN FEATURES

— A prevailing pronounced cold wave during the 4th week. Remarkably cold nights in the Northern Region and the Western Desert of the Southern Region during the second and fourth weeks with minimum temperatures below 0°C.

— Slightly high relative humidity over the northern and the mid-inland districts of the Southern Region and most districts of the Northern Region.

— Abnormally high monthly rainfall in most parts of the Southern Region and the North Eastern and the Desert districts of the Northern Region.

— Four transits of secondary depressions through East Mediterranean during the month, and a northward elongation of the Sudan trough of low pressure through Egypt and northern part of the Red Sea round the end of the month.

— Scattered thunderstorms (mainly over high ground) in the Northern Region districts and the northern districts of the Southern Region.

— Widespread rising dust and duststorms over the Southern Region associating the transit of the Mediterranean disturbance and its secondary Khamsin depressions on the 25th and 26th over East Mediterranean.

— Frequent ealy morning mist or fog patches at Abu Sueir, Mostafa Helmi and Giza.

GENERAL DESCRIPTION OF WEATHER

During this month, cold easterly and southeasterly winds prevailed over the Northern Region, while the rather cold and dusty westerly to southwesterly winds prevailed over the Southern Region in general.

As a consequence the Northern Region experienced three cold waves, the last of which was the most intense and was characterized with freezing air temperatures.

Light rain fell over most districts of the Northern Region and the northern part of the Southern Region with the exception of scattered localities where it was heavy such as Kamishly (37 mms. on the 19th), Damascus (23 mms. on the 9th), Sidi Barrani (34 mms. on the 19th and 35 mms. on the 29th), Alexandria (27 mms. on the 1st and 17 mms. on the 31st) and El Arish (27 mms. on the 19th). Snow fell over high lands in the Northern Region while local thunderstorms occurred over most districts of the Northern Region and scattered parts in the Southern Region.

Early morning mist was mostly frequent over Cairo Area this month, but was less frequent over Delta and Canal areas in the Southern Region and scattered localities in the Northern Region.

Departures of the monthly values of various meteorological elements for different districts are given in the following table

District	Atmospheric pressure (mb.) Corrected to M.S.L.			Air temperature (°C)						Relative humidity (%)			Total rainfall (mms.)	
				Maximum (A)		Minimum (B)		(A+B)/2						
	Derivation of the mean values (a,c)	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Derivation of the mean values (a,e)	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	a	1018.1	+ 0.5	18.5	+ 0.1	9.7	+ 1.1	14.1	+ 0.6	a	69	0	48.7	+ 12.1
Lower Egypt	c	1018.3	+ 0.1	20.2	+ 0.4	7.5	+ 0.7	13.8	+ 0.6	e	83	+ 2	17.0	+ 1.9
Cairo Area	a	1018.3	+ 0.2	19.6	+ 0.4	8.5	+ 0.8	14.0	+ 0.6	a	63	— 1	4.0	+ 0.8
Upper Egypt	a	1017.6	— 0.4	22.2	+ 0.5	7.0	+ 1.3	14.6	+ 0.9	a	54	— 2	0.4	0.0
Western Desert	a	1018.5	— 0.4	20.7	0.0	6.1	+ 1.2	13.4	+ 0.6	a	48	— 5	1.4	+ 1.2
Red Sea	a	1016.3	— 0.5	22.3	+ 0.6	15.1	+ 1.0	18.7	+ 0.8	a	50	— 6	2.4	+ 1.3

a = the 24 hours mean. c = 4 main synoptic hours mean. e = 06 and 18 U.T. hours mean.

PRESSURE DISTRIBUTION

During this month, the characteristic pressure systems over the surface map can be summarized in :

— The Siberian anticyclonic ridge over southwest Russia east of the Black Sea and its southwest extensions.

— The Atlantic anticyclonic ridge along west coasts of Europe and Africa and its eastward extension.

— The deep travelling depressions from North Atlantic throug Europe and Russia along an east or a northeast track.

— Secondary depressions over the Mediterranean Region and its vicinities.

— Troughs of low pressure over Sudan and Central Africa.

On the otherhand, the upper pressure patterns at the 700 and 500 mb levels were more simplified and rather stationary. Two upper lows appeared over north Russia and north Atlantic separated with a block the whole month. They showed few sharp south extensions towards the Mediterranean, thus disturbing the prevailing westerly upper flow there.

Four shallow secondary depressions traversed East Mediterranean this month. The first secondary depression appeared over East Mediterranean and its northern vicinities at the beginning of this month, it proceeded rapidly eastwards and reached the Arabian Gulf by the 3rd.

The second secondary depression originated over West Mediterranean on the 1st at the foot of a deep northern travelling depression, it proceeded rapidly eastwards, passed Central Mediterranean by the 3rd where it was stationary up till the 8th. On the 9th, it shooted rapidly through East Mediterranean towards Cyprus where it was stationary both the 10th and 11th.

The third secondary depression developed over northwest Africa on the 13th, proceeded northeastwards towards Central Mediterranean where it remained stationary on the 15th and 16th, then it shooted towards Cyprus where it was stationary most of the period (17th–19th).

The last secondary depression appeared over Spain on the 22nd. It followed a southeast track, passed Tunisia on the 23rd, Gulf of Serte on the 24th, then it deviated northeastwards towards Greece. Between the 25th and 27th, a family of secondary depressions occupied both Central and East Mediterranean Regions, but on the 27 th it filled up rapidly.

It is worth to note that high pressure established over the Mediterranean area and its vicinities at the rear of the travelling Mediterranean secondary depressions. Sometimes a visible amalgamation of both anticyclonic pressure systems over Russia and Atlantic occurred. Moreover, secondary depressions were rather shallow and their transits through East Mediterranean were more fast.

SURFACE WIND

NORTHERN REGION

The prervailing winds were generally light/moderate, SEly in general with the exception of few days during which NWly or NEly winds blew. Fresh/strong winds accompanied transits of Mediterranean secondary depressions through the Region from the west.

Gales were reported at : Damascus on the 14th, 15th, 17th & 21st ; Lattakia on the 25th; Kuneitra on the 15th & 21st; Joureen on the 19th & 21st; Fiq on the 24th & 26th ; and at Kattinah on the 15th, 17th, 20th & 21st. The maximum gale wind was 50 knots gusting to 56 knots over Kuneitra on the 15th.

SOUTHERN REGION

The prevailing winds were generally light/moderate ; E/NEly round periods 6th, (12th–15th), (21st–23rd) & (28th–29th) ; N/NWly round periods (2nd -3rd),

5th, (7th–8th), (10th–11th), 17th, (19th–20th), 27th & (30th–31st); and Sly otherwise. Fresh/strong winds blew in advance and during the transits of troughs of low pressure through the northern part of the Region.

Calms were frequent during night and early morning intervals over scattered localities particularly in Western Desert and Upper Egypt districts.

Gales were reported at Abu Sueir, Inshas, Fayed and Kabrit on the 25th.

TEMPERATURE

NORTHERN REGION

Maximum temperature oscillated over the Coastal district round normal during the first three weeks and its values ranged between 13 & 19°C, while during the rest of the month it oscillated below its normal and its values ranged between 18 & 6°C. Over the mid-inland and far inland districts maximum temperature oscillated above its normal most of the first ten days of the month and its values ranged between 13 & 18°C, while otherwise it oscillated below its normal and its values ranged between 13 & 5°C, with an intensively cold interval during the fourth week during which its values ranged between 7 & 0°C. The absolute maximum temperature for the Region was 23°C reported at Himmah (195 metres below sea level) on the 8th.

Minimum temperature was similarly oscillatory. Over the Coastal district it oscillated round normal during the first three weeks and its values ranged between 7 & 12°C, while it oscillated below normal otherwise and its values ranged between 4 & 10°C. Over the mid-inland and far inland districts, minimum temperature oscillated round normal and its values ranged between 8 & −2°C. The absolute minimum temperature for the Region was −7.1°C reported at Nabek on the 23rd.

SOUTHERN REGION

Maximum temperature, over the Mediterranean and mid-inland districts oscillated slightly above its normal most days of the month with the exception of the period (19th–23rd), during which it oscillated below normal and its values ranged between 18 & 23°C and between 18 & 13°C respectively. Over the far inland districts, maximum temperature oscillated below its normal most of the first half and its values ranged between 24 & 19°C, while during the second half of the month, it oscillated remarkably large round its normal and its values ranged between 30 & 20°C. The absolute maximum temperature for the Region was 33.0°C at Aswan on the 18th.

On the other hand, minimum temperature over the Mediterranean districts was similarly slightly oscillatory above normal in general with the exception of the period (20th–24th), during which it was appreciably below normal and its values ranged between 8 & 13°C and between 9 & 5°C respectively. Over the mid-inland districts, minimum temperature oscillated round its normal in general, though its variability was slight during the first half of the month (from 7 to 3°C) and remarkably large during the second half (from 12 to 0°C). Over the far inland districts, it oscillated below its normal during the first half of the month and its values ranged between 12 & 6°C, while it oscillated remarkably large round normal during the second half and its values ranged between 14 & 4°C. The absolute minimum temperature for the Region was −1.5°C at Farafra on the 24th.

PRECIPITATION

NORTHERN REGION

Light rain fell all over the Region most days of the month with the exception of the majority of the first week and few scattered days otherwise. On the 19th, widespread heavy rain fell over most districts of the Region. Showers of

snow fell over high lands in the Western Inland and North Eastern districts during few scattered days in the second half of the month. The monthly rainfall exceeded its normal over the Desert and North Eastern districts, though its absolute value for the Region (186.0 mms) was reported at Khreibah in the Coastal district. The absolute daily rainfall for the Region was 70.0 mms reported on the 20th at Arida (Coastal district also).

SOUTHERN REGION

Light/heavy rain fell over the northern part of the Region round the periods (1st–2nd), (18th–21st) & (29th–31st), particularly over the coastal Mediterranean strip west Alexandria. The monthly rainfall exceeded its normal over most localities of the northern part of the Region. The absolute monthly rainfall for the Region was 125.2 mms reported at Sidi Barrani, while the absolute daily rainfall was 34.7 mms reported also at Sidi Barrani on the 29th.

MISCELLANEOUS WEATHER PHENOMENA

SOUTHERN REGION

Hail fell at Ghazza on the 21st.

Thunderstorms occurred at : Sidi Barrani on the 1st ; Mersa Matruh on the 1st & 16th ; Dekheila on the 1st & 2nd ; Alexandria on the 1st ; Ghazza on the 9th, 19th, 20th & 30th ; Tanta on the 2nd ; Abu Sueir on the 18th ; and at each of Inshas, Fayed, Kabrit, Cairo, Almaza, Abbasiya & Giza on the 19th.

Mist patches developed at : Alexandria on the 23rd ; Port Said on the 4th, 9th & 27th ; El Arish on the 27th ; Ghazza on the 28th ; Tahrir on the 4th, 7th, 22nd & 23rd ; Abu Sueir on the 2nd, 6th, 11th, 12th, 15th, 18th, 19th, 21st, 24th, 29th & 31st ; Zaher on the 3rd, 8th, 9th, 19th, 27th, 29th, 30th & 31st ; Inshas on the 3rd, 4th, 8th & 9th ; Cairo on the 3rd, 6th, 8th, 12th, 18th, 21st & 31st ; Mostafa Helmi on the 3rd, 6th, 9th, 10th, 11th, 13th, 14th, 16th (18th–22nd), 30th & 31st ; Almaza on the 31st ; Abbasiya on the 3rd, 4th, 9th, 18th, 27th & 28th ; Imbaba on the 9th, 12th, 14th, 24th & 28th ; Giza on the 3rd, 6th, 13th, 15th, 18th, 19th & 28th ; Beni Suef on the 6th, 13th, 14th, 15th, 21st, 28th & 30th ; Minya on the 6th, 8th and 15th ; Asyout on the 21st ; and at Bahariya on the 30th.

Fog-patches developed at : Alexandria on the 4th, 7th, 8th & 9th ; El Arish on the 28th ; Abu Sueir on the 3rd, 7th, 9th, 14th, 20th & 28th ; Zaher on the 7th & 28th ; Inshas on the 7th, 28th & 31st : both Fayed & Kabrit on the 28th ; Cairo on the 7th, 9th & 28th ; Mostafa Helmi on the 7th, 8th, 12th, 15th & 28th ; Almaza on the 7th, 8th, 9th, & 28th ; Abbasiya on the 7th & 8th ; Imbaba on the 4th, 7th, 8th & 15th ; Giza on the 4th, 7th, 8th, 9th, 12th & 28th ; and at Beni Suef on the 7th & 8th ;

Local rising sand or dust was reported at : Sallum, Mersa Matruh, Dekheila & Alexandria on the 25th & 26th ; Ghazza & Tanta on the 25th ; Tahrir on the 1st & 19th ; Abu Sueir on the 1st & 26th ; Zaher on the 1st, 4th & 26th ; Wadi El Natrun on the 1st, 19th & 25th ; Inshas on ths 1st, 25th & 26th ; Fayed on the 1st & 26th ; Cairo on the 1st, 9th, 10th, 18th & 26th ; Mostafa Helmi on the 15th, 16th, 19th, 23rd & 26th ; Almaza on the 1st & 17th ; Abbasiya, Imbaba, Giza, Beni Suef & Minya on the 25th ; Aswan on the 26th ; Siwa on the 25th ; Bahariya on the 9th, 25th & 26th ; Farafra on the 1st & 25th ; and at Tor on the 19th & 25th.

Sand or duststorms blew over : Mersa Matruh on the 1st ; Port Said on the 1st, 25th & 26th ; and over Tahrir, Abu Suier Zaher, Inshas Fayed, Kabrit, Cairo, Mostafa Helmi, Almaza & Kharga on the 25th.

M. F. TAHA
Director General
Meteorological Department

Cairo, April 1964

TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "Hp" AND TO MEAN SEA LEVEL

JANUARY 1961

District	Station	Altitude of Hp. (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal
MEDITERRANEAN	Sallum	6.0	1017.8	—	1018.3	+1.3	1017.3	+1.5	1018.2	+1.8	6.0	1018.4	—	1018.8	+1.4	1017.8	+1.6	1018.7	+1.9
	Sidi Barrani	22.8	1015.3	+1.3	1015.4	+1.2	1014.5	+1.2	1015.6	+1.8	24.0	1017.9	+1.3	1018.0	+1.2	1017.1	+1.2	1018.2	+1.8
	Mersa Matruh ... ... (A)	30.0	1014.8	+1.5	1015.2	+1.2	1014.3	+1.4	1015.2	+1.4	30.0	1018.5	+1.5	1018.9	+1.2	1018.0	+1.4	1018.9	+1.4
	Dabaa	18.0	1015.8	—	1016.2	—	1015.3	—	1016.2	—	17.8	1017.7	—	1018.2	—	1017.3	—	1018.2	—
	Dekheila ... ... (A)	6.0	1018.1	—	1018.4	+0.2	1017.5	—0.2	1018.3	—	5.9	1018.7	—	1019.0	+0.2	1018.1	—0.2	1018.9	—
	Alexandria ... ... (A)	7.0	1017.5	+0.8	1017.8	+0.7	1016.8	+0.8	1017.7	+0.9	6.8	1018.3	+0.8	1018.6	+0.7	1017.6	+0.8	1018.5	+0.9
	Damietta	5.0	1018.4	—	1018.5	+0.7	1017.2	+0.8	1018.4	+1.2	5.0	1018.8	—	1018.9	+0.7	1017.6	+0.8	1018.8	+1.2
	Port Said ... ... (A)	7.4	1017.2	+0.1	1017.5	—0.1	1016.3	—0.1	1017.3	0.0	6.1	1017.9	+0.1	1018.2	—0.1	1017.0	—0.1	1018.0	0.0
	El-Arish	17.1	1016.4	+0.3	1016.9	—0.1	1015.5	—0.1	1016.4	+0.1	17.1	1017.6	+0.3	1018.1	—0.1	1016.7	—0.1	1017.6	+0.1
	Ghazza	15.7	1015.8	—	1016.1	—	1014.8	—	1015.7	—	15.7	1017.7	—	1018.0	—	1016.7	—	1017.6	—
LOWER EGYPT	Mansoura	8.0	1017.9	—	1018.0	+0.2	1016.7	+0.3	1018.0	+0.5	7.1	1018.7	—	1018.8	+0.2	1017.5	+0.3	1018.8	+0.5
	Damanhour	6.7	1018.3	—	1018.2	+0.3	1017.0	+0.3	1017.8	+0.4	6.7	1019.0	—	1018.8	+0.2	1017.7	+0.3	1018.5	+0.5
	Gimmeiza	8.9	1017.0	—	1017.5	0.0	1016.3	0.0	1016.9	—0.2	8.9	1018.0	—	1018.5	0.0	1017.3	0.0	1017.9	—0.2
	Tanta	14.8	1016.4	—	1016.6	—0.6	1015.5	0.0	1016.7	+0.1	15.4	1017.9	—	1017.8	—6.0	1016.7	0.0	1017.9	+0.1
	Tahrir	16.0	1016.2	—	1016.7	—	1015.4	—	1016.3	—	18.6	1018.4	—	1019.0	—	1017.6	—	1018.5	—
	Shebin El Kom	17.9	1016.0	—	1016.5	—0.7	1015.4	—0.2	1016.0	—0.6	17.9	1018.2	—	1018.7	—0.7	1017.3	—0.2	1018.3	—0.6
	Zagazig	13.0	1016.8	—	1017.6	+0.1	1015.9	+0.3	1017.2	+0.5	13.0	1018.4	—	1019.2	+0.1	1017.5	+0.3	1018.8	+0.5
	Abu Sueir ... ... (A)	16.0	1016.6	—	1017.2	—	1015.4	—	1016.7	—	16.0	1018.6	—	1019.1	—	1017.3	—	1018.7	—
	Zaher ... ... (A)	23.5	1013.9	—	1014.6	—	1013.0	—	1014.1	—	23.5	1017.7	—	1018.3	—	1016.6	—	1017.8	—
	Wadi El Natrun	0.9	1019.3	—	1019.7	+1.1	1018.0	+1.1	1019.2	+1.4	0.9	1019.4	—	1019.8	+1.1	1018.1	+1.1	1019.3	+1.4
	Inshas..	25.5	1012.3	—	1012.9	—	1011.2	—	1012.6	—	25.6	1015.6	—	1016.0	—	1014.2	—	1015.7	—
	Fayed ... ... (A)	35.0	1016.8	—	1016.9	—	1015.1	—	1016.5	—	35.0	—	—	—	—	—	—	—	—
	Kabrit ... ... (A)	4.9	1017.8	—	1018.3	—	1016.4	—	1017.6	—	4.8	1018.5	—	1019.0	—	1017.1	—	1018.3	—
CAIRO AREA	Cairo ... ... (A)	74.5	1009.7	+0.6	1010.1	+0.4	1008.6	+0.2	1009.5	+0.4	74.0	1018.8	+0.7	1019.2	+0.5	1017.4	+0.2	1018.7	+0.6
	Mostafa Helmi ... ... (A)	164.0	998.9	—	999.3	—	997.9	—	999.0	—	164.0	1018.7	—	1019.1	—	1017.2	—	1018.6	—
	Almaza ... ... (A)	78.5	1008.7	+0.1	1009.2	—0.1	1007.6	—0.0	1008.8	+0.1	78.6	1018.3	+0.2	1018.8	0.0	1016.9	0.0	1018.3	+0.1
	Abbasiya (H.Q.)	26.4	1016.3	—	1016.7	—	1015.1	—	1016.2	—	26.4	1019.6	—	1020.0	—	1018.3	—	1019.4	—
	mbaba ... ... (A)	19.0	1016.6	—	1017.0	—	1015.3	—	1016.5	—	19.0	1018.6	—	1019.2	—	1017.4	—	1018.6	—
	iza	22.5	1015.7	—	1016.3	—0.1	1014.6	0.0	1015.6	0.0	22.5	1018.5	—	1019.1	—0.1	1017.4	0.0	1018.4	0.0
	Helwan	115.5	—	—	1005.5	+0.1	1003.8	+0.3	1004.7	0.0	115.6	—	—	1019.5	+0.1	1017.2	+0.1	1018.6	+0.2

TABLE A 1. (*contd.*)—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "Hp" AND TO MEAN SEA LEVEL

JANUARY 1961

District	Station	Altitude of Hp. (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from nomal
Upper Egypt	Fayoum	23.3	1015.9	—	1016.5	+0.6	1014.6	+0.8	1015.3	+0.5	23.3	1019.0	—	1019.6	+0.6	1017.6	+0.8	1018.3	+0.5
	Beni Suef	30.0	1014.7	—	1015.3	—0.3	1013.8	+0.3	1014.1	—0.3	30.0	1018.7	—	1019.1	—0.1	1017.2	+0.3	1017.7	—0.3
	Minya ... ... (A)	40.5	1013.4	—0.3	1014.0	—0.2	1012.5	—0.1	1013.2	—0.3	40.3	1018.4	—0.4	1019.1	—0.2	1017.4	0.0	1018.2	—0.2
	Asyout (Mangabad) ... ... (A)	69.6	1009.6	—0.2	1010.6	—0.7	1008.7	—0.2	1009.7	—0.1	69.5	1018.1	—0.3	1019.2	—0.7	1016.9	—0.2	1018.1	—0.1
	Nag Hammadi	70.5	1009.2	—	1010.3	—0.8	1008.0	—0.6	1009.1	—0.5	70.5	1017.6	—	1018.8	—0.9	1016.2	—0.7	1017.6	—0.5
	Kena	74.2	1009.1	—	1009.7	—0.7	1006.8	—0.7	1008.2	—0.4	74.2	1018.1	—	1018.7	—0.7	1015.4	—0.7	1017.2	—0.2
	Luxor ... ... (A)	88.5	1006.4	—0.7	1007.6	—0.9	1005.2	—0.8	1006.3	—0.4	88.4	1016.9	—0.9	1018.2	—0.9	1015.4	—0.8	1016·8	—0.4
	Kom Ombo	102.6	1004.5	—	1005.9	—	1003.1	—	1004.4	—	—	1016.9	—	1018.3	—	1015.1	—	1016.5	—
	Aswan ... ... (A)	193.5	992.9	—	994.3	—0.8	991.7	—1.9	992.9	—1.3	193.5	1016 2	—	1017.7	—0.9	1013.9	—2.0	1015.7	—1.3
Western Desert	Siwa	—13.5	1020.8	+0.3	1021.7	+0.4	1020.3	+0.6	1021.0	+0.8	—13.3	1018.9	+0.3	1019.8	+0.4	1018.6	+0.6	1019.2	+0.9
	Bahariya	129.5	1003.2	—	1004.0	—0.8	1002.2	—0.9	1002.8	—1.4	129.6	1018.7	—	1019.6	—0.7	1017.2	—1.0	1018.1	—1.6
	Farafra	91.8	1009.9	—	1010.8	+0.9	1009.4	+1.0	1010.0	+1.0	92.1	1020.8	—	1021.7	+1.0	1019.9	+1.1	1020.5	+1.0
	Dakhla	111.5	1003.5	—	1004.7	—0.5	1003.0	0.0	1003.6	—0.4	111.5	1017.2	—	1018.4	—0.5	1016.1	—0.1	1017.0	—0.3
	Kharga	72.8	1008.7	—	1009.6	—1.8	1007.6	—1.8	1008.6	—1.6	73.0	1017.4	—	1018.3	—1.9	1016.1	—1.7	1017.2	—1.6
Red Sea	Suez	11.0	1017.3	—	1017.6	+0.1	1015.8	—0.5	1016.8	+0.2	12.2	1018.5	—	1018.8	+0.1	1017.0	—0.5	1018.0	+0.2
	Tor	4.2	1016.2	—	1017.1	—0.4	1015.2	—0.6	1016 2	—0.2	4.2	1016.6	—	1017.5	—0.4	1015.6	—0.6	1016.6	—0.2
	Hurghada	2.8	1016.5	+0.6	1017.5	+0.1	1015.3	—0.2	1016.6	+0.2	2.8	1016.7	+0.6	1017.7	+0.1	1015.5	—0.2	1016.8	+0.2
	Quseir	11.3	1014.4	—	1015.5	—1.2	1013.6	—1.5	1014.6	—1.2	11.3	1015.4	—	1016.5	—1.2	1014.6	—1.5	1015.6	—1.2
	Abul Kizan	5.0	1015.0	—	1015.8	—	1014.3	—	1015.2	—	5.0	1015.5	—	1016.3	—	1014.8	—	1015.8	—

TABLE A 2.—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

JANUARY 1961

District	Station	Dry bulb temperature (°C)								Wet 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
MEDITERRANEAN	Sallum	11.9	—	10.9	— 0.5	17.4	— 0.4	14.2	— 0.2	9.6	—	8.9	+ 0.1	12.2	— 0.3	11.1	+ 0.1	73	—	75	+ 6	51	+ 1	66	+ 3
	Sidi Barrani	10.7	+ 0.4	9.7	0.0	16.4	— 0.9	13.3	+ 0.1	9.7	+ 1.8	8.6	+ 1.1	12.8	+ 0.7	11.3	+ 1.1	89	+19	86	+15	64	+13	77	+11
	Mersa Matruh ... (A)	11.0	+ 0.9	10.8	+ 0.4	17.3	0.0	12.6	— 0.3	9.1	+ 1.2	9.0	+ 0.7	12.4	+ 0.1	10.3	+ 0.2	76	+ 4	77	+ 4	53	+ 1	74	+ 6
	Dabaa	10.2	—	10.5	+ 0.1	17.5	— 0.1	12.6	— 0.4	8.3	—	8.0	— 0.2	12.7	+ 0.5	10.3	+ 0.2	75	—	69	— 3	54	+ 5	74	+ 7
	Dekheila ... ... (A)	12.3	—	12.5	— 0.2	18.0	+ 0.8	14.7	—	9.8	—	9.9	— 0.5	13.1	— 0.1	11.4	—	71	—	70	— 4	54	— 7	64	—
	Alexandria ... ... (A)	11.4	0.0	12.8	+ 1.4	18.6	+ 0.9	13.7	+ 0.5	9.9	+ 0.1	10.8	+ 1.2	13.5	+ 0.7	11.4	+ 0.3	82	+ 2	77	— 1	53	— 1	74	— 2
	Damietta	10.5	—	11.7	+ 0.5	17.6	+ 0.6	13.7	+ 0.8	—	—	10.3	+ 0.5	13.5	+ 0.5	12.1	+ 0.8	—	—	84	+ 1	61	0	82	0
	Port Said ... ... (A)	13.5	+ 0.3	13.5	+ 0.5	17.7	+ 0.5	15.0	+ 0.4	11.3	0.0	11.0	+ 0.1	13.6	+ 0.4	12.3	0.0	75	— 3	72	— 4	61	0	71	— 4
	El Arish	11.3	+ 1.0	12.0	+ 0.8	18.1	+ 0.6	14.0	+ 0.8	9.7	+ 1.0	9.9	+ 1.0	13.7	+ 0.6	11.6	+ 0.7	80	+ 1	75	+ 3	58	0	74	0
	Ghazza	11.5	—	11.3	—	17.0	—	14.6	—	10.2	—	10.0	—	14.5	—	12.8	—	85	—	84	—	75	—	81	—
LOWER EGYPT	El Sirw	11.2	—	11.9	+ 0.8	18.2	+ 0.4	12.8	+ 0.2	—	—	10.6	+ 0.8	13.4	— 0.6	11.6	+ 0.7	—	—	85	+ 2	55	— 8	87	+ 6
	Sakha	9.3	—	10.9	+ 1.3	19.5	+ 1.3	11.6	+ 1.5	—	—	10.0	+ 1.5	13.6	+ 0.3	10.0	+ 1.1	—	—	89	+ 3	48	— 6	80	— 5
	Mansoura	10.6	—	10.9	+ 1.2	19.3	+ 1.1	13.8	+ 1.1	—	—	9.3	+ 1.0	13.6	+ 0.4	11.2	+ 0.6	—	—	81	— 1	49	— 5	71	— 5
	Damanhour	9.0	—	10.6	+ 0.8	18.5	+ 0.9	12.4	+ 0.2	—	—	9.5	+ 1.1	13.7	+ 0.6	10.5	+ 0.3	—	—	87	+ 6	55	— 2	78	+ 1
	Gimmeiza	7.6	—	11.4	+ 1.6	19.2	+ 0.9	11.9	+ 0.6	—	—	10.3	+ 1.5	15.4	+ 1.5	11.1	+ 1.0	—	—	87	0	64	+ 5	91	+ 6
	Tanta	8.7	—	9.2	— 0.4	19.1	+ 0.3	11.8	— 0.1	7.2	—	7.6	— 0.7	13.9	+ 0.2	9.9	— 0.1	80	—	79	— 4	53	0	78	+ 1
	Tahrir	9.9	—	10.0	—	18.6	—	13.1	—	8.4	—	8.4	—	12.4	—	10.5	—	80	—	79	—	44	—	71	—
	Shebin El Kom ...	8.9	—	10.7	+ 1.3	19.6	+ 0.6	12.3	— 0.1	—	—	9.4	+ 1.8	14.2	+ 1.1	10.7	+ 0.9	—	—	84	+ 8	52	+ 5	82	+12
	Zagazig	10.2	—	10.1	+ 0.5	19.0	+ 0.3	13.5	+ 1.2	—	—	8.8	+ 0.4	14.0	0.0	11.4	+ 0.8	—	—	83	— 1	54	— 3	76	— 4
	Abu Sueir ... ... (A)	9.5	—	9.8	—	19.2	—	13.6	—	7.9	—	8.2	—	12.7	—	10.6	—	79	—	79	—	43	—	67	—
	Zaher ... ... (A)	9.7	—	9.8	—	18.6	—	13.4	—	8.5	—	8.5	—	13.2	—	11.0	—	84	—	83	—	51	—	73	—
	Wadi El Natrun ...	10.5	—	10.4	+ 0.2	19.6	+ 0.4	14.0	— 0.6	8.5	—	8.2	+ 0.1	12.6	0.0	10.7	— 0.2	69	—	72	— 1	39	— 3	64	+ 4
	Inshas .. .. .. (A)	10.5	—	10.0	—	18.7	—	13.5	—	8.4	—	8.3	—	13.2	—	10.7	—	73	—	78	—	50	—	69	—
	Fayed ... ... (A)	10.7	—	11.8	—	19.3	—	13.7	—	8.5	—	9.3	—	12.7	—	10.6	—	72	—	71	—	42	—	66	—
	Kabrit ... ... (A)	10.5	—	10.8	—	18.5	—	14.1	—	7.6	—	7.9	—	12.0	—	10.0	—	64	—	64	—	42	—	53	—
CAIRO AREA	Cairo ... ... (A)	11.1	— 0.2	11.3	+ 0.5	18.7	+ 0.3	14.0	0.0	9.1	+ 0.3	9.2	+ 1.0	12.6	+ 0.5	10.9	+ 0.6	75	+ 6	74	+ 6	45	+ 2	66	+ 6
	Mostafa Helmi ... (A)	9.6	—	9.2	—	17.8	—	13.1	—	8.1	—	7.4	—	12.3	—	10.3	—	80	—	76	—	49	—	68	—
	Almaza ... ... (A)	10.6	— 0.6	10.4	— 0.3	18.7	+ 0.4	14.0	+ 0.4	8.4	— 0.4	8.1	0.0	12.7	+ 0.5	10.7	+ 0.8	72	+ 2	71	+ 3	46	+ 2	64	+ 5
	Abbasiya ...(H.Q.) ...	11.0	—	10.6	—	19.7	—	14.6	—	9.2	—	9.0	—	13.6	—	11.5	—	77	—	80	—	47	—	67	—
	Imbaba ... ... (A)	8.5	—	8.9	—	19.1	—	12.5	—	7.0	—	7.5	—	13.2	—	10.0	—	79	—	81	—	47	—	71	—
	Giza	9.4	—	9.5	+ 0.5	19.0	+ 0.2	13.7	+ 1.6	8.1	—	8.2	+ 0.6	12.4	— 0.2	10.4	+ 0.7	83	—	83	+ 2	41	— 4	63	— 9
	Helwan	—	—	11.0	+ 0.9	18.4	+ 0.7	14.7	+ 0.8	—	—	9.1	+ 1.5	12.1	+ 0.9	11.0	+ 1.4	—	—	76	+ 8	43	+ 3	60	+ 6

TABLE A 2 (*contd.*)—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

JANUARY 1961

District	Station	Dry bulb temperature (°C)								Wet 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
UPPER EGYPT	Fayoum	10.0	—	10.6	+ 1.3	20.2	+ 0.9	13.6	+ 0.9	8.0	—	8.6	+ 1.5	13.3	+ 0.7	10.6	+ 1.0	74	—	74	+ 3	41	0	67	+ 3
	Beni Suef	9.3	—	9.1	— 0.2	20.6	+ 0.3	14.0	+ 1.5	6.7	—	7.1	+ 0.5	14.7	+ 1.6	11.2	+ 1.7	78	—	73	+ 9	49	+10	69	+ 4
	Saint Antony	—	—	11.5	+ 0.3	18.3	+ 1.3	13.9	+ 0.7	—	—	8.7	+ 1.4	12.4	+ 2.2	10.0	+ 1.5	—	—	66	+13	46	+10	58	+10
	Seds	9.2	—	9.1	+ 1.1	19.8	+ 0.2	12.7	+ 1.1	—	—	7.9	+ 1.3	14.3	+ 0.6	10.7	+ 1.1	—	—	84	+ 3	51	+ 3	77	0
	Minya ... ... (A)	8.5	+ 1.8	8.2	+ 1.2	20.5	+ 0.4	12.7	+ 0.9	6.6	+ 2.1	6.8	+ 1.6	13.4	+ 0.9	9.6	+ 1.4	74	+ 5	81	+ 8	47	+11	65	+ 7
	Mallawi	7.0	—	6.6	—	20.4	—	11.1	—	—	—	5.9	—	13.8	—	9.2	—	—	—	90	—	44	—	76	—
	Asyout (Mangabad)(A)	11.0	+ 1.0	9.8	+ 0.8	19.7	0.0	14.7	+ 0.5	7.1	+ 0.6	6.4	+ 0.5	11.9	+ 0.2	9.4	+ 0.6	53	— 3	67	— 3	34	+ 2	46	+ 3
	Shandaweel	8.9	—	9.6	— 0.4	20.9	— 0.2	12.1	— 0.1	—	—	8.0	— 0.1	14.6	+ 0.2	10.3	+ 0.1	—	—	79	+ 4	47	+ 3	79	+ 2
	Nag Hammadi	10.8	—	12.5	+ 2.3	21.6	+ 1.4	13.4	+ 0.7	—	—	9.8	+ 2.1	14.7	+ 1.8	11.0	+ 0.9	—	—	69	+ 1	43	+ 5	73	+ 3
	Kena	10.6	—	11.8	+ 1.4	22.0	+ 0.8	15.3	+ 1.2	—	—	9.0	+ 1.1	14.8	+ 1.0	11.3	+ 0.9	—	—	67	— 2	42	+ 3	59	— 1
	Luxor ... ... (A)	10.2	+ 1.3	11.4	+ 1.2	22.3	+ 1.2	15.1	+ 0.9	7.4	+ 1.7	8.6	+ 1.5	14.9	+ 1.6	10.9	+ 1.5	65	+ 7	59	+ 3	41	+ 5	56	+ 7
	Kom Ombo	12.8	—	12.7	—	24.0	—	17.8	—	8.3	—	9.3	—	14.5	—	11.0	—	50	—	61	—	29	—	37	—
	Aswan ... ... (A)	12.5	—	12.4	— 0.3	23.5	+ 0.8	17.9	+ 0.2	7.2	—	7.5	— 1.0	13.6	— 0.2	9.7	— 0.9	41	—	45	— 7	23	— 4	26	— 9
WESTERN DESERT	Siwa	9.0	+ 1.0	8.1	+ 1.5	18.2	— 0.3	12.8	+ 0.2	6.7	+ 0.8	5.9	+ 1.3	11.9	+ 0.3	9.0	+ 0.5	70	— 1	70	— 1	42	+ 4	57	+ 4
	Bahariya	10.2	—	8.5	— 0.9	20.2	+ 1.6	15.0	+ 2.7	7.6	—	6.8	0.0	13.1	+ 1.1	10.2	+ 1.6	67	—	77	+11	40	— 1	51	— 6
	Farafra	8.8	—	7.5	— 0.4	18.4	— 1.3	13.0	— 0.2	5.5	—	4.6	— 0.6	10.9	— 1.3	7.7	— 0.9	56	—	60	— 2	33	— 3	42	— 7
	Dakhla	7.8	—	7.3	— 0.6	20.5	+ 0.1	13.8	— 0.8	4.2	—	4.1	— 0.5	11.4	— 0.6	8.1	— 0.4	52	—	56	0	25	— 5	40	+ 2
	Kharga	10.1	—	11.1	+ 0.6	22.4	+ 1.3	14.4	— 0.2	6.6	—	7.6	+ 0.3	13.2	— 0.6	9.2	— 0.3	56	—	58	— 3	28	— 11	46	— 1
RED SEA	Suez	—	—	11.8	— 0.5	19.3	+ 0.6	15.4	+ 0.6	—	—	10.5	+ 0.7	13.9	+ 1.1	12.0	+ 0.9	—	—	85	+14	51	+ 5	64	+ 3
	Tor	13.4	—	13.6	+ 0.8	20.8	+ 0.9	17.5	+ 1.4	9.4	—	9.2	— 0.2	14.8	— 0.2	12.5	+ 0.7	56	—	52	— 9	49	— 7	52	— 5
	Hurghada	13.4	+ 1.4	14.9	+ 1.0	21.1	+ 1.4	17.1	+ 0.9	9.2	+ 0.6	10.1	+ 0.7	14.2	0.0	12.0	+ 0.1	54	— 7	51	— 1	42	— 9	51	— 6
	Quseir	16.0	—	17.1	0.0	21.9	+ 0.5	18.6	+ 0.1	11.0	—	11.2	— 1.0	15.2	— 0.9	13.3	— 0.8	50	—	44	— 9	45	—10	51	— 8
	Abul Kizan	—	—	22.7	+ 0.2	23.2	0.0	22.5	+ 0.7	—	—	17.9	— 0.8	18.0	— 1.0	17.7	— 0.5	—	—	60	— 8	58	— 7	60	— 9

TABLE A 3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

JANUARY 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a,b,c,d	Station Pressure (corrected to Hp)		M. S. L. Pressure		Maximum (A)		Minimum (B)		(A + B) /2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d, e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a,b,c,d	Mean	Dev. from normal	Deriv. of the mean values a,b,c,d	Mean	Dev. from normal			
MEDITERRANEAN	Sallum	a	1018.0	+ 1.6	1018.5	+ 1.7	18.0	— 1.1	10.0	+ 1.4	14.0	a	13.9	+ 0.9	a	10.6	+ 0.6	a	64	— 2
	Sidi Barrani	a	1015.3	+ 1.0	1017.9	+ 1.0	17.2	— 1.1	8.5	+ 0.4	12.8	a	12.8	— 0.1	a	10.9	+ 0.9	a	78	+11
	Mersa Matruh (A)	a	1014.9	— 0.1	1018.6	— 0.1	18.3	+ 0.4	9.3	+ 1.0	13.8	a	13.3	+ 0.5	a	10.4	+ 0.6	a	67	+ 1
	Dabaa	a	1015.9	—	1017.9	—	18.4	— 0.4	8.5	+ 1.5	13.4	a	13.0	+ 1.0	a	10.1	+ 0.7	a	67	— 3
	Dekheila (A)	a	1018.1	—	1018.7	—	18.6	+ 0.5	10.1	+ 0.9	14.4	a	14.6	—	a	11.1	—	a	62	—
	Alexandria (A)	a	1017.5	+ 0.4	1018.3	+ 0.4	19.7	+ 1.6	9.5	+ 0.3	14.6	a	14.3	+ 0.7	a	11.5	+ 0.7	a	70	+ 1
	Damietta	c	1018.1	+ 0.8	1018.5	+ 0.8	19.0	+ 0.4	9.6	+ 1.3	14.3	c	13.4	+ 1.0	c	11.9	+ 1.1	e	83	+ 1
	Port Said (A)	a	1017.1	+ 0.1	1017.8	+ 0.1	18.5	+ 0.6	12.2	+ 0.9	15.4	a	14.9	+ 0.7	a	11.6	+ 0.1	a	65	— 8
	El Arish	a	1016.3	— 0.1	1017.5	— 0.1	18.8	— 0.4	9.8	+ 1.6	14.3	a	14.0	+ 1.5	a	11.3	+ 1.1	a	70	— 3
	Ghazza	a	1015.6	—	1017.5	—	18.6	+ 0.4	9.4	+ 1.6	14.0	a	13.9	—	a	12.0	—	a	79	—
LOWER EGYPT	El Sirw	—	—	—	—	—	19.3	+ 0.1	8.0	+ 0.7	13.6	c	13.5	+ 1.3	c	12.2	+ 1.6	e	86	+ 4
	Shakha	—	—	—	—	—	20.1	+ 0.9	7.5	+ 1.4	13.8	c	12.8	+ 1.8	c	11.4	+ 1.6	e	84	— 2
	Mansoura	c	1017.7	+ 0.5	1018.5	+ 0.5	20.3	+ 0.6	8.7	+ 1.5	14.5	c	13.7	+ 1.8	c	11.6	+ 1.5	e	76	— 3
	Damanhour	c	1017.8	+ 0.5	1018.5	+ 0.5	19.9	+ 0.3	8.2	+ 0.4	14.0	c	12.6	+ 0.8	c	11.0	+ 1.0	e	82	+ 3
	Gimmeiza	c	1016.9	— 0.1	1017.9	— 0.1	20.5	+ 1.1	6.0	+ 0.5	13.2	c	12.5	+ 1.3	c	11.5	+ 1.4	e	89	+ 3
	Tanta	a	1016.3	— 0.1	1017.6	— 0.1	20.0	+ 0.2	6.9	+ 0.9	13.4	a	12.7	+ 1.1	a	10.0	0.0	a	69	—11
	Tahrir	a	1016.2	—	1018.4	—	19.9	+ 0.5	8.0	+ 0.1	14.0	a	13.3	—	a	10.1	—	a	64	—
	Shebin El Kom	c	1016.0	— 0.5	1018.1	— 0.7	20.4	+ 0.2	6.6	— 0.2	13.5	c	12.9	+ 1.0	c	11.4	+ 1.8	e	83	+10
	Zagazig	c	1016.9	+ 0.3	1018.5	+ 0.3	20.3	+ 0.2	7.8	+ 1.8	14.0	c	13.2	+ 1.8	c	11.4	+ 1.5	e	80	— 2
	Abu Sueir (A)	a	1016.5	—	1018.4	—	20.3	—	7.2	—	13.8	a	13.3	—	a	10.0	—	a	63	—
	Zaher (A)	a	1013.9	—	1017.6	—	19.6	—	7.5	—	13.6	a	13.1	—	a	10.4	—	a	69	—
	Wadi El Natrun	a	1019.1	+ 1.3	1019.2	+ 1.3	20.8	+ 0.2	7.5	+ 0.3	14.2	a	13.9	+ 1.1	a	10.0	+ 0.2	a	58	— 8
	Inshas (A)	a	1012.3	—	1015.4	—	19.7	—	7.9	—	13.8	a	14.8	—	a	11.2	—	a	62	—
	Fayed (A)	a	1016.3	—	—	—	20.2	—	8.1	—	14.2	a	14.0	—	a	10.4	—	a	61	—
	Kabrit (A)	a	1017,5	—	1018.2	—	19.5	—	8.4	—	14.0	a	13.7	—	a	9.5	—	a	54	—
CAIRO AREA	Cairo (A)	a	1009.6	+ 0.6	1018.5	+ 0.5	19.5	+ 0.2	8.8	+ 0.3	14.2	a	13.9	+ 0.2	a	10.6	+ 0.6	a	64	+ 5
	Mostafa Helmi (A)	a	998.8	—	1018.5	—	18.8	—	7.4	—	13.1	a	12.7	—	a	9.7	—	a	66	—
	Almaza (A)	a	1008.6	+ 0.1	1018.2	+ 0.1	19.5	+ 0.3	8.7	+ 0.2	14.1	a	13.6	— 0.1	a	10.2	+ 0.4	a	67	+ 5
	Abbasiya (H.Q.)	a	1016.1	—	1019.3	—	20.8	—	8.6	—	14.7	a	14.2	—	a	11.0	—	a	65	—
	Imbaba (A)	a	1016.3	—	1018.4	—	19.9	—	5.9	—	12.9	a	12.5	—	a	9.5	—	a	65	—
	Giza	a	1015.5	0.0	1018.3	0.0	20.1	+ 0.5	6.8	+ 1.1	13.4	a	13.1	+ 1.7	a	9.9	+ 0.5	a	64	—12
	Helwan	d	1004.7	+ 0.3	1018.4	0.0	19.1	+ 0.4	9.8	+ 1.5	14.4	c	13.5	+ 0.8	c	10.6	+ 1.4	e	68	+ 8

a=the 24 hours mean b=8 synoptic hours mean c=4 main synoptic hours mean d=06,12 and 18 U.T. hours mean e=06 and 18 U.T. hours mean

TABLE A 3 (*contd.*)—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

JANUARY 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a,b,c,d	Station Pressure (corrected to Hp)		M. S. L. Pressure		Maximum (A)		Minimum (B)		(A + B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a,b,c,d	Mean	Dev. from normal	Deriv. of the mean values a,b,c,d	Mean	Dev. from normal			
UPPER EGYPT	Fayoum	a	1015.6	+0.8	1018.6	+0.8	21.5	+0.9	7.4	+1.2	14.4	a	13.7	+1.8	a	10.3	+1.1	a	62	— 6
	Beni Suef	a	1014.4	—0.1	1018.0	—0.1	20.8	—0.1	7.0	+2.3	13.9	a	13.4	+1.6	a	10.4	+1.7	a	66	+ 2
	Seds	—	—	—	—	—	21.5	+0.2	5.3	+1.3	13.4	c	12.7	+1.9	c	10.1	+1.0	e	80	+ 1
	Minya (A)	a	1013.3	—0.6	1018.3	—0.6	21.0	+0.4	5.6	+1.7	13.3	a	12.7	+0.9	a	9.3	+1.2	a	61	+ 4
	Mallawi	—	—	—	—	—	21.8	—	4.2	—	13.0	c	11.3	—	c	9.9	—	e	83	—
	Asyout (Mangabad) (A)	a	1009.7	—0.6	1018.0	—0.7	20.6	—0.2	8.1	+1.7	14.4	a	14.1	+0.7	a	8.9	+0.4	a	46	— 1
	Shandaweel	—	—	—	—	—	22.4	—0.1	6.2	+1.1	14.3	c	12.9	—0.3	c	11.0	—0.1	e	79	+ 3
	Nag Hammadi	c	1009.2	—0.6	1017.6	—0.6	22.6	+1.1	6.7	+1.5	14.6	c	14.6	+2.5	c	11.9	+2.4	e	71	+ 2
	Kena	c	1008.4	—0.4	1017.4	—0.2	23.5	+1.0	8.4	+1.6	16.0	c	14.9	+0.3	c	11.4	+0.1	e	63	— 1
	Luxor (A)	a	1006.4	—0.5	1016.8	—0.6	23.6	+0.6	5.9	+0.4	14.8	a	15.0	+0.9	a	10.6	+1.0	a	54	+ 2
	Kom Ombo	a	1004.4	—	1016.6	—	25.9	—	8.8	—	17.4	a	16.9	—	a	10.7	—	a	41	—
	Aswan (A)	a	993.0	—1.3	1015.9	—1.4	24.6	+0.8	9.6	+0.3	17.1	a	16.7	+1.1	a	9.5	—0.5	a	32	—12
RED SEA WESTERN DESERT	Siwa	a	1020.9	—0.2	1019.1	—0.1	18.9	—0.5	6.0	+1.0	12.4	a	12.3	+1.0	a	8.6	+1.3	a	58	+ 5
	Bahariya	a	1003.1	—0.9	1018.5	—1.0	20.8	+0.9	7.0	+2.3	13.9	a	13.9	+2.7	a	9.8	+1.7	a	56	— 6
	Farafra	a	1010.0	+0.9	1020.7	+1.1	19.2	—1.2	5.5	+1.5	12.4	a	12.4	+1.2	a	7.5	+0.5	a	45	— 5
	Dakhla	a	1003.8	—0.3	1017.2	—0.3	21.3	—0.3	4.7	0.0	13.0	a	12.8	+0.7	a	7.2	—0.4	a	38	—10
	Kharga	a	1008.7	—1.6	1017.2	—1.6	23.4	+1.2	7.1	+1.3	15.2	a	14.7	+1.7	a	9.2	+0.3	a	44	—10
	Suez	c	1016.9	0.0	1018.1	0.0	20.6	+0.4	9.0	0.0	14.8	c	13.9	+0.2	c	11.6	—1.4	e	74	+ 8
	Tor	a	1016.2	—0.4	1016.6	—0.4	22.1	+1.3	10.2	+1.3	16.2	a	16.5	+2.5	a	11.6	+1.1	a	52	— 6
	Hurghada	a	1016.5	+0.1	1016.7	+0.1	22.0	+1.6	11.0	+1.3	16.5	a	16.6	+0.9	a	11.3	+0.2	a	49	— 5
	Quseir	a	1014.6	—1.3	1015.6	—1.3	22.4	—0.3	14.5	+1.7	18.4	a	18.5	+0.8	a	12.9	—0.1	a	49	— 7
	Abul Kizin	c	1015.1	—	1015.6	—	24.6	+0.1	21.0	+0.8	22.8	c	22.4	+0.5	e	17.6	—0.6	e	60	— 8

a=the 24 hours mean. b=8 synoptic hours mean. c=4 main synoptic hours mean. d=06·12 & 18 U.T. hours mean. e=06 & 18 U.T. hours mean.

TABLE A 4.—MAXIMUM AND MINIMUM AIR TEMPERATURES

JANUARY 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
MEDITERRANEAN	Sallum	22.1	16	13.7	20	0	0	0	0	0	14.0	15	6.4	21	15	0	0	0
	Sidi Barrani	21.0	16	12.5	19	0	0	0	0	0	11.0	18	4.6	23	25	2	0	0
	Mersa Matruh (A)	22.8	16	13.8	21	0	0	0	0	0	12.0	2	4.7	23	21	1	0	0
	Dabaa	21.8	16	12.3	21	0	0	0	0	0	12.6	14	3.6	23	23	4	0	0
	Dekheila (A)	21.0	6	14.2	20·21	0	0	0	0	0	14.2	29	4.6	23	12	1	0	0
	Alexandria (A)	23.0	27	15.1	20	0	0	0	0	0	13.0	29	4.6	23	19	1	0	0
	Damietta	19.7	6	11.0	21	0	0	0	0	0	12.2	13	4.9	1	19	1	0	0
	Port Said (A)	21.2	3	12.7	21	0	0	0	0	0	15.1	13	8.0	21	4	0	0	0
	El Arish	22.3	4	12.2	21	0	0	0	0	0	13.2	30	5.5	23·24	16	0	0	0
	Ghazza	22.5	25	13.5	21	0	0	0	0	0	13.3	17	5.0	23	18	0	0	0
LOWER EGYPT	El Sirw	24.0	26	13.0	21	0	0	0	0	0	12.5	29	4.5	21·23	26	3	0	0
	Sakha	23.0	5	13.3	21	0	0	0	0	0	12.2	29	2.8	22	29	5	0	0
	Mansoura	23.0	18	14.0	20	0	0	0	0	0	12.5	29	4.2	1	19	1	0	0
	Damanhour	22.9	7	14.6	20·21	0	0	0	0	0	10.7	2	4.6	23	27	3	0	0
	Gimmeiza	23.0	27	15.0	20	0	0	0	0	0	10.5	2	2.0	22·23·24	29	7	0	0
	Tanta	23.2	27	14.0	20	0	0	0	0	0	11.5	29	1.9	22	29	6	0	0
	Tahrir	23.0	3	14.2	20	0	0	0	0	0	12.2	29	4.1	22	26	3	0	0
	Shebin El Kom	22.9	8	12.6	20	0	0	0	0	0	11.1	29	1.9	22	30	5	0	0
	Zagazig	22.4	7·25	13.9	20	0	0	0	0	0	11.8	29	4.4	22	27	3	0	0
	Abu Sueir (A)	25.5	25	13.9	20	1	0	0	0	0	13.0	17	1.8	24	28	4	0	0
	Zaher (A)	23.1	25	13.1	20	0	0	0	0	0	12.0	17	2.1	24	27	3	0	0
	Wadi El Natrun	24.4	16	14.8	20	0	0	0	0	0	12.5	29	2.0	23	29	3	0	0
	Inshas (A)	22.3	25	12.1	20	0	0	0	0	0	12.0	29	2.5	24	27	4	0	0
	Fayed (A)	27.5	25	14.6	21	1	0	0	0	0	12.3	29	2.2	24	23	4	0	0
	Kabrit (A)	24.0	25	14.2	20	0	0	0	0	0	12.7	30	4.2	22	23	2	0	0
CAIRO AREA	Cairo (A)	24.3	16	12.5	20	0	0	0	0	0	13.0	17	4.9	22	22	1	0	0
	Mostafa Helmi (A)	22.5	16	13.0	20	0	0	0	0	0	12.5	17	2.5	21	29	3	0	0
	Almaza (A)	24.5	16	12.7	20	0	0	0	0	0	13.9	17	5.1	23	26	0	0	0
	Abbasiya (H. Q.)	25.6	16	13.5	20	1	0	0	0	0	12.7	17	3.5	23	24	1	0	0
	Imbaba (A)	23.5	16	13.8	20	0	0	0	0	0	11.2	29	0.8	24	29	10	0	0
	Giza	25.0	16	13.4	20	0	0	0	0	0	11.7	29·30	2.6	24	28	6	0	0
	Heiwan	22.6	16	11.9	20	0	0	0	0	0	14.3	29	5.4	20	17	0	0	0

TABLE A 4 (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES

JANUARY 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
Upper Egypt	Fayoum	25.6	16	15.3	20	1	0	0	0	0	13.4	17	2.7	23	28	5	0	0
	Beni Suef	23.7	16	13.1	20	0	0	0	0	0	12.2	29	2.4	23·24	29	6	0	0
	Seds	24.7	25	15.0	20	0	0	0	0	0	11.7	29	0.0	23·24	29	16	0	0
	Minya (A)	25.0	25	16.5	21	0	0	0	0	0	13.3	29	—0.3	24	27	15	1	0
	Mallawi	26.5	25	16.8	21	1	0	0	0	0	10.8	29	—0.5	24	29	20	1	0
	Asyout (Mangabad) (A)	25.8	16	15.7	21	1	0	0	0	0	12.1	29	2.9	23	25	2	0	0
	Shandaweel	26.0	17	17.5	21	2	0	0	0	0	11.5	28	1.5	24	29	7	0	0
	Nag Hammadi	25.5	18	18.4	21	1	0	0	0	0	11.0	28	3.6	1	27	7	0	0
	Kena	28.2	16	20.6	23	6	0	0	0	0	12.0	28	3.9	23	25	1	0	0
	Luxor (A)	28.6	17	19.1	21	8	0	0	0	0	11.5	28	2.1	23	28	12	0	0
	Kom Ombo	30.9	16	20.9	21	20	4	0	0	0	14.0	30	4.5	11	18	3	0	0
	Aswan (A)	33.0	18	19.5	22	12	4	0	0	0	14.7	30	5.7	10	18	0	0	0
Western Desert	Siwa	22·3	27	14.0	29	0	0	0	0	0	11.2	29	1.0	23·24	30	12	0	0
	Bahariya	28.7	16	16.0	20·21	1	0	0	0	0	14.9	17	—0.5	24	26	9	1	0
	Farafra	25.2	16	13.5	21	1	0	0	0	0	12.2	17	—1.5	24	27	13	1	0
	Dakhla	27.5	15	17.3	22	3	0	0	0	0	12.5	28	—1.4	23	29	17	4	0
	Kharga	30.0	16	18.3	21	6	0	0	0	0	14.7	28	2.9	24	26	10	0	0
Red Sea	Suez	24.2	25	15.4	22	0	0	0	0	0	15.2	17	4.8	22·23	21	2	0	0
	Tor	26.1	17	17.8	21	3	0	0	0	0	14.7	29	6.1	24	17	0	0	0
	Hurghada	26.3	17	17.8	22	1	0	0	0	0	14.5	19	8.1	23·24	11	0	0	0
	Quseir	26.8	9	19.0	22	1	0	0	0	0	17.4	28	10.8	23	0	0	0	0
	Abul Kizan	28.6	19	21.9	22	9	0	0	0	0	22.5	7	19.0	2	0	0	0	0

TABLE A 5.—RAINFALL AND SNOW DEPTH

JANUARY 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	<0.1	≥0.1	≥1.0	≥5.0	≥10	≥25	50		
MEDITERRANEAN	Sallum	40.0	+19.8	18.8	19	1	6	5	2	2	0	0	0.0	—
	Sidi Barrani	125.2	+94.7	34.7	29	0	13	11	8	4	2	0	0.0	—
	Mersa Matruh... ... ... (A)	51.0	+14.3	12.4	29	1	12	7	4	3	0	0	0.0	—
	Dabaa	41.6	+11.6	19.6	31	0	8	6	3	1	0	0	0.0	—
	Dekheila ... ... (A)	57.4	+22.8	27.2	1	0	11	8	2	2	1	0	0.0	—
	Alexandria ... ... (A)	38.7	— 8.3	15.9	1	1	11	7	3	1	0	0	0.0	—
	Damietta	17.0	— 5.5	4.6	20	0	10	6	0	0	0	0	0.0	—
	Port Said ... ... (A)	14.8	+ 4.3	6.0	2	2	7	4	1	0	0	0	0.0	—
	El Arish	44.7	+27.5	26.7	19	2	7	6	2	1	1	0	0.0	—
	Ghazza	92.3	+ 1.3	33.4	20	3	11	9	4	3	1	0	0.0	—
	Ras El Hikma	65.8	—	21.2	21	0	8	8	5	2	0	0	0.0	—
	Fuka	26.5	+ 8.5	4.5	22	0	12	12	0	0	0	0	0.0	—
	Hammam	63.0	+35.0	26.0	31	0	7	7	4	3	1	0	0.0	—
	Borg El Arab	34.0	— 7.0	14.5	20	0	5	5	3	2	0	0	0.0	—
	Mex...	81.5	+38.5	29.8	31	2	10	10	4	3	1	0	—	—
	Tolombat El Talia	17.0	—35.0	12.0	24	0	4	3	1	1	0	0	0.0	—
	Kom El Tarfaia	36.2	—12.8	12.0	19	0	4	4	4	2	0	0	0.0	—
	Rosetta L.H.	57.4	+11.4	12.8	31	5	9	9	4	2	0	0	0.0	—
	Borollos L.H.	39.7	— 7.3	11.5	11	0	8	7	3	1	0	0	0.0	—
	Damietta L.H.	47.2	+16.2	15.5	20	5	8	8	3	1	0	0	0.0	—
LOWER EGYPT	El Sirw	9.5	— 5.5	7.0	20	0	2	2	1	0		0	0.0	—
	Sakha	8.5	— 8.1	4.5	31	1	4	3	0	0	0	0	0.0	—
	Mansoura	13.2	+ 5.4	9.0	31	1	3	3	1	0	0	0	0.0	—
	Damanhour	30.5	+15.3	15.6	1	2	9	5	2	1	0	0	0.0	—
	Gimmeiza	8.0	+ 1.9	4.0	31	1	4	4	0	0	0	0	0.0	—
	Tanta	8.3	+ 0.5	2.4	20	0	7	3	0	0	0	0	0.0	—
	Tahrir	6.2	— 1.5	2.5	29	4	4	3	0	0	0	0	0.0	—
	Shebin El Kom	—	—	—	—	—	—	—	—	—	—	—	—	—
	Zagazig	26.6	+22.0	13.9	31	1	3	2	2	2	0	0	0.0	—
	Abu Sueir ... ... (A)	2.3	—	1.2	2	2	4	1	0	0	0	0	0.0	—
	Banha	3.2	0.0	2.1	29	4	2	2	0	0	0	0	0.0	—
	Zaher ... ... (A)	2.9	—	1.1	19	1	5	1	0	0	0	0	0.0	—
	Wadi El Natrun	11.2	+ 9.1	3.8	31	2	6	5	0	0	0	0	0.0	—
	Enshas	2.4	—	1.4	29	0	4	1	0	0	0	0	0.0	—
	Fayed ... ... (A)	1.7	—	0.6	19	3	4	0	0	0	0	0	0.0	—
	Kabrit ... ... (A)	3.7	—	2.1	19	1	4	1	0	0	0	0	0.0	—
	Delta Barrage	3.5	+ 2.5	2.0	20	1	2	2	0	0	0	0	0.0	—
	Tolombat El Bo eili	37.4	— 5.6	15.0	20	0	7	6	3	1	0	0	0.0	—
	Kafr El Dawar	58.4	+14.4	28.0	1	0	6	6	5	1	1	0	0.0	—
	Kafr El Sheikh	13.0	— 4.0	7.0	31	0	6	5	1	0	0	0	0.0	—
	Kafr El Zayat	0.7	—11.3	0.4	29	5	2	0	0	0	0	0	0.0	—
	Faqus	6.1	— 5.9	4.7	2	1	3	1	0	0	0	0	0.0	—
CAIRO AREA	Cairo ... ... (A)	3.2	+ 0.7	1.7	19	2	3	1	0	0	0	0	0.0	—
	Mostafa Helmi ... ... (A)	3.2	—	1.3	20	0	6	1	0	0	0	0	0.0	—
	Almaza ... ... (A)	5.3	+ 2.2	3.1	2	0	4	2	0	0	0	0	0.0	—
	Abbasiya (H.Q.) ...	1.4	—	0.7	19	2	3	0	0	0	0	0	0.0	—
	Imbaba ... ... (A)	1.4	—	0.8	19	2	3	0	0	0	0	0	0.0	—
	Giza	2.2	— 1.2	1.1	20	2	4	1	0	0	0	0	0.0	—
	Helwan	5.1	+ 1.4	2.5	20	1	3	3	0	0	0	0	0.0	—

TABLE A 5 (*contd.*)—RAINFALL AND SNOW DEPTH

JANUARY 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	<0.1	≥0.1	≥1.0	≥5.0	≥10	≥25	≥50		
UPPER EGYPT	Fayoum	0.4	— 0.6	0.4	20	2	1	0	0	0	0	0	0.0	—
	Beni Suef	1.8	+ 1.3	1.8	20	3	1	1	0	0	0	0	0.0	—
	Seds	2.0	+ 0.4	2.0	20	0	1	1	0	0	0	0	0.0	—
	Minya ... ... (A)	0.2	— 0.4	0.2	18	2	1	0	0	0	0	0	0.0	—
	Mallawi	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Asyout (Mangabad) ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Shandaweel	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Nag Hammadi	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kena	0.0	— 0.2	0.0	—	0	0	0	0	0	0	0	0.0	—
	Luxor ... ... (A)	0.0	— 0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kom Ombo	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Aswan ... ... (A)	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
WESTERN DESERT	Siwa	6.8	+ 5.9	3.6	29	1	4	2	0	0	0	0	0.0	—
	Bahariya	tr.	+ tr.	tr.	20	1	0	0	0	0	0	0	0.0	—
	Farafra	tr.	+ tr.	tr.	28	1	0	0	0	0	0	0	0.0	—
	Dakhla	tr.	+ tr	tr.	29	1	0	0	0	0	0	0	0.0	—
	Kharga	tr.	+ tr.	tr.	29	1	0	0	0	0	0	0	0.0	—
RED SEA	Suez...	12.0	+ 9.7	8.0	19	1	3	3	1	0	0	0	0.0	—
	Tor	tr.	— 2.0	tr.	2	1	0	0	0	0	0	0	0.0	—
	Hurghada	tr.	— 0.1	tr.	29	1	0	0	0	0	0	0	0.0	—
	Quseir	tr.	— 0.0	tr.	28	1	0	0	0	0	0	0	0.0	—
	Abul Kizan	0.0	— 1.1	0.0	—	0	0	0	0	0	0	0	0.0	—

TABLE A 6.—BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT & BLACK BULB TEMPERATURES AND GRASS MINIMUM JANUARY 1961

District	Station	Duration of bright sunshine (hours)			Mean sky cover (oktas)								Mean daily evaporation Piche (millimetres)	Mean maximum temp. °(C) of		Mean grass minimum (°C)
		Total actual	Total possible	Percentage %	0000 U.T.		0600 U.T.		1200 U.T.		1800 U.T.			Black bulb thermometer	Bright bulb thermometer	
					Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal				
Mediterranean	Sallum	—	—	—	3.2	—	4.9	—	4.4	—	4.0	—	5.1	57	32	9.4
	Sidi Barrani	—	—	—	—	—	4.8	—	5.1	—	3.5	—	4.0	—	—	—
	Mersa Matruh ... (A)	186.9	321.1	58.2	2.9	—	5.5	—	5.5	—	4.1	—	6.0	—	—	—
	Dabaa	—	—	—	—	—	5.1	—	5.2	—	4.1	—	3.6	—	—	—
	Dekheila ... ... (A)	—	—	—	3.1	—	5.4	—	4.8	—	3.5	—	5.1	—	—	—
	Alexandria ... ... (A)	196.0	322.3	60.8	3.7	—	5.6	—	5.7	—	3.7	—	3.2	—	—	—
	Damietta	—	—	—	—	—	4.2	—	4.5	—	1.8	—	2.4	—	—	—
	Port Said ... ... (A)	204.9	322.3	63.6	1.5	—	3.4	—	3.9	—	1.8	—	3.7	—	—	—
	El Arish	—	—	—	3.5	—	4.1	—	4.3	—	3.4	—	3.8	—	—	—
	Ghazza	195.8	321.1	61.0	3.2	—	3.7	—	4.4	—	2.8	—	4.5	—	—	—
Lower Egypt	El Sirw	—	—	—	—	—	3.5	—	3.9	—	1.5	—	2.1	—	—	—
	Sakha	—	—	—	—	—	2.4	—	3.0	—	0.6	—	2.4	—	—	6.2
	Mansoura	—	—	—	—	—	3.4	—	4.4	—	1.2	—	2.3	—	—	—
	Damanhour	—	—	—	—	—	3.4	—	4.2	—	2.5	—	1.5	—	—	—
	Gimmeiza	199.0	323.4	61.5	—	—	2.4	—	4.6	—	1.0	—	2.9	—	—	—
	Tanta	234.8	323.4	72.6	—	—	2.9	—	4.4	—	1.3	—	2.4	52	31	—
	Tahrir	239.4	323.4	74.0	—	—	3.5	—	4.8	—	1.9	—	4.5	—	—	6.4
	Shebin El Kom	—	—	—	—	—	1.5	—	3.5	—	0.0	—	1.6	—	—	—
	Zagazig	192.2	323.4	59.4	—	—	3.2	—	5.8	—	1.2	—	1.9	—	—	—
	Abu Sueir ... ... (A)	—	—	—	2.1	—	3.9	—	4.8	—	2.5	—	5.6	58	33	3.4
	Zaher ... ... (A)	—	—	—	—	—	2.9	—	4.2	—	1.6	—	4.9	—	—	4.9
	Wadi El Natrun	—	—	—	—	—	3.5	—	4.7	—	2.1	—	3.9	—	—	—
	Inshas	—	—	—	—	—	2.6	—	4.5	—	1.9	—	5.1	—	—	—
	Fayed ... ... (A)	—	—	—	—	—	2.8	—	4.3	—	1.8	—	6.0	—	—	—
	Kabrit ... ... (A)	—	—	—	—	—	2.6	—	4.1	—	1.8	—	5.3	—	—	—
Cairo Area	Cairo ... ... (A)	—	—	—	1.7	—	3.1	—	5.0	—	2.5	—	4.7	—	—	—
	Mostafa Helmi ... (A)	—	—	—	1.9	—	3.5	—	4.9	—	1.9	—	5.8	—	—	—
	Almaza ... ... (A)	220.3	324.4	67.9	1.5	—	3.3	—	4.9	—	2.3	—	5.0	—	—	—
	Abbasiya ... (H.Q.)	221.2	324.4	68.2	1.2	—	3.0	—	4.7	—	2.7	—	3.1	57	33	—
	Imbaba ... ... (A)	—	—	—	—	—	2.5	—	4.4	—	—	—	3.5	—	—	—
	Giza	220.7	324.4	68.0	—	—	3.5	—	4.5	—	2.0	—	3.4	—	—	1.2
	Helwan	(214.9)	(303.7)	70.8	—	—	3.2	—	4.5	—	2.7	—	5.2	—	—	—
Upper Egypt	Fayoum	—	—	—	—	—	2.4	—	3.8	—	2.2	—	3.3	—	—	—
	Beni Suef	—	—	—	—	—	2.5	—	3.3	—	2.0	—	2.3	—	—	4.8
	Seds	—	—	—	—	—	1.5	—	2.7	—	1.4	—	2.3	—	—	0.7
	Minya ... ... (A)	—	—	—	1.4	—	2.0	—	3.4	—	2.0	—	4.7	55	32	1.9
	Mallawi	—	—	—	—	—	2.4	—	2.7	—	3.1	—	1.5	—	—	2.1
	Asyout (Mangabad) (A)	—	—	—	1.9	—	2.6	—	3.0	—	2.8	—	6.4	60	33	6.2
	Shandaweel	240.2	322.3	74.5	—	—	2.4	—	1.9	—	0.8	—	2.4	—	—	0.9
	Nag Hammadi	—	—	—	—	—	1.6	—	2.1	—	1.2	—	3.1	—	—	6.3
	Kena	—	—	—	—	—	2.5	—	2.7	—	2.5	—	3.1	—	—	7.4
	Luxor ... ... (A)	—	—	—	1.8	—	2.5	—	3.1	—	2.3	—	3.9	55	34	2.9
	Kom Ombo	—	—	—	—	—	2.6	—	3.5	—	2.6	—	6.6	—	—	6.3
	Aswan ... ... (A)	—	—	—	2.2	—	3.2	—	3.8	—	3.2	—	11.3	—	—	—
Western Desert	Siwa	—	—	—	2.5	—	2.9	—	3.8	—	2.8	—	4.9	60	32	4.0
	Bahariya	—	—	—	1.2	—	2.6	—	3.9	—	2.9	—	4.2	—	—	—
	Farafra	—	—	—	1.4	—	2.4	—	4.2	—	1.9	—	6.9	—	—	—
	Dakhla	—	—	—	2.1	—	3.0	—	3.5	—	2.6	—	7.0	53	35	1.7
	Kharga	—	—	—	1.4	—	2.5	—	2.9	—	2.0	—	5.8	—	—	3.1
Red Sea	Suez...	—	—	—	—	—	2.6	—	3.6	—	1.7	—	4.8	—	—	—
	Tor	—	—	—	2.4	—	2.9	—	2.8	—	2.4	—	6.6	—	—	—
	Hurghada	—	—	—	2.6	—	3.8	—	3.0	—	3.3	—	13.7	—	—	—
	Quseir	—	—	—	2.9	—	4.1	—	4.0	—	3.3	—	12.8	—	—	—
	Abul Kizan	—	—	—	—	—	4.1	—	4.3	—	3.3	—	5.9	—	—	—

Note : Actual number of sunshine records at Helwan was 89 days only.

TABLE A 7.—SOIL TEMPERATURES (°C) AT FIXED HOURS

JANUARY 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
MEDITERRANEAN	Mersa Matruh (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	15.8	17.0	19	14.0	27	15.7	17.2	5	14.0	24	15.7	17.1	17	13.8	2.4	15.8	16.8	16	14.2	24
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	17.5	18.8	1	15.8	26	17.4	18.7	1	15.7	26	17.4	18.7	2	15.7	26	17.4	18.3	1	15.7	26
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LOWER EGYPT	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	18.5	19.5	*	17.0	*	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	19.0	20.0	*	17.5	*	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza ...	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	18.1	19.0	*	14.0	21·22	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	19.3	21.0	10	18.0	*	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	11.4	13.0	13·29	7.2	23	15.0	16.8	29	12.0	23	14.4	16.5	7	11.3	22
		10	—	—	—	—	—	14.2	15.6	13	11.0	23	15.6	17.0	13	13.0	23	16.2	17.8	7	13.8	22
		20	—	—	—	—	—	15.0	16.0	9	12.9	23	15.1	16.1	8	13.2	24	15.6	16.6	7·8	13.6	22
		50	—	—	—	—	—	17.9	18.8	1	16.3	26	17.8	18.8	1	16.3	25·27	17.7	18.7	1	16.3	25
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS

JANUARY 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
LOWER EGYPT (*contd.*)	Tahrir	5	—	—	—	—	—	9.7	12.8	29	5.2	22	22.1	25.2	18	14.6	20	14.8	17.7	29	9.4	20
		10	—	—	—	—	—	11.2	13.7	13	7.0	23	18.8	21.1	31	16.2	22	16.3	18·4	29	12.0	20
		20	—	—	—	—	—	14.1	15.5	19	11.0	23	15.4	16.7	30	13.0	23·24	16.9	18.2	18	14.8	22
		50	—	—	—	—	—	16.6	17.6	1	14.9	24	16.4	17.4	1	14.6	23,24,25	16.5	17.2	*	14.8	23,24,25
		100	—	—	—	—	—	18.7	20.3	1	17.4	28	—	—	—	—	—	18.7	20.1	1	17.4	24
		200	—	—	—	—	—	21.8	23.0	1	20.6	31	—	—	—	—	—	21.7	22.9	1	20.6	31
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	18.2	19.5	2	17.0	29·30	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	20.1	21.5	2	18.0	30	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	22.6	23.5	*	21.0	29,30,31	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CAIRO AREA	Giza...	5	—	—	—	—	—	11.0	14.5	30	7.1	23	21.7	24.9	30	16.1	20	16.6	19.3	30	13.4	20
		10	—	—	—	—	—	13.6	16.2	30	11.1	23	17.9	20.3	30	12.0	1	17.9	20.0	30	16.4	1
		20	—	—	—	—	—	17.1	18.2	31	15.3	23	17.2	18.2	30	15.5	23·24	18.0	18.9	17	16.6	22
		50	—	—	—	—	—	19.3	20.7	1	18.0	25·26	19.2	20.6	1	18.0	25·26	19.1	20.5	1	17.9	25
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
UPPER EGYPT	Sods	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	19.1	21.0	3·4	17.3	31	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A) ...	5	14.1	17.1	18	12.0	15	12.1	16.0	17	9.6	24	18.9	21.0	17	16.5	23	16.9	19.0	17·18	13.7	24
		10	16.1	18.2	19	14.2	7	14.5	17.5	17	12.2	24	17.2	18.9	18	15.2	23	17.6	18.5	16	15.6	24
		20	17.8	19.4	1	16.2	25	17.0	18.5	18	15.8	24	17.5	19.0	4·17	16.0	23	17.9	18.9	19	16.5	23
		50	19.3	20.9	1	18.5	27	19.2	20.0	2	18.5	25·26	19.2	20.0	18	18.5	23,27,30	19.2	19.9	18	18.5	27,29
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* — More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS

JANUARY 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
UPPER EGYPT (*contd.*)	Mallawi	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	15.6	17.4	1	14.8	*	15.6	17.4	1	14.8	*	15.5	17.4	1	14.8	*
		100	—	—	—	—	—	17.4	18.9	1	16.5	*	17.4	18.9	1	16.5	*	17.4	18.9	1	16.5	*
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	18.7	20.2	1	17.5	25	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	20.6	22.1	1	20.0	*	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kome Ombo	5	—	—	—	—	—	13.4	17.9	30	9.2	2	32.2	39.3	18	19.5	22	18.3	22.8	29	15.5	2
		10	—	—	—	—	—	16.2	18.5	29,30	14.0	10,11	24.9	29.0	30.31	22.0	22	21.4	24.5	30	19.0	10
		20	—	—	—	—	—	18.7	20.7	20	16.5	10	21.8	29.0	9	20.0	23,24	21.3	23.0	19	20.0	1
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* = More than three days.

TABLE A 8.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

JANUARY 1961

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres.	Dust rising/Sand rising vis. ≥ 1000 metres	Duststorm/Sandstorm vis. < 1000 metres.	Drifting snow: Slight/moderate vis. below eye level ≥ 1000 metres.	Drifting snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing snow: Slight moderate vis. below eye level ≥ 1000 metres	Blowing snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear sky	Cloudy sky
MEDITERRANEAN	Sallum	6	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	6	5
	Sidi Barrani	13	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	—	—
	Mersa Matruh ... ... (A)	12	0	0	0	0	2	0	0	0	0	2	1	0	0	0	0	0	2	6
	Dabaa	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Dekheila ... ... (A)	11	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	4	4
	Alexandria ... ... (A	11	0	0	0	0	1	1	4	0	0	2	0	0	0	0	0	0	2	4
	Damietta	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Port Said ... ... (A)	7	0	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0	11	2
	El Arish	7	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	5
	Ghazza	11	0	0	1	0	4	1	0	1	0	1	0	0	0	0	0	0	10	6
LOWER EGYPT	El Sirw	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Damanhour	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	7	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	—	—
	Tahrir	4	0	0	0	0	0	4	0	0	0	2	1	0	0	0	0	0	—	—
	Shebin El Kom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Zagazig	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir ... ... (A)	4	0	0	0	0	1	11	6	2	0	2	1	0	0	0	0	1	7	3
	Zaher ... ... (A)	5	0	0	0	0	0	8	2	3	0	3	1	0	0	0	0	0	—	—
	Wadi El Natrun	6	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	—	—
	Inshas	4	0	0	0	0	1	4	3	8	0	3	1	0	0	0	0	1	—	—
	Fayed ... ... (A)	4	0	0	0	0	1	0	1	2	0	2	1	0	0	0	0	1	—	—
	Kabrit ... ... (A)	4	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	1	—	—
CAIRO AREA	Cairo ... ... (A)	3	0	0	0	0	1	7	3	16	0	5	1	0	0	0	0	0	8	3
	Mostafa Helmi ... ... (A)	6	0	0	0	0	0	15	5	17	0	5	1	0	0	0	0	0	8	2
	Almaza ... ... (A)	4	0	0	0	0	1	1	4	13	0	2	1	0	0	0	0	0	10	1
	Abbasiya (H.Q.)...	3	0	0	0	0	1	6	2	6	0	1	0	0	0	0	0	0	10	1
	Imbaba ... ... (A)	3	0	0	0	0	0	5	4	4	0	1	0	0	0	0	—	—	—	—
	Giza	4	0	0	0	0	1	7	6	3	0	1	0	0	0	0	—	—	—	—
	Helwan	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 8 *(contd.)*—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

JANUARY 1961

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres.	Dust rising Sand rising vis. ≥ 1000 metres	Duststorm/Sandstorm vis. < 1000 metres.	Drifting snow: Slight moderate vis. below eye level ≥ 1000 metres.	Drifting snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing snow: Slight moderate vis. below eye level ≥ 1000 metres	Blowing snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear sky	Cloudy sky
UPPER EGYPT	Fayoum	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Beni Suef	1	0	0	0	0	0	7	2	1	0	1	0	0	0	0	0	0	—	—
	Seds	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya ... ... (A)	1	0	0	0	0	0	3	0	7	0	1	0	0	0	0	0	0	17	1
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad) ... ... (A)	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	14	2
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor ... ... (A)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	16	1
	Kom Ombo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Aswan ... ... (A)	0	0	0	0		0	0	0	0	0	1	0	0	0	0	0	0	13	2
WESTERN DESERT	Siwa	4	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	12	3
	Bahariya	0	0	0	0	0	0	1	0	2	0	3	0	0	0	0	0	0	12	2
	Farafra	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	3
	Kharga	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	16	3
RED SEA	Suez...	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	12	1
	Hurghada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	2
	Quseir	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	7	4
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

JANUARY 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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	5	2	16	1-10	6	12	18	11	20	66	119	73	36	23	32	15	431
					11-27	3	12	2	4	12	14	18	63	32	46	59	25	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	9	24	20	15	32	80	137	136	68	69	91	40	721
	Mersa Matruh ... (A)	5	5	0	1-10	26	21	25	21	17	22	22	70	68	51	17	42	402
					11-27	11	7	1	3	14	13	4	30	98	71	36	40	328
					28-47	0	0	0	0	0	0	3	0	1	0	0	0	4
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	37	28	26	24	31	35	29	100	167	122	53	82	734
	Dekheila ... ... (A)	2	0	0	1-10	55	62	35	35	29	33	23	61	39	30	23	49	474
					11-27	30	11	2	8	14	7	6	21	28	44	58	39	268
					28-47	0	0	0	0	0	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	73	37	43	43	40	29	82	67	74	81	88	742
	Alexandria ... ... (A)	6	7	0	1-10	34	60	39	41	35	21	31	64	12	31	40	50	458
					11-27	17	8	7	12	3	0	6	46	45	53	43	33	273
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	51	68	46	53	38	21	37	110	57	84	83	83	731
	Port Said ... ... (A)	10	2	0	1-10	54	88	67	15	14	19	10	19	52	69	47	26	480
					11-27	22	2	3	30	17	2	1	9	59	62	28	16	251
					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	77	90	70	45	31	21	11	28	111	131	75	42	732
	El Arish	103	10	268	1-10	3	29	8	2	13	37	30	45	83	36	31	9	326
					11-27	0	0	0	0	0	0	0	2	11	20	2	2	37
					28-47	0	0	0	0	0	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	29	8	2	13	37	30	47	94	56	33	11	363
LOWER EGYPT	Tanta	68	2	43	1-10	37	51	36	19	11	4	41	109	101	68	65	66	608
					11-27	0	0	3	0	0	3	1	6	8	1	1	0	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	37	51	39	19	11	7	42	115	109	69	66	66	631
	Zaher ... ... (A)	49	10	0	1-10	51	52	24	25	25	26	30	79	138	60	30	32	572
					11-27	2	5	13	6	1	4	1	15	47	12	4	1	111
					28-27	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	53	57	37	31	26	30	31	96	185	72	34	33	685
CAIRO AREA	Cairo ... ... (A)	76	7	27	1-10	49	56	86	73	18	10	53	68	41	43	44	26	567
					11-27	1	0	9	3	0	0	9	16	19	5	4	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	50	56	95	76	18	10	62	84	60	48	48	27	634
	Mostafa Helmi ... (A)	12	23	0	1-10	55	95	45	13	10	8	19	32	32	21	38	40	408
					11-27	4	32	69	8	2	0	13	25	59	30	32	25	299
					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	59	127	114	21	12	8	32	59	91	51	70	65	709

TABLE A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

JANUARY 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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
CAIRO AREA (contd.)	Almaza ... ... (A) ...	3	1	0	1–10	38	106	107	28	53	29	42	73	41	46	51	30	644
					11–27	0	5	26	11	0	1	9	15	12	13	4	0	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	**38**	**111**	**133**	**39**	**53**	**30**	**51**	**88**	**53**	**59**	**55**	**30**	**740**
	Abbasiya (H.Q)... ...	227	10	2	1–10	76	89	15	1	14	8	62	84	35	56	42	39	501
					11–27	0	0	0	0	0	0	3	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	**76**	**89**	**15**	**1**	**14**	**8**	**65**	**85**	**35**	**56**	**42**	**39**	**505**
	Giza	215	3	1	1–10	93	46	1	1	42	73	13	18	25	32	82	88	514
					11–27	0	1	0	0	0	1	6	2	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	**93**	**47**	**1**	**1**	**42**	**74**	**19**	**20**	**26**	**32**	**82**	**88**	**525**
UPPER EGYPT	Minya ... ... (A) ...	23	12	1	1–10	234	69	5	1	6	41	39	8	11	22	48	130	614
					11–27	42	22	0	0	0	3	2	1	1	5	11	7	94
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**276**	**91**	**5**	**1**	**6**	**44**	**41**	**9**	**12**	**27**	**59**	**137**	**708**
	Luxor ... ... (A) ...	180	6	1	1–10	95	53	24	10	21	30	63	64	27	22	36	107	552
					11–27	1	0	0	0	1	0	0	0	0	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	**96**	**53**	**24**	**10**	**22**	**30**	**63**	**64**	**27**	**22**	**36**	**110**	**557**
WESTERN DESERT	Siwa	111	3	13	1–10	15	5	18	9	54	42	18	18	19	111	138	19	466
					11–27	8	2	3	0	11	21	3	3	15	25	44	16	151
					28–47	0	0	0	0	0	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**	**7**	**21**	**9**	**65**	**63**	**21**	**21**	**34**	**136**	**182**	**35**	**617**
	Dakhla	9	13	1	1–10	69	35	39	12	14	11	10	22	60	142	165	110	689
					11–27	2	0	0	0	0	0	0	0	0	0	11	19	32
					28–47	0	0	0	0	0	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**	**35**	**39**	**12**	**14**	**11**	**10**	**22**	**60**	**142**	**176**	**129**	**721**
RED SEA	Hurghada	0	2	0	1–10	18	8	4	4	1	2	1	4	8	16	36	18	120
					11–27	95	1	1	0	2	7	8	1	0	29	262	214	620
					28–47	0	0	0	0	0	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**	**9**	**5**	**4**	**3**	**9**	**9**	**5**	**8**	**45**	**298**	**234**	**742**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS,

SALLUM — JANUARY 1961

Hour (U.T.)	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	1	0	0	0	1	0	1	0	0	6	0	1	10
				11-27	0	0	0	0	0	0	0	1	2	6	2	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**	**0**	**0**	**0**	**1**	**0**	**1**	**1**	**2**	**12**	**2**	**2**	**22**
0300	8	0	0	1-10	1	0	0	0	1	0	0	0	2	7	1	2	14
				11-27	0	0	0	0	0	0	0	1	2	3	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	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**4**	**10**	**1**	**5**	**23**
0600	7	0	0	1-10	2	0	0	0	1	0	0	0	4	0	3	2	12
				11-27	0	0	0	0	0	0	0	0	3	7	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	**2**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**7**	**7**	**4**	**3**	**24**
0900	3	0	0	1-10	1	0	2	0	1	0	0	4	4	0	1	2	15
				11-27	0	0	0	1	0	1	0	0	3	4	3	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**	**1**	**1**	**1**	**0**	**4**	**7**	**4**	**4**	**3**	**28**
1200	1	0	0	1-10	3	2	1	3	0	1	1	1	1	3	0	1	17
				11-27	0	0	0	1	1	1	0	1	2	2	4	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	**3**	**2**	**1**	**4**	**1**	**2**	**1**	**2**	**3**	**5**	**4**	**2**	**30**
1500	5	0	0	1-10	1	4	1	1	0	1	0	0	2	3	1	3	17
				11-27	1	1	1	0	1	1	0	0	1	2	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**	**5**	**2**	**1**	**1**	**2**	**0**	**0**	**3**	**5**	**1**	**4**	**26**
1800	8	0	0	1-10	0	1	1	0	0	1	0	0	0	4	0	6	13
				11-27	0	0	1	0	1	0	0	0	2	0	3	1	8
				28-47	0	0	1	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	**0**	**1**	**3**	**0**	**1**	**1**	**0**	**0**	**3**	**4**	**3**	**7**	**23**
2100	11	0	0	1-10	1	0	0	0	1	1	1	0	0	6	1	1	12
				11-27	0	0	0	0	0	0	1	0	0	2	1	3	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**	**0**	**0**	**0**	**1**	**1**	**2**	**0**	**1**	**8**	**2**	**4**	**20**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MERSA MATRUH (A) — JANUARY 1961

Hour (U.T.)	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	1	3	4	5	2	0	0	15
				11-27	1	0	0	0	1	0	1	3	4	2	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	**1**	**0**	**0**	**0**	**1**	**1**	**4**	**7**	**9**	**4**	**0**	**2**	**29**
0300	0	0	0	1-10	1	0	0	1	0	1	2	3	3	1	0	0	12
				11-27	1	0	0	0	0	0	1	7	6	1	1	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**	**0**	**0**	**1**	**0**	**1**	**3**	**10**	**9**	**2**	**1**	**2**	**31**
0600	1	0	0	1-10	0	0	1	1	0	0	0	5	1	2	1	0	11
				11-27	0	0	0	0	1	1	0	5	8	2	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	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**10**	**9**	**4**	**1**	**2**	**30**
0900	0	0	0	1-10	1	1	1	0	0	0	0	5	3	1	1	1	14
				11-27	1	0	0	0	2	1	0	0	3	6	1	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	**2**	**1**	**1**	**0**	**2**	**1**	**0**	**5**	**6**	**7**	**2**	**4**	**31**
1200	0	0	0	1-10	3	1	1	1	0	0	1	2	2	1	1	4	17
				11-27	1	1	0	0	1	0	0	0	1	4	4	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	**4**	**2**	**1**	**1**	**1**	**0**	**1**	**2**	**3**	**5**	**5**	**6**	**31**
1500	0	0	0	1-10	1	3	2	1	0	0	2	0	0	1	4	3	17
				11-27	2	0	0	1	1	0	0	1	0	2	5	1	13
				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**	**2**	**2**	**1**	**0**	**2**	**1**	**1**	**3**	**9**	**4**	**31**
1800	2	0	0	1-10	1	2	0	1	1	0	1	1	7	3	1	1	19
				11-27	0	2	1	0	1	0	0	1	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**	**4**	**1**	**1**	**2**	**0**	**1**	**2**	**11**	**3**	**1**	**2**	**29**
2100	1	0	0	1-10	0	0	2	1	0	2	3	2	7	0	0	0	17
				11-27	1	0	0	0	1	0	1	3	3	3	0	0	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	**1**	**0**	**2**	**1**	**1**	**2**	**4**	**5**	**10**	**3**	**1**	**0**	**30**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DEKHEILA (A) — JANUARY 1961

Hour (U.T.)	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	0	1	2	1	3	3	3	0	1	0	1	19
				11-27	1	0	0	1	0	0	0	1	1	3	2	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	**5**	**0**	**1**	**3**	**1**	**3**	**3**	**4**	**1**	**4**	**3**	**2**	**30**
0300	1	0	0	1-10	2	1	0	3	0	2	1	4	4	0	0	2	19
				11-27	1	1	0	1	0	0	0	1	2	2	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	**3**	**2**	**0**	**4**	**0**	**2**	**1**	**5**	**6**	**2**	**0**	**5**	**30**
0600	0	0	0	1-10	0	1	1	2	1	4	1	4	6	0	1	1	22
				11-27	0	0	1	1	0	0	0	1	1	0	2	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	**0**	**1**	**2**	**3**	**1**	**4**	**1**	**5**	**7**	**0**	**3**	**4**	**31**
0900	0	0	0	1-10	0	3	2	1	0	1	2	3	2	2	0	2	18
				11-27	1	0	0	1	1	0	0	2	2	2	3	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**	**3**	**2**	**2**	**1**	**1**	**2**	**5**	**4**	**4**	**3**	**3**	**31**
1200	0	0	0	1-10	3	4	0	1	0	0	1	0	0	2	3	1	15
				11-27	2	1	0	0	1	0	0	0	2	4	3	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**	**5**	**0**	**1**	**1**	**0**	**1**	**0**	**2**	**6**	**6**	**4**	**31**
1500	0	0	0	1-10	4	3	2	0	0	0	1	0	0	3	1	5	19
				11-27	2	1	1	0	0	0	0	0	0	3	4	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**	**4**	**3**	**0**	**0**	**0**	**1**	**0**	**0**	**6**	**5**	**6**	**31**
1800	0	0	0	1-10	3	4	2	3	2	0	0	1	1	0	1	4	21
				11-27	2	0	1	1	0	0	0	0	0	1	5	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	**5**	**4**	**3**	**4**	**2**	**0**	**0**	**1**	**1**	**1**	**6**	**4**	**31**
2100	0	0	0	1-10	4	0	4	4	2	2	2	1	1	0	1	1	22
				11-27	1	0	0	0	0	0	0	0	1	1	5	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	**5**	**0**	**4**	**4**	**2**	**2**	**2**	**1**	**2**	**1**	**6**	**2**	**31**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALEXANDRIA (A)—JANUARY 1961

Hour (U.T.)	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	1	2	3	4	2	2	0	1	2	1	1	20
				11-27	0	0	0	0	0	0	1	2	1	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	1	1	2	3	4	2	3	2	2	3	1	3	27
0300	1	0	0	1-10	1	2	1	2	1	1	2	6	1	1	1	0	19
				11-27	1	1	0	1	1	0	0	3	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	2	3	1	3	2	1	2	9	1	1	4	1	30
0600	1	0	0	1-10	0	2	1	2	1	1	4	8	1	0	1	1	22
				11-27	1	0	1	0	0	0	2	1	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	1	2	2	2	1	1	6	9	1	1	1	3	30
0900	0	0	0	1-10	2	1	0	2	1	1	5	0	0	1	0	0	13
				11-27	1	0	1	2	0	0	0	3	5	3	3	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	3	1	1	4	1	1	5	3	5	4	3	0	31
1200	0	0	0	1-10	1	0	0	1	0	0	0	3	0	2	1	4	12
				11-27	4	0	1	1	0	0	0	0	5	3	1	3	18
				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	1	2	0	0	0	3	5	5	3	7	31
1500	0	0	0	1-10	3	2	0	1	0	0	1	0	1	2	2	5	17
				11-27	3	1	0	0	0	0	0	0	4	4	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	6	3	0	1	0	0	1	0	5	6	3	6	31
1800	0	0	0	1-10	4	5	2	2	1	0	0	0	0	2	2	5	23
				11-27	0	0	0	0	0	0	1	0	2	3	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	4	5	2	2	1	0	1	0	2	5	3	6	31
2100	2	0	0	1-10	2	5	4	4	0	0	1	1	1	1	1	4	24
				11-27	0	0	0	0	0	0	0	2	0	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	2	5	4	4	0	0	1	3	1	3	1	5	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

PORT SAID (A) — JANUARY 1961

Hour (U.T.)	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	3	0	0	1	1	2	1	4	3	1	20
				11-27	0	0	0	2	0	0	0	0	2	3	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	2	2	3	2	0	1	1	2	3	7	3	3	29
0300	0	0	0	1-10	1	4	3	0	1	2	0	1	2	3	2	0	19
				11-27	2	0	0	0	1	0	0	2	2	4	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	3	4	3	0	2	2	0	3	4	7	3	0	31
0600	0	0	0	1-10	2	1	3	0	1	0	2	1	3	4	0	2	19
				11-27	0	0	0	2	0	1	0	0	4	4	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	2	1	3	2	1	1	2	1	7	8	1	2	31
0900	1	0	0	1-10	4	1	1	2	0	0	3	2	2	7	0	1	23
				11-27	1	0	0	1	0	0	0	0	3	0	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	5	1	1	3	0	0	3	2	5	7	2	1	30
1200	0	0	0	1-10	5	6	1	1	0	0	0	0	4	4	1	0	22
				11-27	1	0	0	2	0	0	0	0	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	6	6	1	3	0	0	0	0	8	5	2	0	31
1500	3	0	0	1-10	1	8	2	0	0	0	0	0	1	2	0	2	16
				11-27	3	0	1	2	0	0	0	1	0	3	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	4	8	3	2	0	0	0	1	1	5	1	3	28
1800	2	0	0	1-10	4	5	5	0	1	0	0	0	1	3	3	0	22
				11-27	1	0	0	1	1	0	0	0	2	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	5	5	1	2	0	0	0	3	5	3	0	29
2100	3	0	0	1-10	1	3	4	0	2	1	0	1	4	1	3	1	21
				11-27	0	0	0	2	0	0	0	0	1	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	1	3	4	2	2	1	0	1	5	4	3	2	28

TABLE A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

EL ARISH — JANUARY 1961

Hour (U.T.)	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	12	0	0	1-10	0	0	1	0	0	6	0	5	7	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	**0**	**0**	**1**	**0**	**0**	**6**	**0**	**5**	**7**	**0**	**0**	**0**	**19**
0300	11	0	0	1-10	0	0	0	1	2	4	1	4	5	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	**0**	**0**	**0**	**1**	**2**	**4**	**1**	**4**	**5**	**2**	**1**	**0**	**20**
0600	7	0	0	1-10	0	0	0	1	1	3	3	5	4	1	0	1	19
				11-27	0	0	0	0	0	4	0	0	1	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**	**0**	**0**	**1**	**1**	**7**	**3**	**5**	**5**	**1**	**0**	**1**	**24**
0900	2	0	0	1-10	0	0	0	3	5	1	2	1	5	5	1	1	24
				11-27	0	0	0	0	0	0	0	0	2	3	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**	**0**	**3**	**5**	**1**	**2**	**1**	**7**	**8**	**1**	**1**	**29**
1200	2	0	0	1-10	3	3	0	2	1	0	0	1	1	5	5	3	24
				11-27	0	1	0	0	0	0	0	0	1	2	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**	**4**	**0**	**2**	**1**	**0**	**0**	**1**	**2**	**7**	**6**	**3**	**29**
1500	9	0	0	1-10	2	4	0	2	1	0	0	1	1	6	3	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	**2**	**4**	**0**	**2**	**1**	**0**	**0**	**1**	**1**	**6**	**3**	**2**	**22**
1800	12	0	0	1-10	2	4	0	1	0	1	0	3	4	3	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	**2**	**4**	**0**	**1**	**0**	**1**	**0**	**3**	**4**	**3**	**1**	**0**	**19**
2100	13	0	0	1-10	0	1	0	1	3	3	1	2	6	0	0	0	17
				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**	**1**	**0**	**1**	**3**	**3**	**1**	**2**	**7**	**0**	**0**	**0**	**18**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

GHAZZA — JNAUARY 1961

Hour (U.T.)	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	5	2	11	3	1	0	0	0	0	22
				11-27	0	0	0	0	1	4	2	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	0	0	0	5	3	15	5	1	0	1	0	1	31
0300	0	0	0	1-10	0	0	0	2	5	12	5	0	0	2	0	0	26
				11-27	0	0	0	0	0	1	4	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	0	0	2	5	13	9	0	0	2	0	0	31
0600	1	0	0	1-10	0	0	1	0	3	15	7	0	0	0	0	0	26
				11-27	0	0	0	0	0	0	2	0	0	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	0	0	1	0	3	15	9	0	0	1	1	0	30
0900	0	0	0	1-10	2	1	1	1	1	2	7	4	2	2	0	1	24
				11-27	0	0	0	0	0	1	0	1	3	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	2	1	1	1	1	3	7	5	5	4	0	1	31
1200	1	0	0	1-10	5	2	0	0	1	1	1	1	3	3	1	4	22
				11-27	1	0	0	0	0	0	0	0	6	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	6	2	0	0	1	1	1	1	9	3	2	4	30
1500	1	0	0	1-10	5	2	1	2	1	1	1	1	5	2	1	2	24
				11-27	2	0	0	0	0	0	0	0	1	2	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	2	1	2	1	1	1	1	6	4	1	3	30
1800	1	0	0	1-10	1	0	0	9	2	5	6	0	0	1	1	0	25
				11-27	0	1	0	0	0	0	0	0	0	4	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	1	0	9	2	5	6	0	0	5	1	0	30
2100	1	0	0	1-10	0	0	0	8	3	4	7	1	1	0	0	0	23
				11-27	0	0	0	0	0	3	0	0	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	0	0	8	3	7	7	1	1	2	1	0	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ABU SUEIR (A) — JANUARY 1961

Hour (U.T.)	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	0	1	0	1	1	0	8	0	1	1	14
				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	1	0	0	1	0	1	1	0	10	0	1	1	16
0300	18	0	0	1-10	0	1	0	1	0	0	0	1	5	2	0	1	11
				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	0	1	0	1	0	0	0	3	5	3	0	1	13
0600	15	0	0	1-10	0	0	0	1	0	1	0	0	9	1	0	0	12
				11-27	0	0	0	0	0	0	1	1	1	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	0	0	1	0	1	1	1	10	2	0	0	16
0900	8	0	0	1-10	0	0	1	2	0	0	1	1	0	5	1	1	12
				11-27	0	0	0	1	0	0	0	0	3	6	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	0	0	1	3	0	0	1	1	3	11	2	1	23
1200	2	0	0	1-10	3	3	0	1	0	0	1	0	1	2	2	2	13
				11-27	1	0	2	2	0	0	0	0	1	3	5	1	15
				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	2	3	0	0	1	0	3	5	7	3	29
1500	1	0	0	1-10	1	3	0	1	0	1	0	0	1	1	2	1	11
				11-27	3	5	2	0	0	0	0	0	1	4	3	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	4	8	2	1	0	1	0	0	2	5	5	2	30
1800	6	0	0	1-10	5	5	1	2	0	0	0	1	1	5	2	1	22
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	5	1	2	0	0	0	2	2	6	2	1	25
2100	16	0	0	1-10	0	1	1	1	0	0	0	2	4	2	0	2	13
				11-27	0	0	0	1	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	0	1	1	2	0	0	0	2	5	2	0	2	15

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

CAIRO (A) — JARUARY 1961

Hour (U.T.)	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	2	7	2	2	3	4	1	0	1	0	23
				11–27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**1**	**2**	**8**	**2**	**2**	**4**	**4**	**2**	**0**	**1**	**0**	**26**
0300	7	0	0	1–10	0	0	2	8	1	1	5	3	0	1	0	0	21
				11–27	0	0	0	1	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	**0**	**0**	**2**	**9**	**1**	**1**	**5**	**4**	**1**	**1**	**0**	**0**	**24**
0600	6	0	0	1–10	1	0	1	8	0	0	6	2	2	3	1	0	24
				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**	**1**	**8**	**0**	**0**	**7**	**2**	**2**	**3**	**1**	**0**	**25**
0900	0	0	0	1–10	0	5	4	0	0	0	1	0	6	6	1	1	24
				11–27	0	0	2	0	0	0	0	3	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	**0**	**5**	**6**	**0**	**0**	**0**	**1**	**3**	**8**	**6**	**1**	**1**	**31**
1200	0	0	0	1–10	2	7	1	1	0	0	0	1	1	7	1	0	21
				11–27	0	1	2	0	0	0	0	1	3	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**	**8**	**3**	**1**	**0**	**0**	**0**	**2**	**4**	**9**	**2**	**0**	**31**
1500	0	0	0	1–10	4	3	2	1	0	0	0	1	2	4	3	5	25
				11–27	1	1	1	0	0	0	0	0	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	**5**	**4**	**3**	**1**	**0**	**0**	**0**	**1**	**2**	**6**	**4**	**5**	**31**
1800	8	0	0	1–10	2	8	4	0	0	1	1	2	2	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	**2**	**8**	**4**	**0**	**0**	**1**	**1**	**2**	**2**	**1**	**1**	**1**	**23**
2100	8	0	0	1–10	0	1	4	4	1	1	2	4	0	1	1	1	20
				11–27	0	0	0	2	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	**0**	**1**	**4**	**6**	**1**	**1**	**2**	**4**	**1**	**1**	**1**	**1**	**23**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MOSTAFA HELMI (A) — JANUARY 1961

Hour (U.T.)	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	4	2	1	0	0	2	4	0	1	1	2	19
				11-27	0	1	0	2	0	0	0	0	3	0	0	1	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	2	5	2	3	0	0	2	4	4	1	1	3	27
0300	3	0	0	1-10	2	3	3	1	0	0	1	1	4	1	1	3	20
				11-27	0	0	1	1	0	0	1	2	2	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	2	3	4	2	0	0	2	3	6	2	1	3	28
0600	3	0	0	1-10	1	2	3	0	1	0	1	6	3	3	2	0	22
				11-27	0	0	1	1	0	0	1	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	2	4	1	1	0	2	7	4	4	2	0	28
0900	0	0	0	1-10	2	4	1	1	0	1	0	2	0	2	1	1	15
				11-27	0	3	2	0	0	0	0	0	4	3	3	0	15
				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	2	7	3	1	0	1	1	2	4	5	4	1	31
1200	2	0	0	1-10	1	3	0	0	3	0	1	0	0	0	1	0	7
				11-27	0	4	6	0	0	0	0	0	0	5	5	1	21
				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	7	6	0	1	0	1	0	1	5	6	1	29
1500	0	0	0	1-10	2	6	1	1	1	0	0	0	0	0	2	1	14
				11-27	1	2	3	0	0	0	1	0	0	4	1	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	3	8	4	1	1	0	1	0	0	4	3	6	31
1800	1	0	0	1-10	7	3	2	0	0	0	1	0	0	1	3	4	21
				11-27	0	4	1	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	7	7	3	1	0	0	1	0	1	3	3	4	30
2100	6	0	0	1-10	4	4	3	1	0	1	1	0	1	0	4	1	20
				11-27	0	0	2	0	0	0	0	2	1	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	4	4	5	1	0	1	1	2	2	0	4	1	25

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALMAZA (A) — JANUARY 1961

Hour (U.T.)	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	4	4	1	3	3	3	4	1	0	1	1	25
				11-27	0	0	0	1	0	0	1	1	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**	**4**	**2**	**3**	**3**	**4**	**5**	**1**	**0**	**1**	**1**	**28**
0300	1	0	0	1-10	1	4	3	2	4	3	4	4	1	0	1	0	27
				11-27	0	0	0	1	0	0	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	**1**	**4**	**3**	**3**	**4**	**3**	**4**	**6**	**1**	**0**	**1**	**0**	**30**
0600	0	0	0	1-10	1	1	2	2	3	1	1	5	4	4	1	0	25
				11-27	0	0	1	1	0	0	2	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**	**3**	**3**	**3**	**1**	**3**	**7**	**4**	**4**	**1**	**0**	**31**
0900	0	0	0	1-10	3	5	2	0	1	0	0	3	6	3	2	1	26
				11-27	0	0	2	0	0	0	0	2	0	0	0	0	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	**3**	**5**	**4**	**0**	**1**	**0**	**0**	**6**	**6**	**3**	**2**	**1**	**31**
1200	0	0	0	1-10	3	5	4	0	0	0	0	2	1	3	5	0	23
				11-27	0	2	1	0	0	0	0	2	1	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**	**7**	**5**	**0**	**0**	**0**	**0**	**4**	**2**	**5**	**5**	**0**	**31**
1500	0	0	0	1-10	6	2	4	0	0	0	0	1	1	5	4	2	25
				11-27	0	1	2	0	0	0	0	0	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	**6**	**3**	**6**	**0**	**0**	**0**	**0**	**1**	**1**	**7**	**5**	**2**	**31**
1800	0	0	0	1-10	0	11	5	0	1	1	0	3	1	3	3	2	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	**0**	**12**	**5**	**0**	**1**	**1**	**0**	**3**	**1**	**3**	**3**	**2**	**31**
2100	0	0	0	1-10	3	2	4	4	3	4	1	4	2	0	1	0	28
				11-27	0	0	0	2	0	0	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**	**2**	**4**	**6**	**3**	**4**	**2**	**4**	**2**	**0**	**1**	**0**	**31**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

GIZA — JANUARY 1961

Hour (U.T.)	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	1	0	1	0	3	3	0	1	0	0	2	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	1	0	3	3	0	1	0	0	2	3	14
0300	17	0	0	1-10	1	0	0	0	4	3	0	1	0	1	3	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	4	3	0	1	0	1	3	1	14
0600	11	0	0	1-10	0	0	0	1	4	5	1	0	0	2	6	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	0	0	0	1	4	5	1	0	0	2	6	1	20
0900	1	0	0	1-10	5	1	0	1	6	2	1	3	0	1	3	4	27
				11-27	0	1	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	2	0	1	6	3	2	3	0	1	3	4	30
1200	0	0	0	1-10	6	4	0	0	3	0	0	2	3	2	5	4	29
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	4	0	0	3	0	2	2	3	2	5	4	31
1500	7	0	0	1-10	6	1	0	0	0	1	0	1	0	2	5	7	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	6	1	0	0	0	1	0	1	0	2	6	7	24
1800	12	0	0	1-10	10	1	0	0	1	0	0	0	0	0	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	10	1	0	0	1	0	0	0	0	0	4	3	19
2100	17	0	0	1-10	5	2	0	0	1	1	1	0	0	1	2	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	5	2	0	0	1	1	1	0	0	1	2	1	14

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MINYA (A) — JANRARY 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of 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	13	0	0	0	0	1	3	0	2	1	0	7	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	**13**	**0**	**0**	**0**	**0**	**1**	**3**	**0**	**2**	**1**	**0**	**8**	**28**
0300	7	0	0	1-10	11	0	1	0	0	2	1	1	0	0	1	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	**11**	**0**	**1**	**0**	**0**	**2**	**1**	**1**	**0**	**0**	**1**	**7**	**24**
0600	6	0	0	1-10	7	0	0	0	0	5	1	0	0	0	1	11	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	**7**	**0**	**0**	**0**	**0**	**5**	**1**	**0**	**0**	**0**	**1**	**11**	**25**
0900	1	0	0	1-10	8	6	0	0	0	0	3	0	0	2	2	2	23
				11-27	2	1	0	0	0	0	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	**10**	**7**	**0**	**0**	**0**	**0**	**4**	**0**	**0**	**2**	**2**	**5**	**30**
1200	1	0	0	1-10	4	4	0	0	0	0	1	0	0	2	1	2	14
				11-27	5	2	0	0	0	0	0	0	0	1	3	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	**9**	**6**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**3**	**4**	**7**	**30**
1500	1	0	0	1-10	13	2	0	0	0	1	1	0	0	1	4	3	25
				11-27	4	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**17**	**2**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**2**	**4**	**3**	**30**
1800	5	0	0	1-10	13	2	0	0	0	1	2	0	1	2	1	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**	**2**	**0**	**0**	**0**	**1**	**2**	**0**	**1**	**2**	**1**	**4**	**26**
2100	4	0	0	1-10	14	0	0	0	0	2	0	0	1	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	**15**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**1**	**0**	**2**	**7**	**27**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASYOUT (A) — JANUARY 1961

Hour (U.T.)	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	0	1	0	0	0	0	4	12	0	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	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**4**	**12**	**0**	**1**	**18**
0300	18	0	0	1–10	0	0	1	1	0	0	0	0	4	6	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	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**4**	**6**	**0**	**1**	**13**
0600	13	0	0	1–10	0	0	0	1	0	0	1	0	2	13	0	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	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**2**	**13**	**0**	**1**	**18**
0900	11	0	0	1–10	0	0	0	0	0	0	0	0	0	6	4	7	17
				11–27	1	0	0	0	0	0	1	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**	**0**	**0**	**0**	**1**	**0**	**0**	**6**	**5**	**7**	**20**
1200	6	0	0	1–10	2	1	0	0	0	0	0	0	0	0	3	7	13
				11–27	1	0	0	0	0	0	0	0	1	0	[illegible]	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	**3**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**4**	**16**	**25**
1500	5	0	0	1–10	1	0	0	0	0	0	1	0	0	1	10	12	25
				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**	**1**	**0**	**0**	**2**	**10**	**12**	**26**
1800	8	0	0	1–10	0	0	0	0	0	0	1	1	1	11	4	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	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**11**	**4**	**5**	**23**
2100	8	0	0	1–10	0	1	0	0	1	0	1	1	4	11	2	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**	**1**	**0**	**1**	**1**	**4**	**11**	**2**	**2**	**23**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

LUXOR (A) — JANUARY 1961

Hour (U.T.)	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	0	0	2	0	0	2	1	0	1	1	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	0	0	2	0	0	2	1	0	1	1	0	8
0300	24	0	0	1–10	1	1	0	2	0	0	2	0	1	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	1	1	0	2	0	0	2	0	1	0	0	0	7
0600	26	0	0	1–10	0	0	0	0	0	1	0	1	1	0	0	2	5
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	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	0	0	2	5
0900	10	0	0	1–10	5	5	0	0	0	0	0	0	0	1	0	9	20
				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	5	0	0	0	0	0	0	0	1	0	10	21
1200	7	0	0	1–10	12	1	0	0	0	0	0	0	0	1	3	6	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	13	1	0	0	0	0	0	0	0	1	3	6	24
1500	18	0	0	1–10	3	0	0	0	0	0	0	0	0	0	1	9	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	0	0	0	0	0	1	9	13
1800	22	0	0	1–10	0	0	0	0	0	1	1	0	0	1	2	4	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	0	0	0	0	1	1	0	0	1	2	4	9
2100	14	0	0	1–10	2	0	1	0	0	1	8	2	0	0	2	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	2	0	1	0	0	1	8	2	0	0	2	1	17

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASWAN (A) — JANUARY 1961

Hour (U.T.)	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 / 047	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	6	0	0	0	0	0	0	0	0	0	1	25
				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**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**27**
0300	10	0	0	1-10	13	2	0	0	0	0	0	0	0	0	0	2	17
				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	**16**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**21**
0600	4	0	0	1-10	23	2	0	0	0	0	0	0	0	0	0	1	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	**24**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**27**
0900	1	0	0	1-10	11	4	0	0	0	0	0	0	0	1	0	0	16
				11-27	11	2	0	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	**22**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**30**
1200	3	0	0	1-10	9	3	1	1	0	0	0	0	1	1	1	3	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	**17**	**3**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**3**	**28**
1500	0	0	0	1-10	10	3	0	0	0	0	0	0	1	0	0	3	27
				11-27	9	1	0	0	0	0	0	0	1	0	3	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	**19**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**3**	**3**	**31**
1800	0	0	0	1-10	16	4	0	0	0	0	0	0	1	0	0	2	23
				11-27	7	1	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	**23**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**2**	**31**
1200	3	0	0	1-10	18	3	0	0	0	0	0	0	0	0	0	1	22
				11-27	5	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**23**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**28**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SIWA — JANUARY 1961

Hour (U.T.)	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	2	1	0	2	0	0	0	0	0	2	6	0	13
				11-27	0	0	0	0	0	0	0	0	1	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	**2**	**1**	**0**	**2**	**0**	**0**	**0**	**0**	**1**	**4**	**6**	**0**	**16**
0300	10	0	0	1-10	1	0	0	1	0	2	1	0	1	8	4	2	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	**1**	**0**	**0**	**1**	**0**	**2**	**1**	**0**	**1**	**9**	**4**	**2**	**21**
0600	13	0	0	1-10	0	0	1	1	0	2	0	1	0	6	6	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	**0**	**0**	**1**	**1**	**0**	**2**	**0**	**1**	**0**	**6**	**6**	**1**	**18**
0900	4	0	0	1-10	0	0	1	1	4	2	0	0	1	0	7	2	18
				11-27	0	1	0	1	2	0	0	0	0	2	3	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**	**1**	**2**	**6**	**2**	**0**	**0**	**1**	**2**	**10**	**2**	**27**
1200	0	0	0	1-10	0	1	1	1	1	1	2	1	0	1	3	1	13
				11-27	1	0	0	0	0	4	0	0	0	5	5	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**	**1**	**1**	**1**	**5**	**2**	**1**	**0**	**6**	**8**	**4**	**31**
1500	2	0	0	1-10	1	1	0	2	2	2	1	0	0	4	3	3	19
				11-27	1	0	0	0	0	1	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	**2**	**1**	**0**	**2**	**2**	**3**	**1**	**0**	**0**	**5**	**7**	**6**	**29**
1800	4	0	0	1-10	3	1	0	3	1	1	1	2	1	7	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	**3**	**1**	**0**	**3**	**1**	**1**	**1**	**2**	**1**	**7**	**7**	**0**	**27**
2100	7	0	0	1-10	1	0	0	2	0	1	1	1	1	6	7	0	20
				11-27	1	0	0	0	1	1	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	**2**	**0**	**0**	**2**	**1**	**2**	**1**	**1**	**2**	**6**	**7**	**0**	**24**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

BAHARIYA — JANUARY 1961

Hour (U.T.)	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	18	0	0	1-10	1	3	1	0	0	0	0	0	0	4	1	1	11
				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**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**1**	**3**	**13**
0300	25	0	0	1-10	1	0	0	0	0	0	0	0	0	3	2	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**2**	**0**	**6**
0600	25	0	0	1-10	1	1	0	0	0	0	0	0	0	3	1	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	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**1**	**0**	**6**
0900	10	0	0	1-10	6	1	3	1	0	0	0	0	0	0	1	1	13
				11-27	1	0	1	0	0	0	0	0	0	4	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	**7**	**1**	**4**	**1**	**0**	**0**	**0**	**0**	**0**	**4**	**2**	**2**	**21**
1200	5	0	0	1-10	4	2	5	0	0	0	1	0	1	0	0	3	16
				11-27	3	1	0	0	0	0	0	0	0	3	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	**7**	**3**	**5**	**0**	**0**	**0**	**1**	**0**	**1**	**3**	**2**	**4**	**26**
1500	2	0	0	1-10	7	2	5	3	0	0	0	1	0	1	2	3	24
				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	**7**	**2**	**5**	**3**	**0**	**0**	**0**	**1**	**0**	**3**	**3**	**5**	**29**
1800	18	0	0	1-10	1	2	1	0	0	0	1	0	0	4	3	0	12
				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**	**2**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**4**	**4**	**0**	**13**
2100	20	0	0	1-10	1	4	0	0	0	0	0	0	0	1	0	1	7
				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	**1**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**3**	**11**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DAKHLA — JANUARY 1961

[illegible]	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	1	1	1	0	1	3	6	8	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**	**1**	**1**	**1**	**1**	**0**	**1**	**3**	**6**	**8**	**1**	**1**	**24**
0300	6	0	0	1–10	0	2	1	1	0	1	1	0	2	10	5	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	**0**	**2**	**1**	**1**	**0**	**1**	**1**	**0**	**2**	**10**	**5**	**2**	**25**
0600	6	0	0	1–10	1	0	1	0	1	1	2	1	4	6	7	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	**1**	**0**	**1**	**0**	**1**	**1**	**2**	**1**	**4**	**6**	**7**	**1**	**25**
0900	0	0	0	1–10	1	5	2	0	0	0	0	0	2	2	8	10	30
				11–27	0	0	0	0	0	0	0	0	0	0	1	0	0
				28–47	0	0	0	0	0	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**	**2**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**9**	**10**	**30**
1200	0	0	0	1–10	5	4	1	0	0	1	0	0	0	0	5	10	26
				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	**6**	**4**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**6**	**13**	**31**
1500	0	0	0	1–10	9	1	0	1	0	0	0	0	0	1	6	10	28
				11–27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**9**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**8**	**11**	**31**
1800	5	0	0	1–10	4	1	2	1	0	1	0	0	0	5	7	4	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	**4**	**1**	**2**	**1**	**0**	**1**	**0**	**0**	**0**	**5**	**7**	**5**	**26**
2100	4	0	0	1–10	0	0	2	2	0	0	3	4	1	3	12	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**	**2**	**2**	**0**	**0**	**3**	**4**	**1**	**3**	**12**	**0**	**27**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

KHARGA — JANUARY 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of the ranges of directions in												All directions
					345 / 014	015 / 044	045 / 074	075 / 104	105 / 134	135 / 164	165 / 194	195 / 224	225 / 254	[illegible]	[illegible]	315 / 344	
0000	28	0	0	1-10	3	0	0	0	0	0	0	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	3	0	0	0	0	0	0	0	0	0	0	0	3
0300	29	0	0	1-10	2	0	0	0	0	0	0	0	0	0	0	0	2
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	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	0	0	2
0600	24	0	0	1-10	6	1	0	0	0	0	0	0	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	6	1	0	0	0	0	0	0	0	0	0	0	7
0900	11	0	0	1-10	11	3	1	1	0	0	1	0	0	0	0	0	17
				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	13	4	1	1	0	0	1	0	0	0	0	0	20
1200	5	0	0	1-10	24	0	0	1	0	0	1	0	0	0	0	0	25
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	24	0	0	1	0	0	1	0	0	0	0	0	26
1500	8	0	0	1-10	20	2	0	0	0	0	0	0	0	0	0	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	20	2	0	0	0	0	0	0	0	0	0	1	23
1800	26	0	0	1-10	5	0	0	0	0	0	0	0	0	0	0	0	5
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	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	0	0	5
2100	30	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	0	0	0	0
				28-47	0	0	0	0	0	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	0	1

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

TOR — JANUARY 1961

Hour (U.T.)	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	7	7	0	1	2	0	0	0	0	0	2	2	21
				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	8	7	0	1	2	0	0	0	0	0	3	3	24
0300	6	0	0	1-10	10	8	0	1	0	1	0	0	0	0	2	2	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	10	8	0	1	0	1	0	0	0	0	2	3	25
0600	5	0	0	1-10	11	9	0	0	0	1	0	0	0	0	1	2	24
				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	11	9	0	0	0	1	0	0	0	0	1	4	26
0900	5	0	0	1-10	3	1	0	0	0	0	0	0	0	4	6	3	15
				11-27	0	0	0	0	0	0	2	0	0	0	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	3	1	0	0	0	0	2	0	0	4	10	6	26
1200	4	0	0	1-10	0	0	0	0	0	0	0	1	0	5	2	3	11
				11-27	0	0	0	0	0	0	1	0	0	1	14	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	0	0	1	1	0	6	16	3	27
1500	3	0	0	1-10	0	0	0	0	0	0	1	0	0	3	7	4	15
				11-27	0	0	0	0	0	0	1	0	0	1	7	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	0	0	0	0	0	0	2	0	0	4	14	8	28
1800	11	0	0	1-10	3	1	0	1	1	1	0	0	0	1	1	2	11
				11-27	1	0	0	0	0	0	0	0	0	0	2	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	4	1	0	1	1	1	0	0	0	1	3	8	20
2100	12	0	0	1-10	6	2	1	2	1	0	0	0	0	0	1	1	14
				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	7	2	1	2	1	0	0	0	0	0	2	4	19

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

HURGHADA— JANUARY 1961

Hour (U.T.)	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	0	0	0	1-10	0	0	0	0	0	0	0	1	0	3	1	0	5
				11-27	0	0	0	0	0	0	0	0	0	3	19	3	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	0	0	0	0	0	0	0	1	0	6	20	4	31
0300	0	0	0	1-10	0	0	0	0	0	0	0	0	0	2	3	0	5
				11-27	0	0	0	0	0	0	0	0	0	4	20	2	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	0	0	0	0	0	0	0	0	0	6	23	2	31
0600	0	0	0	1-10	0	0	0	0	0	0	0	0	1	1	1	0	3
				11-27	0	0	0	0	0	0	1	0	0	1	20	5	27
				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	1	0	1	2	21	6	31
0900	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	0	2	2
				11-27	4	0	0	0	1	1	0	0	0	0	0	23	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	4	0	0	0	1	1	0	0	0	0	0	25	31
1200	0	0	0	1-10	3	1	1	0	0	0	0	0	0	0	1	0	6
				11-27	17	0	1	0	1	1	0	0	0	0	0	5	25
				28-47	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
				All speeds	30	1	2	0	1	1	0	0	0	0	1	5	31
1500	0	0	0	1-10	5	1	2	1	0	0	0	0	0	0	0	1	10
				11-27	9	0	0	0	0	1	0	0	0	0	0	10	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	14	1	2	1	0	1	0	0	0	0	0	12	31
1800	0	0	0	1-10	0	0	0	0	0	0	0	2	1	1	0	0	4
				11-27	0	0	0	0	0	0	1	0	0	1	10	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	0	0	0	0	0	0	1	2	1	2	10	15	31
2100	0	0	0	1-10	0	0	0	0	0	0	0	1	2	1	2	2	8
				11-27	0	0	0	0	0	0	0	0	0	5	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	0	0	0	0	0	0	0	1	2	6	2	10	31

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

QUSEIR — JANUARY 1961

Hour (U.T.)	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	1	1	15	3	4	25
				11–27	0	0	0	0	0	0	0	0	0	2	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**17**	**3**	**8**	**31**
0300	0	0	0	1–10	0	0	0	0	0	0	0	0	0	15	9	2	26
				11–27	0	0	0	0	0	0	0	0	0	2	0	3	0
				28–47	0	0	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**17**	**9**	**5**	**31**
0600	1	0	0	1–10	0	0	0	0	0	0	0	0	2	13	3	2	20
				11–27	1	0	0	0	0	0	0	0	0	0	4	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**13**	**7**	**7**	**30**
0900	0	0	0	1–10	2	1	0	0	0	0	0	0	0	2	0	3	8
				11–27	8	0	0	0	0	1	0	0	0	1	0	13	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	**10**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**3**	**0**	**16**	**31**
1200	0	0	0	1–10	1	2	3	3	0	0	0	0	0	0	0	4	18
				11–27	13	2	0	0	0	0	0	0	0	0	0	3	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	**14**	**4**	**3**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**31**
1500	0	0	0	1–10	12	2	0	2	0	0	0	0	0	0	1	1	18
				11–27	5	0	0	0	1	0	0	0	0	0	0	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	**17**	**2**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**8**	**31**
1800	2	0	0	1–10	1	0	0	0	0	1	0	0	0	11	4	5	22
				11–27	2	0	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	**3**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**12**	**5**	**8**	**29**
2100	2	0	0	1–10	0	0	0	0	0	0	0	0	0	12	9	2	23
				11–27	0	0	0	0	0	0	0	0	0	0	3	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**12**	**5**	**29**

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ALEPPO (A) — 0000 U.T. — JANUARY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	* 973mb	* 981mb	* 958mb	31	3.7	8.4	— 1.6	31	1.9
1000	—	—	—	—	—	—	—	—	—	—
850	31	1482	1537	1370	31	1.1	6.4	— 7.2	31	— 5.5
700	31	3022	3099	2913	31	— 6.6	— 1.4	—15.4	31	—17.1
600	31	4212	4303	4024	31	—13.8	— 8.8	—24.0	31	—26.8
500	31	5569	5679	5332	31	—23.6	—19.9	—32.6	31	—36.1
400	31	7163	7301	6874	31	—35.2	—30.8	—40.9	31	—46.4
300	31	9108	9277	8795	31	—48.8	—41.5	—53.5	31	—58.8
200	31	11707	11910	11444	31	—56.9	—47.9	—63.6	—	—
150	30	13526	13705	13317	30	—57.0	—51.8	—62.0	—	—
100	30	16072	16275	15891	30	—60.5	—57.1	—67.4	—	—
60	29	19258	19425	19100	29	—61·0	—58.2	—65.1	—	—
40	29	21826	22190	21650	29	—60.5	—56.5	—64.6	—	—
30	27	23556	23772	23383	27	—59.8	—55.1	—64.3	—	—
20	5	26902	26103	25854	5	—60.5	—55.9	—65.9	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ALEPPO (A) — 1200 U.T. — JANUARY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	* 972mb	* 981mb	* 961mb	31	9.2	15.4	— 1.0	31	2.4
1000	—	—	—	—	—	—	—	—	—	—
850	31	1481	1541	1386	31	0.8	7.0	— 8.0	30	— 5.6
700	31	3021	3072	2911	31	— 6.0	— 1.2	—14.2	30	—19.6
600	31	4211	4311	4088	31	—13.7	— 9.1	—20.6	30	—28.2
500	31	5572	5689	5414	31	—23.1	—17.3	—30.3	30	—36.4
400	31	7168	7310	6977	31	—34.6	—29.5	—41.9	30	—47.0
300	31	9118	9290	8874	31	—48.5	—39.7	—54.0	30	—59.7
200	31	11720	11884	11464	31	—56.9	—48.0	—64.1	—	—
150	30	13540	13688	13323	30	—57.1	—51.4	—62.6	—	—
100	30	16089	16257	15901	30	—59.9	—56.8	—65.0	—	—
60	30	19292	19190	19100	30	—60.7	—55.0	—64.1	—	—
40	28	21860	22090	21650	28	—60.3	—55.3	—64.4	—	—
30	27	23592	23825	23380	27	—59.1	—51.3	—64.6	—	—
20	15	26115	26322	25855	15	—59.7	—53.0	—70.3	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A)—0000 U.T.— JANUARY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	30	1009mb*	1021mb*	1002mb*	30	11.4	16.6	7.2	30	7.6
1000	30	164	218	59	30	11.5	15.3	7.5	30	6.8
850	30	1503	1563	1403	30	4.0	13.0	— 3.5	27	— 2.7
700	30	3058	3148	2966	29	— 8.0	2.5	—11.5	21	—15.8
600	30	4257	4371	4175	29	—12.7	— 7.2	—33.3	17	—21.5
500	30	5564	5751	5517	29	—21.0	—16.0	—28.1	11	—29.5
400	30	7245	7497	7107	30	—32.4	—20.2	—39.6	11	—39.8
300	30	9217	9462	8967	30	—42.3	—33.0	—50.0	—	—
200	30	11839	12198	11570	30	—58.8	—49.8	—66.0	—	—
150	30	13660	14019	13418	30	—59.5	—54.1	—68.4	—	—
100	30	16158	16588	15952	30	—64.8	—58.0	—71.8	—	—
60	27	19262	19459	19044	27	—63.3	—55.0	—68.9	—	—
40	15	21767	21887	21566	15	—63.2	—57.0	—67.4	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A)— 1200 U.T. — JANUARY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	1014mb*	1020mb*	1002mb*	31	16.9	19.6	12.3	31	8.2
1000	31	163	211	59	31	15.6	19.0	10.9	31	7.5
850	31	1514	1571	1408	31	5.0	13.0	— 1.0	28	— 0.6
700	31	3078	3222	3000	31	— 6.8	3.3	—10.3	19	—14.9
600	31	4279	4425	4146	31	—11.1	— 4.9	—16.9	15	—22.7
500	31	5645	5795	5415	31	—20.3	—14.6	—27.2	11	—25.1
400	31	7271	7425	7097	31	—31.5	—24.5	—40.4	10	—18.2
300	31	9219	9430	9028	31	—43.2	—31.2	—51.0	—	—
200	31	11879	12043	11653	31	—60.3	—46.8	—62.7	—	—
150	31	13694	13842	13475	31	—58.1	—53.8	—65.0	—	—
100	31	16223	16339	16000	31	—63.6	—57.5	—66.9	—	—
60	27	19331	19476	19218	27	—63.0	—59.1	—67.3	—	—
40	22	21889	22027	21822	22	—59.5	—52.0	—64.6	—	—
30	11	23687	23857	23588	11	—58.5	—54.2	—63.7	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1. — UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 0000 U.T. — JANUARY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	17	1002mb*	1007mb*	995mb*	17	11.7	14.6	8.4	17	5.9
1000	17	156	199	100	14	11.7	14.6	8.5	14	6.3
850	17	1507	1561	1447	16	5.9	10.7	0.2	15	— 2.0
700	17	3080	3136	3036	17	— 1.1	2.4	— 4.8	10	—11.4
600	17	4282	4360	4240	17	— 8.2	— 4.6	—13.7	8	—18.4
500	17	5685	5768	5590	17	—17.5	—13.2	—23.8	8	—26.2
400	17	7324	7422	7191	17	—27.0	—23.7	—36.3	5	—33.9
300	17	9327	9429	9130	17	—42.0	—38.8	—46.2	2	—39.7
200	14	11977	12064	11857	14	—54.2	—46.1	—59.7	—	—
150	11	11977	13892	13685	11	—59.0	—54.9	—65.5	—	—
100	5	13817	16379	16621	5	—65.9	—59·5	—72.8	—	—
60	—	16323	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—
30	—	—	+	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 1200 U.T. — JANUARY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	22	1000mb*	1006mb*	996mb*	22	17.9	21.0	12.1	22	6.1
1000	22	146	191	108	13	17.8	21.0	13.8	13	6.1
850	22	1503	1549	1457	22	5.5	10.2	— 0.9	22	— 2.8
700	22	3076	3140	2995	22	— 1.8	3.2	— 8.0	12	—13.9
600	22	4285	4368	4179	22	— 8.9	— 4.1	—15.6	7	—21.0
500	22	5674	5671	5528	22	—17.7	—13.8	—24.0	6	—25.1
400	21	7310	7428	7130	21	—28.8	—22.2	—34.1	7	—30.7
300	21	9311	9472	9092	21	—41.8	—38.4	—45.8	—	—
200	18	11994	12169	11755	18	—53.6	—49.0	—58.4	—	—
150	12	13817	13952	13621	12	—59.2	—56.2	—64.9	—	—
100	4	16323	16421	16231	4	—67.1	—65.5	—69.6	—	—
60	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 0000 U.T. — JANUARY 1961

N=The number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	1003mb*	1007mb*	999mb*	31	14.5	19.0	10.8	31	1.9
1000	29	134	165	106	29	11.3	19.1	10.7	29	2.1
850	31	1497	1515	1459	31	11.1	16.7	5.6	19	— 2.4
700	31	3099	3139	3049	31	5.2	11.0	0.8	14	— 7.4
600	31	4345	4421	4278	31	— 1.2	6.2	— 5.0	13	—10.7
500	31	5778	5882	5698	31	— 9.3	— 3.0	—13.7	15	—17.1
400	31	7471	7616	7368	31	—19.8	—11.5	—24.2	14	—27.8
300	31	9553	9750	9416	31	—32.8	—21.1	—40.5	—	—
200	29	12316	12659	12044	29	—49.7	—35.1	—59.2	—	—
150	24	14148	14620	13814	24	—58.8	—44.2	—73.0	—	—
100	12	16697	16996	16329	12	—63.8	—59.6	—81.0	—	—
60	4	19933	20017	19859	4	—62.6	—59.6	—65.6	—	—
40	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A)— 1200 U.T. — JANUARY 1961

N=The number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	28	1002mb*	1006mb*	998mb*	28	25.0	33.8	18.1	28	7.0
1000	24	132	158	106	24	23.8	28.7	18.0	24	5.6
850	28	1527	1555	1485	28	16.5	26.8	11.1	14	— 6.7
700	28	3158	3227	3083	28	10.0	16.7	5.1	6	—12.5
600	28	4422	4522	4328	28	3.4	8.8	— 2.5	13	—16.5
500	28	5879	6004	5754	28	— 5.4	0.2	—16.2	9	—21.1
400	28	7602	7758	7435	28	—15.3	— 8.8	—22.6	6	—28.3
300	28	9719	9922	9490	28	—28.4	—21.0	—27.5	—	—
200	24	12538	12780	12227	24	—46.1	—35.3	—58.1	—	—
150	16	14428	14712	14067	16	—52.8	—43.3	—71.0	—	—
100	7	17219	17582	16984	7	—54.1	—48.7	—56.2	—	—
60	2	20683	20735	20631	2	—48.6	—48.0	—49.3	—	—
40	2	23380	23312	23418	2	—44.6	—42.6	—45.4	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

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 1961

N = the number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Aleppo (A)	1747 (29)	824 (29)	−7.1 (29)	2710	—	—	600	—	—	10734 (31)	237 (31)	−57.7 (31)	13360	—	—	8630	—	—	—	—	—	—
Mersa Matruh (A)	2262 (30)	766 (30)	−7.1 (24)	3500	670	−7·0	1010	898	−0.1	11707 (23)	227 (23)	−57.7 (23)	13800	155	−59.9	9400	285	−48.5	11500	208	270	152
Helwan	2840 (17)	723 (17)	−8·3 (10)	3560	660	—	1550	847	0.0	11742 (12)	210 (12)	−63.4 (12)	13560	158	−60.8	8260	341	−46.0	11800	204	270	150
Aswan (A)	4111 (31)	615 (31)	−10.8 (13)	5350	536	−10·0	3300	680	—	13866 (10)	164 (10)	−54.4 (10)	19650	62	−46.6	11850	212	−65.2	12400	198	280	104

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 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Aleppo (A)	1676 (30)	832 (30)	— 7.4 (29)	2890	—	—	590	—	—	10858 (31)	235 (31)	—57.4 (31)	13560	—	—	6985	—	—	8130	337	260	120
Mersa Matruh (A)	2487 (31)	756 (31)	— 8.7 (23)	3500	668	—16.4	1390	864	— 2.6	10778 (26)	237 (26)	—55.1 (26)	13070	170	—61.5	9010	303	—48.8	13370	157	260	160
Helwan	2711 (22)	709 (22)	— 9.1 (11)	3690	653	—25.1	1380	865	— 4.3	11506 (16)	219 (16)	—54.6 (16)	13740	155	—66.4	8700	320	—41.5	9700	283	270	174
Aswan (A)	5015 (28)	556 (28)	—16.6 (8)	6000	496	—	3950	631	—	13481 (9)	176 (9)	—49.0 (9)	15470	127	—38.7	12440	207	—60.0	12300	214	260	117

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. — JANUARY 1961

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	4	11	2	16	3	10	3	9	2	8	0	—	0	—	1	20	0	—	1	12	0	—	—	—	15	31	6
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	1	13	0	—	1	7	1	11	1	30	1	8	2	6	1	8	0	—	3	15	1	20	2	10	0	14	12
700	1	21	0	—	1	8	1	7	1	25	0	—	1	12	2	13	2	23	2	32	0	—	1	22	0	12	19
600	0	—	0	—	1	5	0	—	0	—	1	33	1	10	2	10	1	34	0	—	1	20	2	28	0	9	20
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	40	1	12	1	30	0	3	27
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	16	1	30	0	—	0	2	23
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. — JANUARY 1961

N=The number of cases the wind has been observed from the range of direction during the month.
TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	3	11	2	4	3	12	9	8	3	11	1	20	1	17	0	—	0	—	0	—	3	12	1	10	5	31	9
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	1	24	3	12	1	10	2	11	0	—	3	13	1	17	2	16	3	24	0	—	1	5	4	11	0	21	14
700	3	19	0	—	0	—	1	18	0	—	2	16	1	18	0	—	3	30	2	7	1	10	3	11	0	16	18
600	0	—	0	—	0	—	0	—	1	11	1	15	1	18	2	29	3	25	2	20	1	21	5	20	0	16	21
500	1	16	0	—	0	—	0	—	0	—	2	15	2	42	0	—	1	66	2	13	2	23	4	29	0	14	27
400	0	—	0	—	1	5	0	—	0	—	1	22	1	13	1	27	1	14	3	41	4	30	1	42	0	13	28
300	0	—	0	—	0	—	0	—	0	—	0	—	1	34	0	—	3	15	5	46	1	32	2	67	0	12	40
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	50	4	55	2	73	0	—	0	7	59
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	50	3	62	1	76	0	—	0	5	63
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	40	3	45	1	48	0	—	0	5	44
60	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	25	0	—	0	—	0	1	25
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.— JANUARY 1961

N = the number of cases the wind has been observed from the range of direction during the month.

TN = the total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	1	23	0	—	1	4	1	3	1	22	2	8	1	6	5	14	11	11	4	11	1	4	1	19	1	30	11
1000	1	23	0	—	1	6	1	4	1	25	2	10	1	6	5	14	11	12	4	12	1	5	1	21	1	30	12
850	0	—	0	—	3	5	0	—	1	14	0	—	0	—	1	19	4	17	6	15	8	12	4	12	3	30	12
700	0	—	0	—	0	—	1	3	0	—	0	—	3	32	3	18	7	22	6	20	5	15	3	13	2	30	18
600	0	—	0	—	0	—	0	—	0	—	0	—	2	25	2	44	9	28	8	32	7	21	1	14	1	30	27
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	49	9	42	13	52	4	42	1	34	0	30	38
400	0	-	0	—	0	—	0	—	0	—	0	—	0	—	3	68	9	49	12	50	5	45	1	61	0	30	51
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	68	9	83	9	67	4	63	1	71	0	26	72
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	73	3	80	5	87	2	120	1	25	0	13	83
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	77	5	85	2	70	0	—	0	9	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

MERSA MATRUH (A) — 1200 U.T. — JANURAY 1961.

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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 of station...	2	8	1	9	1	4	1	4	2	17	1	13	2	8	0	—	4	10	5	17	7	12	5	11	0	31	12
1000...	2	8	1	9	1	4	1	4	2	17	1	14	2	8	0	—	4	10	5	17	7	12	5	12	0	31	12
850...	1	6	0	—	0	—	2	6	1	5	1	14	1	5	5	8	3	17	7	16	5	18	4	7	1	31	12
700...	0	—	0	—	0	—	0	—	1	6	0	—	2	9	2	18	4	28	12	17	8	20	2	16	0	31	18
600...	1	15	0	—	0	—	0	—	0	—	0	—	2	14	2	26	8	28	11	28	6	28	1	25	0	31	26
500...	0	—	0	—	0	—	0	—	0	—	0	—	1	23	2	34	11	41	10	32	6	34	1	28	0	31	36
400...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	44	12	55	14	53	2	46	1	27	0	31	52
300...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	48	11	83	12	63	3	48	1	46	0	29	68
200...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	90	10	74	3	75	0	—	0	19	79
150...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	85	8	97	1	69	0	—	0	12	92
100...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	75	1	45	0	—	0	—	0	2	60
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

HELWAN —0000 U.T.— JANUARY 1961

N=The number of cases the wind has been observed from the range of direction during the month.

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Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850...	2	8	4	8	0	—	1	10	1	13	1	4	0	—	1	19	0	—	2	18	2	20	2	11	0	16	12
700...	2	11	0	—	0	—	1	7	0	—	0	—	0	—	3	15	0	—	6	22	4	22	1	17	0	17	18
600...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	26	2	34	9	33	8	34	1	16	0	17	32
500...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	34	1	61	9	56	5	36	0	—	0	17	48
400...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	52	12	83	3	50	0	—	0	17	74
300...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	77	6	87	3	90	0	—	0	10	87
200...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	101	1	100	0	—	0	5	101
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.

HELWAN (A) — 1200 U.T. — JANUARL 1961

N = the number of cases the wind has been observed from the range of direction during the month.

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Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	Mean scalar wind speed (knots)
	345-014		015-014		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 of station...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	3	8	2	14	1	6	1	14	0	—	1	7	1	16	—	—	1	13	5	21	3	15	4	14	0	22	14
700	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	17	5	19	9	25	5	20	2	17	0	22	21
600	1	50	0	—	0	—	0	—	0	—	0	—	0	—	1	9	8	29	9	35	2	43	0	—	0	21	34
500	1	48	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	61	14	54	1	34	0	—	0	21	54
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	73	10	75	1	53	1	50	0	18	72
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	82	8	80	0	—	1	72	0	10	80
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	103	0	—	0	—	0	4	103
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	109	0	—	0	—	0	2	109
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 1961

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TN= The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m			
Surface of station	9	7	6	10	2	4	0	—	0	—	0	—	1	7	0	—	0	—	0	—	0	—	1	6	12	31	5
1000	11	8	6	10	2	4	0	—	0	—	0	—	1	7	0	—	0	—	0	—	0	—	0	—	9	29	5
850	5	7	5	9	3	10	1	3	0	—	0	—	2	6	2	12	3	14	3	12	1	4	6	10	0	31	9
700	1	6	1	24	0	—	0	—	0	—	0	—	0	—	0	—	8	31	12	28	5	20	4	13	0	31	23
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	34	18	39	4	23	2	27	0	31	35
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	9	54	17	49	5	37	0	—	0	31	49
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	54	18	66	6	57	0	—	0	29	62
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	75	10	71	8	63	0	—	0	23	69
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	91	4	62	1	66	0	—	0	6	67
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	66	0	—	0	—	0	2	66
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 (A)—1200 U.T.— JANUARY 1961

N= The number of cases the wind has been observed from the range of direction during the month.
TN= The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	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	M	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m			
Surface of station	17	8	3	6	0	—	1	5	0	—	0	—	1	6	0	—	0	—	0	—	1	6	0	—	5	28	5
1000	17	8	3	6	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	24	6
850	2	9	4	10	2	6	0	—	0	—	0	—	1	7	2	18	1	7	5	15	5	8	6	10	0	28	11
700	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	25	13	29	6	20	2	22	0	28	25
600	1	13	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	44	13	41	6	28	0	—	0	28	38
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	64	16	52	5	34	0	—	0	28	52
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	65	13	62	5	55	0	—	0	23	61
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	69	6	60	5	66	1	70	0	14	64
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	78	2	48	0	—	0	5	66
150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

JANUARY 1961

This month was slightly warmer and drier than normal. The daily mean air temperature at 2 metres above ground was above normal (+0.5-°C), the daily mean relative humidity was below normal (—1%) and the total rainfall was below normal (—1.2 mms.). A cold wave was distinguished from the 20th to the 24th giving the lowest daily mean, day time mean and night time mean air temperatures at 2 metres above ground on the 21st, the absolute minimum air temperatures at 5 cms. above different fields on the 23rd and the absolute minimum air temperature at 2 metres above ground on the 24th.

The minimum air temperature at 5cms. above grass (Libia) fell below 0° C on 7 days against 13 days during January 1960. The duration of air temperatures below 0° C on these days together with the actual values of minimum air temperatures are given in the following table :

Air temperatures below 0°C at 5cms. above grass (Libia)

Date	Minimum air temperature	Duration in hours (to the nearest half) of air temperature below the following limits			
		0°C	—1°C	—2°C	—3°C
5	—1.1	2.5	0	0	0
12	—0.3	0.5	0	0	0
21	—1.2	2.5	0	0	0
22	—0.5	0.5	0	0	0
23	—2.8	3.0	1.5	0.5	0
24	—1.1	1.0	0	0	0
25	—1.5	3.5	2.5	0	0

The extreme maximum soil temperatures were generally higher than the corresponding values of last year ; the maximum difference was +2.2°C at 0.3 cms. depth in the wet field. The extreme minimum soil temperatures showed irregular insignificant deviations from the corresponding values of January 1960.

The daily mean wind speed at 2 metres above ground was slightly less (—0.1 m./sec.) than the corresponding value of last January. The daily mean values of Piche evaporation and water pan evaporation were higher (+0.3, +0.06 mms. respectively), while the daily mean values of potential evaporation and potential evapo-transpiration were lower (—0.3, 0.2 mms. respectively) than the corresponding values of last January. The total actual duration of bright sunshine was 2.9 hours less than the corresponding value of January 1960.

REVIEW OF AGRO-METEOROLOGICAL STATION AT TAHRIR

JANUARY 1961

This month was warmer and drier than January 1960, with a cold wave from the 20th to the 24th giving the lowest maximum air temperature on the 20th and the absolute minimum air temperature on the 22nd.

The daily mean and lowest minimum air temperatures were both higher than the corresponding values of last January by 1.1 °C, while the highest maximum air temperature was lower by 4.0°C.

The daily mean values of relative humidity and vapour pressure were lower than the corresponding values of last January by 6% and 0.3 mms. respectively. The minimum relative humidities were the same in both years. The highest and lowest values of vapour pressure were lower than the corresponding values of January 1960 by 2.0, 0.7 mms. respectively. The daily mean Piche evaporation in the screen was 25% more and the total rainfall was 1.7 mms. less than the corresponding values of last January.

The total radiation and the total actual duration of bright sunshine were more than the corresponding values of January 1960 by 172 gm. cal./cm^2 and 25.2 hours respectively.

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

GIZA — JANUARY 1961

Date	Air temperature (°C)					Duration in hours to the nearest whole hour 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	18.8	5.4	11.8	9.9	13.4	24.0	24.0	24.0	14.5	5.5	0.0	0.0	0.0	0.9	0.0	0.0
2	20.3	9.0	14.1	12.4	16.5	24.0	24.0	24.0	22.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
3	20.9	6.4	12.9	10.5	16.0	24.0	24.0	24.0	15.5	8.0	0.5	0.0	0.0	0.0	0.0	0.0
4	21.7	4.9	12.1	10.2	15.3	24.0	24.0	24.0	12.0	7.0	1.0	0.0	0.0	0.0	0.0	0.0
5	21.0	5.6	12.3	9.4	15.9	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
6	19.7	5.4	13.2	9.6	15.6	24.0	24.0	24.0	15.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0
7	20.7	9.1	13.9	13.3	15.6	24.0	24.0	24.0	21.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
8	20.6	6.8	13.3	11.4	16.1	24.0	24.0	24.0	17.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
9	19.5	6.4	12.1	11.5	14.4	24.0	24.0	24.0	15.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0
10	19.0	7.2	12.3	10.0	14.4	24.0	24.0	24.0	16.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0
11	21.4	9.4	14.7	12.0	17.0	24.0	24.0	24.0	24.0	10.5	1.0	0.0	0.0	0.0	0.0	0.0
12	20.4	5.9	13.4	11.1	16.0	24.0	24.0	24.0	15.5	11.0	0.5	0.0	0.0	0.0	0.0	0.0
13	20.1	7.3	13.6	11.8	16.1	24.0	24.0	24.0	15.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
14	20.6	6.2	13.0	10.7	15.7	24.0	24.0	24.0	15.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
15	20.3	5.8	13.0	11.5	15.7	24.0	24.0	24.0	17.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0
16	25.0	8.6	15.1	14.1	17.1	24.0	24.0	24.0	22.0	9.0	4.5	0.0	0.0	0.0	0.0	0.0
17	22.4	11.1	15.7	14.1	18.3	24.0	24.0	24.0	24.0	10.0	2.0	0.0	0.0	0.0	0.0	0.0
18	21.1	6.7	13.8	12.9	17.0	24.0	24.0	24.0	19.0	9.5	0.5	0.0	0.0	0.0	0.0	0.0
19	21.1	8.4	13.2	11.6	16.3	24.0	24.0	24.0	17.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
20	13.4	6.1	10.9	11.3	11.7	24.0	24.0	24.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	16.5	3.7	9.7	7.3	11.7	24.0	24.0	20.5	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	15.0	4.1	10.3	9.0	12.2	24.0	24.0	22.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	17.6	3.1	10.1	7.7	12.7	24.0	24.0	19.5	12.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0
24	21.3	2.6	11.4	7.9	14.9	24.0	24.0	18.0	13.5	7.5	2.0	0.0	0.0	0.0	0.0	0.0
25	22.3	3.4	13.1	9.1	17.9	24.0	24.0	21.5	16.0	9.0	5.5	0.0	0.0	0.0	0.0	0.0
26	21.0	7.8	13.1	11.2	16.1	24.0	24.0	24.0	16.0	7.5	2.0	0.0	0.0	0.0	0.0	0.0
27	20.7	6.1	13.5	9.6	16.6	24.0	24.0	24.0	16.0	10.5	2.0	0.0	0.0	0.0	0.0	0.0
28	19.7	8.6	13.9	12.6	15.3	24.0	24.0	24.0	20.0	11.0	0.0	0.9	0.0	0.0	0.0	0.0
29	21.3	11.7	16.0	14.6	17.4	24.0	24.0	24.0	24.0	12.5	3.0	0.0	0.0	0.0	0.0	0.0
30	20.2	11.7	15.3	14.6	16.7	24.0	24.0	24.0	24.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0
31	20.0	7.4	13.3	12.7	15.5	24.0	24.0	24.0	20.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	—	—	—	—	—	744.0	744.0	726.0	241.5	249.5	24.5	0.0	0.0	0.0	0.0	0.0
Mean	20.1	6.8	13.1	11.1	15.5	24.0	24.0	23.4	17.5	8.0	0.8	0.0	0.0	0.0	0.0	0.0

Highest maximum at 2 metres 25.0 °C on 16 th. Highest minimum at 2 metres 11.7 °C on 29th, 30th.

Lowest " " " 13.4 °C on 20 th. Lowest " " " 2.6 °C on 24 th.

Absolute minimum temperature at 5 cms. above dry soil —2.1 °C on 23 rd.

" " " " " wet soil —0.4 °C on 23 rd.

" " " " " grass —2.8 °C on 23 rd.

TABLE C1.—AIR TEMPERATURES AT 2 METRES ABOVE GROUND; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms ABOVE GROUND OVER DIFFERENT FIELDS

TAHRIR—JANUARY 1961

Date	Air Temperature (°C)					Duration in hours to the nearest whole hour 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	17.9	6.3	12.2	10.5	14.3	24.0	21.0	24.0	20.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
2	19.5	10.2	14.0	12.2	16.5	24.0	24.0	24.0	24.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
3	23.0	8.3	13.6	11.3	16.5	24.0	24.0	24.0	17.5	8.5	2.0	0.0	0.0	0.0	0.0	0.0
4	21.0	8.3	13.8	11.9	16.5	24.0	24.0	24.0	20.5	9.0	0.5	0.0	0.0	0.0	0.0	0.0
5	20.5	7.4	13.4	11.3	16.3	24.0	24.0	24.0	18.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
6	20.2	7.5	13.4	10.9	16.3	24.0	24.0	24.0	16.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
7	21.8	8.5	14.4	12.1	17.2	24.0	24.0	24.0	20.0	9.0	2.5	0.0	0.0	0.0	0.0	0.0
8	21.5	8.4	14.1	12.1	17.2	24.0	24.0	24.0	19.0	9.5	2.0	0.0	0.0	0.0	0.0	0.0
9	19.2	9.3	13.3	12.1	15.9	24.0	24.0	24.0	20.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
10	21.0	6.8	13.0	10.0	16.0	24.0	24.0	24.0	15.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
11	21.5	8.9	14.5	12.7	17.2	24.0	24.0	24.0	21.0	10.0	2.0	0.0	0.0	0.0	0.0	0.0
12	20.3	8.6	13.9	11.7	17.0	24.0	24.0	24.0	19.5	9.5	0.0	0.0	0.0	0.0	0.0	0.0
13	19.5	9.0	14.2	12.6	17.0	24.0	24.0	24.0	22.5	9.5	0.0	0.0	0.0	0.0	0.0	0.0
14	19.5	5.9	12.2	9.5	15.7	24.0	24.0	24.0	14.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
15	20.0	6.5	13.2	10.2	16.2	24.0	24.0	24.0	15.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0
16	20.5	9.4	13.8	12.4	15.9	24.0	24.0	24.0	21.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
17	21.5	10.9	15.6	13.1	18.3	24.0	24.0	24.0	24.0	10.5	4.0	0.0	0.0	0.0	0.0	0.0
18	22.4	8.8	14.6	12.9	17.5	24.0	24.0	24.0	21.0	9.5	4.0	0.0	0.0	0.0	0.0	0.0
19	20.5	10.0	13.7	12.5	16.0	24.0	24.0	24.0	24.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
20	14.2	7.2	11.2	12.1	12.2	24.0	24.0	24.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	15.2	5.5	9.3	7.6	11.4	24.0	24.0	24.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	16.0	4.1	8.9	7.0	11.4	24.0	24.0	20.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	17.0	4.2	10.0	6.9	13.3	24.0	24.0	20.5	11.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0
24	20.4	4.3	11.4	7.6	15.1	24.0	24.0	22.0	12.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
25	20.4	5.5	13.0	8.9	17.1	24.0	24.0	24.0	16.0	10.5	0.5	0.0	0.0	0.0	0.0	0.0
26	20.4	8.8	13.7	11.7	16.6	24.0	24.0	24.0	19.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
27	21.5	7.1	14.2	11.2	17.2	24.0	24.0	24.0	18.5	10.5	3.0	0.0	0.0	0.0	0.0	0.0
28	20.0	9.5	14.3	12.5	16.5	24.0	24.0	24.0	23.5	9.5	0.0	0.0	0.0	0.0	0.0	0.0
29	20.5	12.2	15.4	13.6	17.4	24.0	24.0	24.0	24.0	11.5	0.5	0.0	0.0	0.0	0.0	0.0
30	19.3	10.4	14.4	13.7	16.2	24.0	24.0	24.0	24.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
31	20.5	8.8	13.5	11.7	15.9	24.0	24.0	24.0	19.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
Total ..	—	—	—	—	—	744.0	744.0	734.5	581.5	248.0	21.0	0.0	0.0	0.0	0.0	0.0
Mean ..	19.9	8.0	13.2	11.2	15.9	24	24	23.7	18.8	8.0	0.7	0.0	0.0	0.0	0.0	0.0

Highest maximum at 2 metres 23.0°C. on 3rd

Lowest ,, ,, ,, ,, 14.2°C on 20th

Highest minimum at 2 metres 12.2°C on 29th.

Lowest minimum at 2 metres 4.1°C on 22nd.

Absolute, minimum temperature at 5 cms. above dry soil 1.6 °C on 22 nd.

,, ,, ,, ,, ,, ,, wet soil — °C on —

,, ,, ,, ,, ,, ,, grass — °C on —

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

GIZA — JANUARY 1961.

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	2.2	4.3	280	8.0	10.2	78	0	0	64	45	6.3	6.8	8.0	2.70	0.1
2	2.3	2.0	2.8	228	7.3	10.3	71	2	4	78	60	9.0	9.3	3.2	2.82	0.2
3	0.8	0.3	1.5	275	9.1	10.3	88	7	12	84	49	8.4	8.6	3.0	2.01	0.0
4	1.2	0.1	2.8	256	7.2	10.3	70	9	11	83	35	6.9	6.4	4.9	3.78	0.0
5	0.9	0.3	1.8	307	9.5	10.3	92	1	12	78	39	7.4	6.8	4.6	2.95	0.0
6	1.1	0.0	2.5	232	6.3	10.3	61	9	11	82	56	8.9	9.0	4.6	2.23	0.0
7	1.8	1.3	2.5	261	7.0	10.3	68	9	12	88	54	9.2	9.3	3.4	2.13	0.0
8	1.2	0.3	2.4	282	9.2	10.3	89	9	13	88	55	9.2	9.4	3.8	2.92	0.0
9	1.3	0.2	2.8	222	6.0	10.4	58	9	11	76	33	6.5	5.1	5.6	3.35	0.0
10	2.0	1.0	2.5	247	6.4	10.4	62	0	1	72	51	7.3	8.6	4.6	2.07	0.0
11	1.4	0.8	2.2	283	8.8	10.4	85	1	3	76	44	8.2	7.7	5.1	1.93	0.0
12	1.3	0.4	2.6	267	7.7	10.4	74	9	11	78	44	8.0	7.7	6.1	2.64	0.0
13	2.2	1.2	3.5	256	7.4	10.4	71	4	10	77	40	7.4	6.4	7.1	3.13	0.0
14	2.1	1.4	3.2	289	9.3	10.4	89	4	10	81	45	8.0	7.9	6.1	4.05	0.0
15	1.8	1.2	2.7	278	8.3	10.4	80	7	9	80	56	8.7	9.5	6.8	3.69	0.0
16	1.6	2.0	1.1	240	6.7	10.4	64	0	4	79	35	7.9	7.4	5.2	2.19	0.0
17	1.6	1.2	2.1	224	5.6	10.5	53	0	3	64	55	8.4	9.8	4.1	2.56	0.0
18	0.5	0.1	1.2	279	7.0	10.5	67	6	9	82	46	8.4	7.8	4.0	2.76	tr
19	1.3	0.3	2.5	209	5.1	10.5	49	0	11	80	46	8.2	8.0	4.1	2.10	0.8
20	1.2	0.5	2.1	106	0.3	10.5	3	4	16	83	71	8.0	7.7	0.6	0.57	1.1
21	1.4	0.7	2.5	285	7.8	10.5	74	8	9	79	52	6.5	6.2	5.1	2.43	0.0
22	1.9	1.1	3.0	237	6.0	10.6	57	2	8	73	44	5.9	5.4	5.7	3.19	0.0
23	2.0	1.0	3.4	320	9.7	10.6	92	0	7	66	37	5.[illegible]	5.3	7.5	3.48	0.0
24	1.6	1.4	1.9	325	9.6	10.6	91	2	9	64	24	5.0	4.3	7.5	3.32	0.0
25	2.0	0.8	5.2	290	8.0	10.6	75	0	3	45	20	4.3	3.8	14.2	6.15	0.0
26	2.4	1.6	3.5	302	7.6	10.6	72	0	1	55	43	6.2	7.6	6.9	3.48	0.0
27	1.0	0.3	2.1	273	5.9	10.6	56	0	7	70	46	7.8	8.0	5.1	4.46	0.0
28	2.1	1.2	3.4	192	1.8	10.7	17	9	11	82	55	8.9	9.2	6.2	3.11	0.0
29	2.4	2.1	2.8	240	6.1	10.7	57	0	3	71	48	8.8	8.7	6.3	3.37	0.0
30	2.3	1.9	2.8	320	8.7	10.7	81	1	9	78	54	9.4	9.2	5.7	3.17	0.0
31	1.9	1.3	2.7	311	7.3	10.7	68	5	11	80	52	8.[illegible]	8.3	5.4	2.79	tr
Total ...	—	—	—	8114	220.7	334.4	2112	117	251	—	—	—	—	170.5	90.83	2.2
Mean ...	1.7	1.0	2.7	261.7	7.1	10.5	68	3.8	8.1	75	46	7.7	7.6	5.5	2.93	0.1

Maximum amount of rainfall in one day	1·1	mms.	on 20th.
Lowest value of relative humidity	20	%	on 25th.
Highest „ „ vapour pressure	11.2	mms.	on 17th.
Lowest „ „ „ „	3.8	mms.	on 25th.

TABLE C2.—WIND SPEED, (SOLAR+SKY) RADIATION, DURATION OF BIRGHT SUNSHINE RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, EVAPORATION AND RAINFALL

TAHRIR — JANUARY 1961

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 millimeters		Evaporation in millimeters		Amount of rainfall in millimeters
	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	5.4	3.7	7.0	278	8.1	10.2	79	0	0	60	50	6.7	7.5	10.2	—	1.1
2	5.4	6.1	4.7	243	8.8	10.2	86	5	14	88	65	9.7	10.3	5.0	—	tr
3	2.2	2.7	1.8	275	9.0	10.2	88	7	13	86	49	8.5	8.6	3.2	—	0.0
4	2.5	1.0	4.0	268	7.4	10.2	73	2	9	78	38	7.3	6.3	8.7	—	0.0
5	3.4	3.1	3.8	299	9.4	10.2	92	0	6	75	54	8.3	9.2	5.9	—	0.0
6	2.0	1.7	2.4	261	8.1	10.3	79	3	13	84	52	8.8	8.6	3.9	—	0.0
7	2.0	1.5	2.4	258	8.7	10.3	84	2	14	90	54	9.6	9.4	3.8	—	0.0
8	2.0	1.9	2.2	269	9.7	10.3	94	2	14	87	53	9.4	9.1	3.8	—	0.0
9	3.6	2.3	5.0	269	7.4	10.3	72	0	9	68	31	6.2	4.6	10.2	—	0.0
10	4.0	3.4	4.5	285	8.1	10.3	79	0	0	77	46	7.6	7.6	7.0	—	0.0
11	3.8	3.3	4.2	273	8.9	10.3	86	0	8	72	54	8.1	9.0	6.0	—	tr
12	2.4	1.6	3.3	262	7.2	10.4	69	0	6	75	47	8.1	8.0	6.2	—	0.0
13	2.6	1.6	3.7	261	8.1	10.4	78	0	4	80	50	8.6	8.1	5.8	—	0.0
14	2.6	1.7	3.4	288	9.7	10.4	93	2	12	87	55	8.3	9.0	4.4	—	0.0
15	2.0	1.5	2.6	264	8.3	10.4	80	2	13	84	54	8.8	9.0	5.1	—	0.0
16	3.8	3.7	3.8	266	6.1	10.4	59	0	1	74	51	8.0	8.7	7.3	—	0.0
17	3.4	2.5	4.4	272	7.0	10.4	67	0	0	74	47	8.7	8.6	7.1	—	0.0
18	2.7	1.9	3.5	299	9.0	10.4	87	0	9	84	39	8.1	7.0	6.8	—	tr
19	3.6	1.6	5.5	233	6.4	10.5	61	0	2	76	49	8.3	8.0	7.3	—	1.5
20	3.2	2.8	3.7	142	1.1	10.5	10	3	14	92	75	8.1	7.9	2.6	—	0.0
21	3.0	2.5	3.6	300	7.9	10.5	75	6	13	86	53	6.7	6.3	3.4	—	0.0
22	1.4	1.1	1.8	242	7.3	10.5	70	2	9	82	46	6.0	5.5	3.3	—	0.0
23	2.6	2.0	3.2	296	10.1	10.5	96	2	8	80	43	6.4	6.0	5.5	—	0.0
24	2.4	0.9	4.0	316	10.1	10.6	95	4	9	69	38	6.1	6.3	9.5	—	0.0
25	4.4	1.9	6.9	—	5.3	10.6	50	0	0	38	22	4.1	3.7	19.6	—	0.0
26	4.6	3.9	5.2	300	8.7	10.6	82	0	0	58	43	6.7	7.4	9.5	—	0.0
27	1.6	1.3	1.9	258	7.0	10.6	66	0	2	74	46	8.2	8.3	4.6	—	0.0
28	2.6	1.2	3.9	233	4.9	10.6	46	5	10	82	50	8.6	8.3	6.6	—	0.0
29	3.0	2.1	3.8	251	4.4	10.7	41	0	8	78	44	8.7	7.4	6.5	—	2.5
30	3.0	2.5	3.6	317	8.6	10.7	80	4	15	86	55	9.4	9.0	5.1	—	0.0
31	3.2	2.1	4.4	340	8.6	10.7	80	2	11	75	47	8.0	8.1	7.1	—	tr
Tota	—	—	—	811.8	239.4	323.4	2297	53	246	—	—	—	—	201.0	—	6
Mean	3.0	2.3	3.8	261.9	7.7	10.4	74	1.7	7.9	77	48	7.9	7.8	6.5	—	0.2

Maximum amount of rainfall in one day .. .. 2.5 mms. on 29th.
Lowest value of relative humidity .. .. 21 % on 24th.
Highest value of vapour pressure .. .. 11.2 mms. on 17th.
Lowest value of vapour pressure .. .. 3.5 mms. on 24th.

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

GIZA—JANUARY 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	33.8	1.1	24.0	2.9	20.1	6.0
1	31.2	2.2	22.4	3.2	19.7	5.3
2	29.0	4.0	21.2	4.0	18.8	6.4
5	24.9	7.1	19.2	5.5	18.2	7.8
10	21.2	11.1	17.1	7.7	17.0	10.0
20	19.1	15.1	15.5	10.2	15.7	12.1
50	20.7	17.9	16.2	13.3	17.7	14.9
100	23.4	20.6	18.3	15.7	20.0	17.3
200	25.6	23.7	20.8	19.3	22.3	20.9
300	26.2	25.2	—	—	—	—

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

TAHRIR—JANUARY 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	30.0	3.0	—	—	—	—
1	28.7	3.4	—	—	—	—
2	27.7	3.8	—	—	—	—
5	25.2	4.9	—	—	—	—
10	22.1	7.0	—	—	—	—
20	18.3	10.9	—	—	—	—
50	17.6	14.6	—	—	—	—
100	20.3	17.4	—	—	—	—
200	23.0	20.6	—	—	—	—
300	23.8	22.2	—	—	—	—

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

GIZA - JANUARY 1961

10 Knots or more ...	22 Days.	30 Knots or more ...	0 Days.
15 „ „ ...	1 „	35 „ „ ...	0 „
20 „ „ ...	1 „	40 „ „ ...	0 „
25 „ „ ...	0 „	The highest gust 29 knots on 25th.	

Printed at the General Organisation
for Government Printing Offices, Cairo,
Managing-Director
MOHAMED EL-FATEH OMAR

G.O., Govt. Printing Offices 13023—1963—150 ex.

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 4 NUMBER 2

FEBRUARY, 1961

U. D. C. 551. 506.1 (62)

MINISTRY OF WAR—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

CONTENTS

PAGE

General Summary of Weather Conditions ... ... 1 — 5

Surface Data

TABLE A 1.—Monthly Mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level 6,7

" A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours 8,9

" A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity 10,11

" A 4.—Maximum and Minimum Air Temperatures... 12,13

" A 5.—Rainfall and Snow Depth 14,15

" A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 16

" A 7.—Soil Temperatures at Fixed Hours... 17–19

" A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena 20,21

" A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges 22,23

" A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 24–46

Upper Air Data

TABLE B 1.—Upper Air Climatological Data 47–50

" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air 51,52

" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces 53–60

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir... 61,62

TABLE C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields 63,64

" C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall... 65,66

" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields 67

" C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity 68

Note :—Refer to volume 4 number 1 for explanatory notes on the tables.

GENERAL SUMMARY OF WEATHER CONDITIONS

FEBRUARY 1961

Intensely cold and rainy - Heavy rain over the Mediterranean and precoastal districts associated with thunderstorms and lightning sometimes. Snow fall over high land in Syria. Dusty weather in general over Lower and Middle Egypt districts on the 6th and 7th.

THE MAIN FEATURES

—Subnormal maximum temperature in the Southern Region most of the month and most of its second half in the Northern Region. A slight fall of minimum temperature below 0°C in the Northern Region during the last ten days of the month.

—Abnormally high relative humidity during the first half of the month in the Northern Region and during the second half in the Southern Region. Subnormal relative humidity otherwise.

—Abnormally high monthly rainfall in general over the Mediterranean and mid-inland districts of the Republic.

—Four consecutive transits of the Mediterranean secondary depression through East Mediterranean.

—Few thunderstorm cells over high ground in the Northern Region.

—Widespread duststorms over Lower and Middle Egypt districts.

GENERAL DESCRIPTION OF WEATHER

—During this month, both Regions of the Republic suffered intensely cold air streams, originating over the Balkans and Central Mediterranean Region most of the first half of the month and over Asia Minor and southwest Russia most of the second half. The surface wind speed reached the gale force several days, and during the 6th and 7th.dusty weather was experienced in particular over the northern part of the Southern Region and extended inland in the south up to the northern parts of the Upper Egypt district.

—Frequent light rain fell over most districts of the Northern Region and the northern part of the Southern Region. It was heavy in particular in the Northern Region over the Coastal district (250-400 mms.), the Western Inland district (50-200 mms.), but less than 100 mms. elsewhere. In the Southern Region, the monthly rainfall was abnormally high at Mersa Matruh, Alexandria, Damietta and El Arish where 46, 88, 48 and 43 mms. fell respectively, exceeding normal values by 24, 62, 30 and 25 mms. respectivel-Rain was accompanied with few thundery storms over scattered localities in the Northern Region and lightning over the Mediterranean coastal strip in the Southern Region. Early morning mist patches developed for many days at Damascus and Cairo areas.

The following table gives the mean monthly district value of various meterological elements in the U.A.R and their departures from their correspsonding normal values.

District	Atmospheric pressure (mb.) Corrected to M.S.L.			Air temperature (°C)						Relative humidity (%)			Total rainfall (mms.)	
				Maximum (A)		Minimum (B)		(A+B)/2						
	Derivation of the mean values (a,c)	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Derivation of the mean values (a,e)	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	a	1018.0	+ 0.[illegible]	17.0	— 2.2	9.3	+ 0.1	13.2	— 1.0	a	66	— 1	63.9	+ 36.2
Lower Egypt	c	1018.3	+ 0.6	18.8	— 1.9	7.3	+ 0.2	13.0	— 0.8	e	78	— 1	26.1	+ 14.3
Cairo Area	a	1018.7	+ 1.5	18.2	— 2.6	8.2	— 0.2	13.2	— 1.4	a	59	— 1	11.4	+ 7.6
Upper Egypt	a	1019.2	+ 2.2	20.8	— 2.5	6.3	— 0.8	13.6	— 1.6	a	48	— 1	0.9	0.0
Western Desert	a	1019.8	+ 1.8	19.8	— 3.0	5.2	— 1.3	12.5	— 2.2	a	46	— 4	0.1	— 0.9
Red Sea	a	1017.7	+ 1.9	21.1	— 1.1	12.0	— 0.7	16.6	— 0.9	a	41	— 13	1.3	+ 0.1

a = the 24 hours mean. c = 4 main synoptic hours mean. e = 06 and 18 U.T. hours mean.

PRESSURE DISTRIBUTION

The characteristic pressure distributions over the surface map this month, can be summarized in the following :

—The Siberian anticyclone and its southwest anticyclonic ridge over the Kaspian and Black Sea regions.

—The Atlantic anticyclone stretched west Europe and Africa and its southeast anticyclonic ridge over North Africa and Mediterranean Sea.

—The travelling deep northern low pressure systems through Urasia from north Atlantic (north latitude 50 N).

—Secondary depressions over the Mediterranean and vicinities, travelling eastwards.

—Two shallow troughs of low pressure over Arabia and Great Sahara of Africa respectively.

In the upper levels, the upper pressure patterns were more simple and at each of the 700 & 500 mb. levels, two upper lows appeared, one in the north Atlantic and the other in north Russia, separated by a rather stationary block in between. In addition, upper troughs or upper minor lows developed in the middle latitudes region.

During the first half of the month, four secondary depressions of the Mediterranean origin traversed its eastern sector where the pressure field was affected directly and continued below its normal particularly over the Mediterranean coastal and the mid inland districts of the Republic. The variability in the M.S.L. barometric pressure accordingly was pronounced and its decrease below normal ranged between 3 & 15 mbs.

The first Mediterranean secondary depression this month appeared over Greece on the 2nd and remained stationary up till the 4 th while enlarging its sector, and by the 5th, it occupied the Mediterranean sector between Crete and Cyprus. On the 6th it deepened appreciably while it was proceeding eastwards and by the 7th it approached Cyprus where it started to fill rapidly showing no material displacement through Asia Minor.

The second Mediterranean secondary depression this month developed over Central Mediterranean on the 8th. This depression acquired on the 9th more than one centre, but it showed a pronounced enlargement in its warm sector. On the 10th, it traversed East Mediterranean as a rather deep Cyprus depression.

The third Mediterranean secondary depression this month originated over Central Mediterranean on the 10th, then it followed a southeast track. On the 11th, it was held over the Mediterranean Sea in the vicinities of Cyrenica, then it shooted rapidly eastwards and reached Cyprus by the 12th where it filled up rapidly.

The fourth Mediterranean secondary depression this month appeared in the Mediterranean vicinities of Cyrenica on the 13th, then it showed an abnormal rapid eastward displacement and by the 14th, it reached Cyprus where it remained stationary up till the 16th, its day of total filling.

During the second half of the month, high pressure established over Europe, west Russia, the Mediterranean Sea and the North Africa coastal strip, amalgamating with the Siberia anticyclone from the east and the Atlantic anticyclone from the west. Accordingly the barometric pressure continued above its normal over East Mediterranean in general and U.A.R. Regions in particular, its variability was pronounced and its rise above normal values ranged between 5 & 15 mbs.

SURFACE WIND

NORTHERN REGION

During this month, the prevailing winds were light/moderate in general; SEly, Sly and SWly most of the 1st half of the month; NWly round period (16th-18h) and N/NEly from 19th till the end of the month. Fresh/strong winds blew in advance and during the passage of the Mediterranean travelling secondary depressions or troughs of low pressure through the Region. Gale wind reached 36 knots gusting to 43 over Kattinah on the 15th.

SOUTHERN REGION

During this month, the prevailing winds were light moderate in general, Sly and SWly most of the first half of the month, N/NWly round periods (14th-19th) & (23rd-28th) and N/NEly otherwise. Fresh strong winds blew in advance and in association with the Mediterranean secondary depressions' transits through the Region.

During short periods of the nights and early mornings, the surface wind was calm over scattered localities particularly in the Western Desert, Cairo Area and Upper Egypt districts.

Gales were reported at both Sollum and Sidi Barrani on the 6th; Mersa Matrh on the 6th and 7th; Alexandria on the 7th; Port Said on the 7th & 8th; Abu Sueir, Zaher, Inshas and Kabrit on the 7th; Fayed on the 7th, 10th & 14th; Mostafa Helmi on the 6th & 7th; Siwa on the 6th; Bahariya on the 6th and 7th; Kharga on the 7th; and at Hurghada on the 23rd.

TEMPERATURE

NORTHERN REGION

Maximum temperature oscillated below its normal over the Mediterranean and mid inland districts and its values ranged between 12 & 19°C and between 6 & 16°C respectively in general with the exception of an intensely cold interval round the 27th & 28th. Over the far inland districts of the Region, it oscillated above its normal most of the 1st half of the month and below normal during the 2nd half and its values ranged generally between 10 & 20°C. The absolute maximum temperature for the Region was 23.5°C reported at Himmah (195 metres below sea level) on the 7th.

Minimum temperature oscillated below its normal generally over the Coastal district and its values ranged between 3 & 12°C. Over the mid inland districts it oscillated round its normal most of the 1st half of the month and below its normal the 2nd half and its values ranged between -2 & 7°C. Over the far inland districts it oscillated above its normal the 1st half of the month and below its normal the 2nd half; and its values ranged between-1 & 7°C. The absolute minimum temperature for the Region was-6.5°C reported at Nabek (Western Inland district) on the 28th.

SOUTHERN REGION

Maximum temperature oscillated below its normal over the Mediterranean district and its values ranged between 15 & 21°C. Over the mid inland and far inland districts it oscillated below its normal with the exception of period (4th & 5th) and its values ranged between 16 & 21°C and between 20 & 25°C respectively. The absolute maximum temperature for the Region was 28.4°C reported at Mallawi on the 5th.

Minimum temperature oscillated above its normal the 1st week and below its normal otherwise over the Mediterranean district, and its values ranged between 5 & 13°C. Over the mid inland districts it oscillated round its normal the 1st half of the month and below its normal the 2nd half, and its values ranged between 4 & 14°C. Over the far inland districts, it was almost

subnormal and its values ranged between 5 & 10°C. The absolute minimum temperature for the Region was-2.7°C reported at Dakhla on the 11th.

PRECIPITATION

SOUTHERN REGION

Frequent moderate rain (0.5-9.5 mms.) fell over most districts of the Northern Region most of the first three weeks. Rain was heavy in particular over the Coastal and the Western Inland districts round the periods 3rd, 7th & (13th-16th). Snow fell over high lands in the western and northern sectors of the Region. The monthly rainfall exceeded its normal over most districts and its absolute value for the Region was 393.6 mms. reported at Shukran (Coastal district). The absolute daily rainfall for the Region was 106 mms. reported at Slenfah on the 3rd.

SOUTHERN REGION

Light/moderate rain fell over the Mediterranean coastal strip most days of the month and extended inland in the south up to Cairo Area most of the first half of the month. Rain was heavy in particular over scattered localities in the Mediterranean and Lower Egypt districts on the 1st, 6th,7th,26th & 27th. The monthly rainfall exceeded its normal in most places of the northern districts including Cairo Area. The absolute monthly rainfall for the Region was 149.8 mms. reported at Mex where the absolute daily rainfall (55.0 mms.) was reported on the 7th.

MISCELLANEOUS WEATHER PHENOMENA

SOUTHERN REGION

Hail fell at Abu Sueir on the 14th.

Thunderstorms occurred at : Mersa Matruh on the 7th ; Alexandria on the 7th, 8th, & 12th. Ghazza on the 1st, 8th & 14th ; and at Abu Sueir on the 14th.

Mist patches developed at : Abu Sueir on the 20 th, 24th & 25th ; Zaher on the 17th, 18th, 27th & 28th; Cairo (A) on the 1st, 2nd, 18th, 20th, 22nd, 23rd & 28th ; Mostafa Helmi on the (17th-25th) ; Almaza on the 22nd ; Giza on the 20th, 24th & 27 th ; Beni Suef on the 25th ; and at Farafra on the 14th.

Local rising sand or dust was reported at : Port Said on the 7th & 8th ; El Arish on the 7th & 16th ; Ghazza on the 7th, 13th, 14th & 16th ; Tanta on the 7th ; Tahrir on the 5th, 10th & 14th ; Abu Sueir on the 5th, 13th & 14th ; Zaher on the 5th, 6th, 12th & 15th ; Wadi El Natrun on the 6th 10th & (12th-14th) ; Inshas on the 5th, 6th, 7th & 12th ; Cairo (A) on the 2nd, 3rd, 7th & 11th ; Mostafa Helmi on the 1st, 5th 8th, 10th, (12th-14th), 18th & 21st ; both Imbaba & Giza on the 7th ; Beni Suef on the 7th & 12th ; Minya on the 7th ; Asyout on the 7th, 12th & 14th; Luxor on the 7th & 14th ; Aswan on the 26th ; Siwa on the 12th & 13th ; Bahariya on the 10th 12th & 14th ; Farafra on the 5th, 6th, 7th & 12th ; Dakhla on the 5th, 7th, 10th & 14th ; Kharga on the 5th, 12th, 14th, 21st & 23rd ; Tor on the 7th, 8th & 16th ; Hurghada on the 23rd ; and at Quseir on the 7th & 14th.

Sand or duststorms blew over : Sallum on the 6th ; Sidi Barrani on the 5th & 6th ; Mersa Matruh on the 5th, 6th & 7th ; Dekheila, Alexandria & Tahrir on the 6th & 7th ; Abu Sueir on the 7th & 8th ; Zaher, Wadi el Natrun and Inshas on the 7th; Fayed on the 7th and 14th; Kabrit on the 7th ; Mostafa Helmi on the 6th & 7th ; Luxor on the 12th ; Siwa and Bahariya on the 6th & 7th ; and over Kharga on the 7th.

M. F. TAHA
UNDER SECRETARY OF STATE
DIRECTOR GENERAL
METEOROLOGICAL DEPARTMENT

Cairo, April 1964

TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "Hp" AND TO MEAN SEA LEVEL

FEBRUARY 1961

District	Station	Altitude of Hp. (metres)	Station Pressure (mb.) (corrected to Hp.)								Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.)							
			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
MEDITERRANEAN	Sallum	6.0	1018.1	—	1018.3	+2.0	1017.7	+2.2	1018.4	+2.5	5.2	1018.6	—	1018.7	+2.0	1018.2	+2.3	1018.9	+2.6
	Sidi Barrani	22.8	1015.2	+3.1	1015.1	+2.2	1014.9	+2.7	1015.7	+3.2	14.0	1017.8	+3.1	1017.7	+2.2	1017.5	+2.7	1018.3	+3.2
	Mersa Matruh ... ... (A)	35.0	1014.5	+1.6	1014.6	+1.6	1014.4	+1.9	1015.3	+2.2	30.0	1018.2	+1.6	1018.3	+1.6	1018.1	+1.9	1019.0	+2.2
	Dabaa	18.0	1015.5	—	1015.7	—	1015.3	—	1015.9	—	17.8	1017.5	—	1017.7	—	1017.3	—	1017.9	—
	Dekheila ... ... (A)	6.0	1017.5	—	1017.8	+1.2	1017.3	+1.4	1018.1	—	5.9	1018.1	—	1018.4	+1.2	1017.9	+1.4	1018.7	—
	Alexandria ... ... (A)	7.0	1016.8	+0.9	1017.3	+1.0	1016.6	+1.1	1017.7	+1.6	6.8	1017.6	+0.9	1018.1	+1.0	1017.4	+1.1	1018.5	+1.6
	Damietta	5.0	1017.7	—	1018.0	+1.3	1017.1	+1.2	1018.3	+1.7	5.0	1018.1	—	1018.4	+1.3	1017.5	+1.2	1018.7	+1.7
	Port Said ... ... (A)	7.4	1016.7	+1.0	1017.2	+0.9	1016.4	+1.1	1017.4	+1.3	6.1	1017.4	+1.0	1017.9	+0.9	1017.1	+1.1	1018.1	+1.3
	El-Arish	17.1	1016.0	+2.6	1016.6	+0.7	1015.6	+0.8	1016.6	+1.1	17.1	1017.2	+2.6	1017.8	+0.7	1016.8	+0.8	1017.8	+1.1
	Ghazza	15.7	1015.3	—	1015.8	—	1015.1	—	1015.9	—	15.7	1017.2	—	1017.7	—	1017.0	—	1017.8	—
LOWER EGYPT	Mansoura	8.0	1016.9	—	1017.5	+0.3	1016.4	−0.2	1017.9	+0.4	7.1	1017.7	—	1018.3	+0.3	1017.2	−0.2	1018.7	+0.4
	Damanhour	6.7	1017.5	—	1018.0	+0.5	1017.0	0.0	1017.8	+0.3	6.7	1018.2	—	1018.7	+0.5	1017.7	0.0	1018.5	+0.3
	Gimmeiza	8.9	1016.5	—	1017.6	+1.1	1016.4	+1.1	1017.0	+1.0	8.9	1017.5	—	1018.6	+1.1	1017.4	+1.1	1018.0	+1.0
	Tanta	14.8	1016.3	—	1016.6	+1.5	1015.5	+1.8	1017.0	+2.4	15.4	1017.5	—	1017.8	+1.5	1016.7	+1.8	1018.2	+2.4
	Tahrir	16.0	1016.2	—	1016.7	—	1015.5	—	1016.7	—	18.6	1018.4	—	1019.0	—	1017.7	—	1019.0	—
	Shebin El Kom	17.9	1016.0	—	1016.6	+0.2	1015.6	+0.6	1016.6	+1.0	17.9	1018.3	—	1018.9	+0.2	1017.6	+0.6	1018.9	+1.0
	Zagazig	13.0	1016.5	—	1018.0	+0.9	1016.3	+1.1	1017.5	+1.3	13.0	1018.1	—	1019.6	+0.9	1017.9	+1.1	1019.1	+1.3
	Abu Sueir ... ... (A)	16.0	1016.4	—	1017.2	—	1015.7	—	1017.0	—	16.0	1018.4	—	1019.1	—	1017.6	—	1019.0	—
	Zaher ... ... (A)	23.5	1014.1	—	1014.6	—	1013.3	—	1014.5	—	23.3	1017.9	—	1018.3	—	1016.9	—	1018.2	—
	Wadi El Natrun	0.9	1019.2	—	1019.6	+3.1	1018.3	+3.7	1019.6	+4.1	0.9	1019.3	—	1019.7	+3.1	1018.4	+3.7	1019.7	+4.1
	Inshas ... ... (A)	25.5	1012.4	—	1013.1	—	1011.5	—	1012.5	—	25.6	1015.6	—	1016.2	—	1014.6	—	1016.0	—
	Fayed ... ... (A)	35.0	1016.5	—	1017.1	—	1015.4	—	1017.0	—	35.0	1019.3	—	1020.0	—	1018.3	—	1019.8	—
	Kabrit ... ... (A)	4.9	1017.5	—	1018.4	—	1016.6	—	1017.9	—	4.8	1018.8	—	1019.7	—	1017.8	—	1019.2	—
CAIRO AREA	Cairo ... ... (A)	74.5	1009.8	+1.4	1010.4	+1.5	1009.0	+1.3	1010.1	+1.6	74.0	1018.8	+1.4	1019.4	+1.5	1017.9	+1.4	1019.1	+1.8
	Mostafa Helmi ... ... (A)	164.0	998.9	—	999.4	—	998.2	—	999.3	—	164.0	1018.8	—	1019.5	—	1017.6	—	1018.9	—
	Almaza ... ... (A)	78.5	1008.9	+1.3	1009.6	+1.3	1008.1	+1.3	1009.3	+1.7	78.6	1018.5	+1.4	1019.2	+1.4	1017.4	+1.3	1018.7	+1.7
	Abbasiya (H.Q.)	26.4	1016.4	—	1017.1	—	1015.6	—	1016.7	—	26.4	1019.7	—	1020.3	—	1018.8	—	1019.9	—
	Imbaba ... ... (A)	19.0	1016.4	—	1017.2	—	1015.6	—	1016.6	—	19.0	1018.5	—	1019.3	—	1017.7	—	1018.7	—
	Giza	22.5	1018.7	—	1016.7	+2.3	1015.1	+2.0	1016.2	+2.3	22.5	1018.7	—	1019.5	+2.3	1017.9	+2.0	1019.0	+2.3
	Helwan	115.5	—	—	1006.2	+1.6	1004.3	+1.5	1005.4	+1.6	115.6	—	—	1020.2	+1.6	1018.0	+1.7	1019.2	+1.7

TABLE A 1. (*contd.*)—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "Hp" AND TO MEAN SEA LEVEL

FEBRUARY 1961

District	Station	Altitude of Hp. (metres)	Station Pressure (mb.) (corrected to Hp.)								Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.)							
			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 nomal
UPPER EGYPT	Fayoum	23.3	1016.6	—	1017.4	+2.3	1015.5	+2.4	1016.3	+2.4	23.3	1019.7	—	1020.5	+2.4	1018.5	+2.4	1019.4	+2.5
	Beni Suef	30.0	1015.6	—	1016.6	+2.3	1014.8	+2.6	1015.7	+2.7	30.0	1019.3	—	1020.3	+2.4	1018.3	+2.7	1019.3	+2.8
	Minya ... ... (A)	40.0	1014.9	+2.4	1015.3	+1.6	1013.8	+2.0	1014.3	+2.0	40.3	1019.8	+2.2	1020.4	+1.8	1018.6	+2.0	1019.2	+2.0
	Asyout (Mangabad) ... ... (A)	69.0	1011.3	+3.5	1012.7	+2.4	1010.5	+2.5	1011.4	+3.6	69.5	1019.9	+3.7	1021.2	+2.5	1018.7	+2.6	1019.7	+3.7
	Nag Hammadi	70.5	1010.9	—	1012.0	+1.2	1009.4	+1.2	1010.6	+1.8	70.5	1019.2	—	1020.4	+1.1	1017.6	+1.1	1019.1	+1.6
	Kena	74.2	—	—	1011.7	+2.1	1008.8	+2.0	1009.8	+2.3	74.2	—	—	1020.7	+2.2	1017.5	+2.2	1018.8	+2.5
	Luxor ... ... (A)	88.5	1008.0	+2.0	1009.6	+1.9	1007.2	+2.2	1008.1	+2.3	88.4	1018.8	+2.2	1020.2	+1.9	1017.5	+2.3	1018.5	+2.3
	Kom Ombo	102.6	1006.4	—	1008.0	—	1005.5	—	1006.5	—	102.6	1019.3	—	1020.3	—	1017.5	—	1018.8	—
	Aswan ... ... (A)	193.5	994.9	—	996.4	+1.9	994.1	+1.6	994.9	+1.9	193.5	1018.4	—	1019.9	+2.0	1016.7	+1.7	1018.0	+2.0
WESTERN DESERT	Siwa	—13.5	1022.1	+3.5	1022.7	+2.7	1021.5	+3.1	1021.9	+3.4	—13.3	1020.2	+3.5	1020.8	+2.7	1019.8	+3.1	1020.1	+3.3
	Bahariya	129.5	1002.6	—	1003.4	+0.2	1001.9	—0.7	1002.5	—0.2	129.5	1018.1	—	1019.3	+0.3	1017.0	—0.5	1017.7	—0.3
	Farafra	91.8	1011.1	—	1012.0	+2.5	1010.5	+2.2	1011.0	+2.4	92.1	1022.0	—	1022.9	+2.7	1021.0	+2.4	1021.6	+2.5
	Dakhla	111.5	1005.9	—	1007.0	+2.7	1005.3	+3.1	1005.7	+2.9	111.5	1019.6	—	1020.7	+2.9	1018.5	+3.3	1019.2	+3.3
	Kharga	72.8	1010.8	—	1012.0	+1.2	1009.9	+0.9	1010.6	+1.2	73.0	1019.6	—	1020.7	+1.2	1018.4	+1.2	1019.2	+1.3
RED SEA	Suez	11.0	1017.1	—	1017.8	+0.7	1016.8	+1.3	1017.4	+1.8	12.2	1018.0	—	1019.0	+0.7	1018.0	+1.3	1018.6	+1.8
	Tor	4.2	1017.4	—	1018.4	+1.7	1016.8	+1.8	1017.6	+2.4	4.2	1017.8	—	1018.8	+1.7	1017.2	+1.8	1018.0	+2.4
	Hurghada	2.8	1017.6	+3.5	1018.8	+2.4	1016.6	+2.0	1018.0	+2.8	2.8	1017.8	+3.5	1019.0	+2.4	1016.8	+2.0	1018.2	+2.8
	Quseir	11.3	1015.8	—	1017.1	+1.2	1015.2	+0.5	1016.1	+1.1	11.3	1016.8	—	1018.1	+1.2	1016.2	+0.5	1017.1	+1.1
	Abul Kizan	5.0	1016.5	—	1017.5	—	1016.1	—	1016.9	—	5.0	1017.0	—	1017.9	—	1016.7	—	1017.5	—

TABLE A 2.—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

FEBRUARY 1961

District	Station	Dry bulb temperature (°C)								Wet 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
MEDITERRANEAN	Sallum	13.0	—	10.2	— 2.3	15.0	— 3.6	13.1	— 1.8	8.6	—	8.2	— 1.4	13.8	— 2.0	9.7	— 1.6	70	—	74	+ 8	51	+ 4	62	0
	Sidi Barrani	11.5	— 0.1	10.7	— 0.2	15.6	— 2.7	13.0	— 1.4	9.5	+ 1.1	9.2	+ 1.0	11.3	— 0.3	10.4	— 0.4	7	+14	82	+16	61	+15	79	+ 9
	Mersa Matruh ... (A)	10.5	— 0.5	10.5	— 0.3	15.6	— 2.1	12.2	— 1.1	8.4	— 0.1	8.5	— 0.5	11.2	— 1.4	9.7	— 1.0	73	0	77	— 6	75	+ 3	66	— 4
	Dabaa	10.4	—	10.8	— 0.8	16.0	— 2.2	[illegible]	— 1.8	8.3	—	8.4	— 0.7	11.4	— 0.9	9.0	— 1.0	73	—	79	0	59	+ 8	71	+ 7
	Dekheila ... ... (A)	12.5	—	11.9	— 1.0	16.4	— 0.8	13.8	—	9.3	—	9.1	— 2.1	11.5	— 1.6	10.2	—	63	—	67	— 7	52	— 8	60	—
	Alexandria ... ... (A)	12.1	+ 0.3	12.3	— 0.3	17.0	— 1.0	13.3	— 0.4	9.6	— 0.5	9.8	— 0.7	12.1	— 1.0	10.7	— 0.6	71	— 9	71	— 5	53	+ 2	71	— 2
	Damietta	10.2	—	11.0	— 1.5	16.3	— 1.4	12.7	— 1.0	—	—	9.5	— 1.5	11.8	— 1.5	10.6	— 1.2	—	—	79	— 2	55	— 5	76	— 3
	Port Said ... ... (A)	12.3	— 1.5	11.8	— 2.0	16.2	— 1.3	14.0	— 1.0	9.8	— 1.9	9.4	— 2.1	11.8	— 1.5	10.8	— 1.8	71	— 6	73	— 1	56	— 4	63	—10
	El Arish	11.5	— 0.4	11.8	— 0.8	17.2	— 0.8	13.0	— 0.5	9.3	— 0.5	9.5	— 0.9	12.0	— 1.6	10.7	— 1.0	73	— 1	73	+ 2	50	— 8	68	— 6
	Ghazza	11.3	—	11.6	—	15.6	—	14.0	—	9.6	—	9.8	—	12.5	—	11.4	—	79	—	79	—	66	—	71	—
LOWER EGYPT	El Sirw	9.7	—	12.0	— 0.3	16.8	— 1.6	11.5	— 1.7	—	—	10.1	— 0.5	12.4	— 1.3	10.6	— 1.4	—	—	78	— 2	57	— 4	82	+ 2
	Sakha	8.7	—	11.3	— 0.7	18.1	— 0.9	10.9	+ 0.1	—	—	9.8	+ 0.4	12.9	— 0.5	9.4	— 0.1	—	—	82	— 3	52	0	82	— 2
	Mansoura	9.5	—	10.6	— 0.2	17.6	— 1.6	12.9	+ 0.2	—	—	8.6	— 0.5	11.8	— 1.2	10.0	— 0.3	—	—	74	— 5	45	— 4	67	— 6
	Damanhour	9.1	—	11.4	— 0.8	17.5	— 0.7	11.5	— 0.9	—	—	9.9	+ 0.9	12.3	— 0.7	9.5	— 0.7	—	—	82	+ 2	51	— 1	76	+ 1
	Gimmeiza	7.5	—	11.6	+ 0.7	18.0	— 1.2	11.9	+ 0.1	—	—	10.2	+ 0.6	14.4	0.0	11.1	+ 0.7	—	—	81	— 1	65	+ 9	91	+ 7
	Tanta	9.3	—	[illegible]	— 0.8	17.8	— 1.9	12.1	— 0.4	7.3	—	7.8	— 1.4	12.2	— 1.7	9.5	— 0.9	74	—	74	— 8	[illegible]	— 1	69	— 7
	Tahrir	10.3	—	10.5	—	17.5	—	13.3	—	8.1	—	8.4	—	11.0	—	9.9	—	72	—	73	—	43	—	62	—
	Shebin El Kom ...	8.6	—	12.5	— 1.1	18.0	— 2.0	11.9	— 1.1	—	—	10.3	— 1.7	13.1	— 0.2	10.1	— 0.1	—	—	75	— 2	[illegible]	+ 12	79	+11
	Zagazig	9.5	—	10.5	— 0.6	17.6	— 2.3	13.0	— 0.1	—	—	8.5	— 1.1	12.4	— 2.0	9.8	— 1.2	—	—	71	— 7	[illegible]	0	64	—12
	Abu Sueir ... ... (A)	10.0	—	10.5	—	18.0	—	13.3	—	8.0	—	8.5	—	11.4	—	9.5	—	74	—	72	—	39	—	58	—
	Zaher ... ... (A)	10.0	—	10.5	—	17.1	—	13.3	—	7.9	—	8.1	—	11.3	—	9.8	—	73	—	70	—	43	—	61	—
	Wadi El Natrun ...	10.7	—	10.9	— 0.5	18.0	— 2.6	13.8	— 1.8	7.8	—	8.3	— 0.6	11.3	— 1.5	9.9	— 0.4	64	—	68	— 2	38	+ 3	58	+ 4
	Inshas .. .. .. (A)	10.7	—	10.4	—	17.3	—	13.6	—	7.9	—	7.8	—	12.1	—	10.0	—	65	—	68	—	51	—	60	—
	Fayed ... ... (A)	10.6	—	11.8	—	18.4	—	13.7	—	7.9	—	8.6	—	11.2	—	9.3	—	67	—	63	—	35	—	52	—
	Kabrit ... ... (A)	11.1	—	11.2	—	18.5	—	14.0	—	8.3	—	8.1	—	11.6	—	9.8	—	66	—	62	—	38	—	55	—
CAIRO AREA	Cairo ... ... (A)	10.9	— 1.2	11.1	— 1.1	17.1	— 2.8	13.7	— 1.7	8.7	— 0.7	8.7	— 0.8	11.6	— 0.8	10.2	— 1.0	72	+ 4	70	+ 2	47	+ 8	60	+ 3
	Mostafa Helmi ... (A)	9.2	—	8.9	—	16.5	—	12.5	—	7.0	—	6.7	—	10.1	—	8.8	—	71	—	71	—	49	—	58	—
	Almaza ... ... (A)	10.8	— 1.2	10.5	— 1.4	17.3	— 2.4	13.7	— 1.7	8.1	— 1.2	7.8	— 1.2	11.4	— 1.0	9.8	— 1.1	67	— 1	67	+ 1	44	+ 7	57	+ 3
	Abbasiya ...(H.Q.) ...	11.1	—	11.8	—	18.0	—	14.2	—	8.8	—	8.9	—	12.0	—	10.4	—	72	—	66	—	44	—	59	—
	Imbaba ... ... (A)	9.1	—	10.1	—	17.6	—	12.6	—	6.8	—	7.8	—	11.5	—	9.2	—	70	—	71	—	43	—	61	—
	Giza	9.6	—	10.2	— 0.4	17.5	— 2.7	13.3	— 0.3	7.6	—	7.8	— 0.9	11.1	— 1.9	9.5	— 1.0	74	—	70	— 6	41	+ 2	58	— 7
	Helwan	—	—	9.8	— 1.3	16.6	— 2.6	13.5	— 1.7	—	—	7.6	— 0.6	10.7	— 0.8	9.6	— 0.4	—	—	72	+ 8	43	+10	57	+10

TABLE A 2 (*contd.*)—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

FEBRUARY 1961

Districts	Station	Dry bulb temperature (°C)								Wet 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
Upper Egypt	Fayoum	9.8	—	10.6	— 0.3	18.6	— 2.0	13.5	— 0.7	7.3	—	8.0	— 0.2	11.6	— 1.4	9.7	— 0.7	68	—	68	— 2	37	+ 1	58	— 1
	Beni Suef	9.0	—	9.1	— 3.1	18.7	— 3.5	13.0	— 1.5	7.1	—	7.3	— 1.3	13.0	— 0.6	10.2	0.2	74	—	76	+ 18	48	+16	68	+12
	Seds	9.1	—	10.7	+ 0.9	18.8	— 2.4	12.2	— 1.5	—	—	8.7	+ 0.7	12.7	— 1.7	9.9	— 1.1	—	—	74	— 3	45	+ 2	73	+ 4
	Minya ... ... (A)	7.9	— 0.3	9.0	— 0.3	19.4	— 2.4	12.1	— 1.5	5.8	+ 0.2	6.8	+ 0.1	11.7	— 1.3	8.6	— 0.7	71	+ 7	71	— 5	34	+ 4	60	+ 7
	Mallawi	6.9	—	8.2	—	19.8	—	11.3	—	—	—	6.8	—	13.0	—	9.2	—	—	—	81	—	41	—	74	—
	Asyout (Mangabad)(A)	10.5	— 1.5	9.6	— 1.7	18.8	— 4.2	14.3	— 2.7	6.2	— 1.4	5.9	— 1.7	10.7	— 2.4	8.6	— 2.0	47	— 3	43	— 3	29	+ 3	41	+ 2
	Shandaweel	8.3	—	9.9	— 1.7	19.5	— 3.9	11.9	— 2.4	—	—	7.8	— 1.4	12.4	— 3.2	9.4	— 2.3	—	—	73	+ 2	38	— 1	71	— 1
	Nag Hammadi	10.7	—	13.5	+ 1.9	20.7	— 1.1	12.5	— 1.5	—	—	9.6	+ 1.4	13.2	+ 0.1	9.7	— 0.5	—	—	57	— 2	37	+ 6	68	— 9
	Kena	9.0	—	12.2	+ 0.2	20.9	— 2.9	13.9	— 1.8	—	—	8.9	+ 0.3	13.0	— 1.8	9.5	— 1.5	—	—	62	+ 1	35	+ 3	53	0
	Luxor ... ... (A)	9.4	— 1.2	11.4	— 1.1	21.0	— 2.3	14.2	— 2.4	6.3	— 0.3	7.6	— 0.5	12.8	— 1.1	9.5	— 1.1	60	+ 9	55	+ 5	33	+ 4	50	+ 8
	Kom Ombo	10.0	—	12.0	—	22.3	—	15.3	—	6.0	—	7.7	—	12.2	—	9.2	—	50	—	51	—	22	—	39	—
	Aswan ... ... (A)	10.2	—	10.9	— 3.0	20.8	— 3.8	15.7	— 4.0	5.3	—	6.2	— 2.5	10.6	— 3.1	7.9	— 3.3	40	—	44	— 1	18	— 4	25	— 3
Western Desert	Siwa	10.0	— 0.3	9.2	+ 0.1	18.1	— 2.0	14.4	— 1.2	7.5	+ 0.8	7.3	+ 1.0	11.1	— 1.0	9.4	— 0.5	68	+13	75	+11	37	+ 4	48	+ 5
	Bahariya	9.6	—	8.9	— 2.2	18.6	— 1.9	14.1	— 0.3	7.4	—	7.2	— 1.0	11.5	— 1.5	9.4	— 0.4	71	—	77	+14	36	— 1	50	— 2
	Farafra	8.2	—	7.4	— 2.0	17.8	— 3.9	13.0	— 2.2	4.6	—	5.1	— 1.1	10.2	— 1.8	6.9	— 2.6	52	—	68	+ 9	31	0	34	— 8
	Dakhla	6.3	—	6.9	— 3.9	19.3	— 3.3	13.1	— 4.3	3.0	—	3.9	— 2.3	10.6	— 2.5	7.5	— 2.6	52	—	56	+ 6	26	— 1	39	+ 6
	Kharga	8.3	—	10.3	— 1.9	21.0	— 2.1	13.2	— 3.4	5.0	—	6.5	— 1.8	12.5	— 2.4	8.1	— 2.6	56	—	53	— 2	30	— 6	44	+ 1
Red Sea	Suez	—	—	12.6	— 0.5	18.0	— 1.6	15.1	— 0.6	—	—	10.2	— 0.2	12.5	— 0.5	11.5	— 0.2	—	—	72	+ 5	49	+ 7	62	+ 3
	Tor	12.6	—	13.4	— 0.9	19.1	— 1.4	16.2	— 1.1	8.6	—	9.0	— 1.3	12.5	— 2.7	10.5	— 2.3	55	—	52	— 5	42	—12	44	—12
	Hurghada	11.6	— 1.5	13.9	— 1.2	19.9	— 0.5	16.0	— 1.1	7.5	—1.8	8.8	— 1.7	11.8	— 3.3	10.0	— 2.8	53	— 5	46	— 6	31	—23	41	—17
	Quseir	14.6	—	15.9	— 2.1	20.9	— 0.8	17.4	— 1.6	8.7	—	9.3	— 3.2	12.6	— 3.6	11.1	— 3.3	39	—	36	—13	32	—22	41	—17
	Abul Kizan	—	—	21.2	— 1.0	21.3	— 1.6	20.5	— 0.9	—	—	15.7	— 2.6	15.9	— 2.6	15.3	— 2.4	—	—	54	—13	54	—10	54	—14

TABLE A 3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

FEBRUARY 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a,b,c,d	Station Pressure (corrected to Hp)		M. S. L. Pressure		Maximum (A)		Minimum (B)		(A + B) /2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a,b,c,d	Mean	Dev. from normal	Deriv. of the mean values a,b,c,d	Mean	Dev. from normal			
MEDITERRANEAN	Sallum	a	1018.2	+ 1.7	1018.7	+ 1.8	16.7	— 3.3	9.3	+ 0.1	13.0	a	12.7	— 1.1	a	9.5	1.1	a	63	— 1
	Sidi Barrani	a	1015.2	+ 0.7	1017.8	+ 0.7	16 3	— 3 4	9.0	0.0	12.2	a	12 8	— 0.8	a	10.3	— 0.1	a	72	+ 8
	Mersa Matruh (A)	a	1014.8	+ 0.6	1018.5	+ 0.6	16 6	— 2.2	8.2	— 0.2	12 4	a	12.4	— 0.9	a	9.5	— 0.9	a	66	— 1
	Dabaa	a	1015.7	—	1017.7	—	16 8	— 2.8	8.4	+ 0.6	12.6	a	12 5	— 0.4	a	9.6	0.4	a	67	0
	Dekheila (A)	a	1017.7	—	1018.3	—	17.1	— 1 5	10.0	+ 0.2	13.6	a	13.7	—	a	10.1	—	a	60	—
	Alexandria (A)	a	1017.2	+ 0.3	1018.0	+ 0.3	18 2	— 0 8	9.7	+ 0.1	14.0	a	13.7	— 0.6	a	10.5	— 0.8	a	64	— 3
	Damietta	c	1017.8	+ 1.2	1018.2	+ 1.2	16 3	— 2.8	8.1	— 0.7	12.2	c	12.6	—0.6	c	10.7	— 0.7	c	78	— 2
	Port Said (A)	a	1017.0	+ 0.7	1017.7	+ 0.7	17.2	— 1.4	10.9	— 1.2	14.0	a	13.7	— 1.1	a	10 5	— 1 6	a	64	— 7
	El Arish	a	1016.2	+ 1.2	1017.4	+ 1.2	17.7	— 2.5	9.9	+ 0.9	13.8	a	13.5	+ 0.1	a	10 5	0.4	a	66	— 6
	Ghazza	a	1015.5	—	1017.4	—	17.1	— 1.5	9.1	+ 1.1	13 1	a	13.2	—	a	10.9	—	a	74	—
LOWER EGYPT	El Sirw	—	—	—	—	—	17.9	— 1.7	7.1	— 0.4	12.5	c	12.5	— 0.3	c	10.8	— 0.1	c	80	0
	Shakha	—	—	—	—	—	18.6	— 1.4	6.9	+ 0.7	12.8	c	12.2	+ 0.6	c	10.6	+ 0.4	c	82	— 2
	Mansoura	c	1017.2	+ 0.1	1018.0	+ 0.1	18.7	— 2.0	7.8	+ 0.2	13.2	c	12.6	+ 0.2	c	10.0	— 0.3	c	70	— 6
	Damanhour	c	1017.6	+ 0.3	1018.3	+ 0.3	18.6	— 1.9	7.6	— 0.6	13.1	c	12.4	+ 0.1	c	10·6	+ 0.2	c	79	+ 1
	Gimmeiza	c	1016.9	+ 1.0	1017.9	+ 1.0	19.4	— 1.0	5.8	+ 0 2	12.6	c	12.2	+ 0.3	c	11.1	+ 0.6	c	88	+ 4
	Tanta	a	1016.4	+ 1.9	1017.5	+ 1.7	18.9	— 2.1	7.4	+ 1.0	13.2	a	12.5	+ 0.2	a	9.3	= 1.2	a	63	—16
	Tahrir	a	1016.4	—	1018.6	—	18.8	— 1.6	8.6	+ 0.7	13.7	a	13.1	—	a	9.3	—	a	57	—
	Shebin El Kom	c	1016.2	+ 0.5	1018.4	+ 0.5	19.2	— 2.1	6.5	— 1.0	12.8	c	12.8	+ 0.1	c	10.8	+ 0.6	c	77	+ 4
	Zagazig	c	1017.1	+ 0.9	1018.7	+ 0.9	19.1	— 2.3	7.5	+ 0.8	13.3	c	12.6	+ 0.1	c	9.9	+ 0.9	c	69	— 9
	Abu Sueir (A)	a	1016.6	—	1018.6	—	19.1	—	8.0	—	13.6	a	13.1	—	a	9.4	—	a	58	—
	Zaher (A)	a	1014.1	—	1017.8	—	18.5	—	8.0	—	13.2	a	13.0	—	a	9·4	—	a	59	—
	Wadi El Natrun	a	1019.2	+ 3.7	1019.3	+ 3.7	19.3	— 2.5	7.7	— 0.1	13.5	a	13.5	— 0.3	a	9.3	— 1.1	a	54	— 8
	Inshas (A)	a	1012.5	—	1015·0	—	18.2	—	8.8	—	13.0	a	13.2	—	a	9.6	—	a	60	—
	Fayed (A)	a	1016.5	—	1019.3	—	19·3	—	8.4	—	13.8	a	13.7	—	a	9.3	—	a	52	—
	Kabrit (A)	a	1017,5	—	1018.8	—	19.1	—	8.6	—	13.8	a	13·8	—	a	9.5	—	a	54	—
CAIRO AREA	Cairo (A)	a	1009.9	+ 1.1	1018.8	+ 1.1	18.1	— 2.8	8.8	— 0.6	13.4	a	13.3	— 1.6	a	9.9	— 0.8	a	63	+ 7
	Mostafa Helmi (A)	a	999.0	—	1018.7	—	17.7	—	6.9	—	12.3	a	12.0	—	a	8.2	—	a	56	—
	Almaza (A)	a	1009.0	+ 1.2	1018.5	+ 1.1	18 4	— 2.4	8.9	— 0.3	13.6	a	13.2	— 1.6	a	9.4	— 1.0	a	57	+ 8
	Abbasiya (H.Q.)	a	1016.5	—	1019.7	—	19.4	—	9.1	—	14.2	a	13.7	—	a	10.0	—	a	59	—
	Imbaba (A)	a	1016.4	—	1018 5	—	18.8	—	7.0	—	12.9	a	12.4	—	a	8.8	—	a	59	—
	Giza	a	1016.0	+ 2.2	1018.8	+ 2 2	18.8	— 2.3	7.1	+ 1.0	13.0	a	12.7	+ 0·1	a	9.0	— 1.0	a	58	—12
	Helwan	d	1005.2	+ 2.1	1019.1	+ 2.0	17.3	— 2.9	8.0	— 9.9	12.6	d	13.3	— 0.7	d	9.3	— 0.5	e	64	+ 9

a=the 24 hours mean b=8 synoptic hours mean c=4 main synoptic hours mean d=06,12 and 18 U.T. hours mean e=06 and 18 U.T. hours mean

TABLE A 3 (*contd.*)—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

FEBRUARY 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a,b,c,d	Station Pressure (corrected to Hp)		M. S. L. Pressure		Maximum (A)		Minimum (B)		(A + B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a,b,c,d	Mean	Dev. from normal	Deriv. of the mean values a,b,c,d	Mean	Dev. from normal			
UPPER EGYPT	Fayoum	a	1016.6	+2.6	1019.6	+2.6	19.9	−2.1	7.0	−0.2	13.4	a	13.2	0.0	a	9.1	−0.7	a	54	− 8
	Beni Suef	a	1015.6	+2.4	1019.2	+2.5	19.8	−2.8	6.8	+0.8	13.3	a	12.8	−0.8	a	9.5	−0.2	a	62	+ 5
	Seda	—	—	—	—	—	20.9	−2.2	5.2	−0.2	13.0	c	12.7	+0.2	c	10.4	+0.2	e	74	+ 1
	Minya (A)	a	1014.6	+1.7	1019.6	+1.8	20.0	−2.5	4.8	−0.6	12.4	a	12.3	−1.3	a	8.3	−1.1	a	54	+ 1
	Mallawi	—	—	—	—	—	21.1	—	4.0	—	12.6	c	11.6	—	c	9.8	—	e	78	—
	Asyout (Mangabad) (A)	a	1017.5	+2.1	1019.9	+2.1	19.9	−2.9	7.3	−0.1	13.6	a	13.5	−1.4	a	8.0	−1.2	a	41	− 1
	Shandaweel	—	—	—	—	—	21.5	−3.1	4.8	−1.3	13.2	c	12.4	−2.5	c	10.0	−2.2	e	72	0
	Nag Hammadi	d	1010.7	+1.4	1019.0	+1.2	21.7	−1.4	5.9	+0.5	13.8	c	14.4	+1.2	c	10.9	+1.4	e	62	+ 3
	Kena	d	1010.1	+2.1	1019.0	+2.2	22.9	−2.3	6.7	−0.9	14.8	c	14.0	−0.8	c	10.1	−0.6	e	58	+ 1
	Luxor (A)	a	1008.3	+2.5	1018.8	+2.6	21.8	−3.7	4.7	−2.1	13.2	a	14.1	−2.0	a	9.0	−1.2	a	46	+ 4
	Kom Ombo	a	1006.6	—	1018.9	—	24.0	—	6.0	—	15.0	a	14.9	—	a	8.7	—	a	37	—
	Aswan (A)	a	995.1	+1.8	1018.3	+1.8	22.1	−3.7	7.4	−3.3	14.8	a	14.6	−2.8	a	7.6	−3.1	a	30	− 8
RED SEA WESTERN DESERT	Siwa	a	1022.0	+2.0	1020.2	+2.0	19.0	−2.3	7.1	+0.2	13.0	a	13.0	0.0	a	8.8	+0.7	a	53	+ 7
	Bahariya	a	1002.7	−0.1	1018.1	0.0	19.2	−2.8	6.2	−0.2	12.7	a	13.0	−0.1	a	9.0	−0.4	a	55	− 3
	Farafra	a	1011.2	+2.4	1021.9	+2.6	18.5	−4.1	4.9	−0.4	11.7	a	11.9	−1.0	a	6.9	−1.2	a	43	− 4
	Dakhla	a	1006.0	+2.9	1019.5	+3.1	20.2	−3.7	2.7	−3.7	11.4	a	11.7	−2.6	a	6.3	−2.6	a	38	− 6
	Kharga	a	1011.0	+1.3	1019.5	+1.3	22.0	−2.3	5.3	−2.2	13.6	a	13.2	−1.6	a	8.0	−1.7	a	43	− 5
	Suez	d	1017.3	+1.5	1018.5	+1.5	19.4	−1.9	9.0	−0.7	14.2	d	15.2	+0.5	d	11.4	0.0	e	67	+ 3
	Tor	a	1017.6	+2.0	1018.0	+2.0	20.7	−1.0	9.7	+0.2	15.2	a	15.6	+0.2	a	10.2	−0.9	a	46	−10
	Hurghada	a	1017.8	+2.8	1018.0	+2.8	21.1	+0.3	9.0	−1.1	15.0	a	15.4	−1.0	a	9.6	−2.2	a	41	−13
	Quseir	a	1016.1	+0.9	1017.1	+0.9	21.4	−1.6	12.9	−1.4	17.2	a	17.2	−1.0	a	10.5	−2.7	a	37	−17
	Abul Kizin	d	1016.8	—	1017.4	—	22.8	−1.3	19.2	−0.5	21.0	d	21.0	−0.6	d	15.6	−2.3	e	54	−14

a=the 24 hours mean. b=8 synoptic hours mean. c=4 main synoptic hours mean. d=06·12 & 18 U.T. hours mean. e=06 & 18 U.T. hours mean.

TABLE A 4.—MAXIMUM AND MINIMUM AIR TEMPERATURES

FEBRUARY 1961

Division	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
MEDITERRANEAN	Sallum	21.7	4	13.4	6	0	0	0	0	0	11.9	19	6.0	10	23	0	0	0
	Sidi Barrani	22.0	4	14.1	6	0	0	0	0	0	11.9	19	6.1	10	21	0	0	0
	Mersa Matruh (A)	20.9	4	14.8	7-15	0	0	0	0	0	10.6	27	5.6	10	27	0	0	0
	Dabaa	20.7	4	14.2	16	0	0	0	0	0	11.2	22	5.3	11	24	0	0	0
	Dekheila (A)	21.2	4	14.6	28	0	0	0	0	0	13.0	17	6.9	9	12	0	0	0
	Alexandria (A)	22.3	4	14.5	27-28	0	0	0	0	0	12.7	25	5.9	21	12	0	0	0
	Damietta	22.6	5	13.6	10	0	0	0	0	0	11.0	22	4.9	11	24	1	0	0
	Port Said (A)	22.6	5	15.0	15	0	0	0	0	0	13.5	21	8.5	28	8	0	0	0
	El Arish	24.4	5	13.3	28	0	0	0	0	0	11.8	7-13	6.0	22	13	0	0	0
	Ghazza	23.3	5	13.3	28	0	0	0	0	0	12.3	24	4.3	22	18	1	0	0
LOWER EGYPT	El Sirw	24.7	5	15.5	10-16	0	0	0	0	0	11.0	22	4.5	9-11	27	2	0	0
	Sakha	25.0	5	14.8	16	0	0	0	0	0	9.7	7	4.2	12	28	1	0	0
	Mansoura	24.5	5	15.5	7	0	0	0	0	0	10.3	7	4.5	11	26	1	0	0
	Damanheur	24.4	5	15.4	1	0	0	0	0	0	9.9	18	5.4	21	28	0	0	0
	Gimmeiza	25.0	5	15.6	28	0	0	0	0	0	9.0	7-8	3.0	*	28	7	0	0
	Tanta	25.3	5	15.3	10-28	1	0	0	0	0	10.2	7	4.5	20	26	3	0	0
	Tahrir	24.7	5	15.6	10	0	0	0	0	0	10.9	7-14	6.0	21	23	0	0	0
	Shebin El Kom	25.4	5	16.3	28	1	0	0	0	0	10.6	7	2.9	20	27	6	0	0
	Zagazig	24.7	5	15.0	1	0	0	0	0	0	10.1	7	5.2	17	27	0	0	0
	Abu Sueir (A)	25.6	5	15.0	28	1	0	0	0	0	12.1	3	4.8	17	23	1	0	0
	Zaher (A)	23.9	5	15.3	1	0	0	0	0	0	11.0	7	3.8	22	24	2	0	0
	Wadi El Natrun	24.4	5	16.5	10-28	0	0	0	0	0	10.3	14	4.8	21	26	1	0	0
	Inshas (A)	24.0	5	14.6	28	0	0	0	0	0	12.2	5	5.0	22	21	0	0	0
	Fayed (A)	25.5	5	16.0	1-10-28	1	0	0	0	0	11.8	4	3.2	22	19	3	0	0
	Kabrit (A)	23.8	5	15.6	1	0	0	0	0	0	12.5	7	5.0	12	19	0	0	0
CAIRO AREA	Cairo (A)	24.1	5	14.7	1	0	0	0	0	0	11.8	4	4.7	22	22	2	0	0
	Mostafa Helmi (A)	23.0	5	14.6	1	0	0	0	0	0	9.8	5	4.5	17	28	2	0	0
	Almaza (A)	24.1	5	14.7	28	0	0	0	0	0	11.5	5	5.5	22	21	0	0	0
	Abbasiya (H. Q.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Imbaba (A)	24.6	5	14.5	1	0	0	0	0	0	11.4	7	2.8	22	27	5	0	0
	Giza	23.8	5	15.2	1	0	0	0	0	0	10.3	7	3.5	20	27	6	0	0
	Helwan	22.7	5	13.2	1	0	0	0	0	0	11.4	4	6.0	17	27	0	0	0

* = More than three days

TABLE A 4 (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES

FEBRUARY 1961

Districts	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°	[illegible]	<0°	<-5°
Upper Egypt	Fayoum	26.0	5	16.0	1	1	0	0	0	0	11.4	7	4.6	9	26	3	0	0
	Beni Suef	25.1	5	15.7	1	1	0	0	0	0	10.2	7	3.0	22	27	5	0	0
	Soda	26.5	5	17.7	1	1	0	0	0	0	10.0	7	1.7	22	27	16	0	0
	Minya (A)	26.0	5	17.3	1	1	0	0	0	0	8.3	16	2.6	20	18	15	0	0
	Mallawi	28.4	5	18.0	27-28	1	0	0	0	0	8.2	7	1.6	22	28	19	0	0
	Asyout (Mangabat) (A)	26.4	5	17.2	28	1	0	0	0	0	11.5	7	4.7	11	24	2	0	0
	Shandaweel	24.4	5	19.2	1	0	0	0	0	0	7.5	1	2.0	11-16	28	12	0	0
	Nag Hammadi	27.2	5	18.4	1	1	0	0	0	0	9.5	26	4.3	16	28	7	0	0
	Kena	25.6	5-22	19.6	7	0	0	0	0	0	9.8	26	2.9	12	28	4	0	0
	Luxor (A)	25.7	5-22	18.8	1	0	0	0	0	0	10.5	26	2.2	12-14	27	19	0	0
	Kom Ombo	27.7	5	21.4	15	1	0	0	0	0	11.0	26	2.5	12	26	9	0	0
	Aswan (A)	26.8	5	18.9	15	1	0	0	0	0	11.1	1	5.7	21	27	0	0	0
Western Desert	Siwa	22.4	1	16.5	10	0	0	0	0	0	11.0	5	4.1	18	26	3	0	0
	Bahariya	23.2	5	16.2	10	0	0	0	0	0	11.2	17	1.6	9	26	7	0	0
	Farafra	22.9	4	15.9	10	0	0	0	0	0	8.5	7	0.7	9	28	13	0	0
	Dakhla	26.5	5	17.5	16	1	0	0	0	0	8.0	7	—2.7	11	28	23	4	0
	Kharga	26.5	5	19.2	16	1	0	0	0	0	10.0	26	1.0	12	27	15	0	0
Red Sea	Suez	22.8	5	16.4	28	0	0	0	0	0	13.4	14	5.8	21	19	0	0	0
	Tor	27.2	5	17.9	1	1	0	0	0	0	14.6	26	5.8	11	16	0	0	0
	Hurghada	24.3	5	19.2	11	0	0	0	0	0	12.1	26	6.5	11	22	0	0	0
	Quseir	25.2	6	18.8	11	1	0	0	0	0	15.4	6	11.2	3-16	0	0	0	0
	Abul Kizan	24.9	22	20.8	17	0	0	0	0	0	20.8	6	17.4	2	0	0	0	0

TABLE A 5.—RAINFALL AND SNOW DEPTH

FEBRUARY 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	<0.1	≥0.1	≥1.0	≥5.0	≥10	≥25	≥50		
MEDITERRANEAN	Sallum	32.1	+19.0	12.5	6	1	14	7	2	1	0	0	0.0	—
	Sidi Barrani	41.2	+13.1	14.0	6	0	14	7	2	2	0	0	0.0	—
	Mersa Matruh... ... ... (A)	45.6	+23.6	20.1	7	2	14	10	1	1	0	0	0.0	—
	Dabaa	38.6	+16.8	16.5	7	3	8	4	3	2	0	0	0.0	—
	Dekheila ... ... (A)	60.7	+19.7	15.2	26	1	15	11	3	2	0	0	0.0	—
	Alexandria ... ... (A)	88.5	+62.5	29.0	7	2	18	10	7	2	0	0	0.0	—
	Damietta	47.5	+29.7	9.9	26	3	12	12	4	0	0	0	0.0	—
	Port Said ... ... (A)	12.1	+ 0.2	2.9	1	2	13	5	0	0	0	0	0.0	—
	El Arish	42.8	+25.6	11.6	27	1	12	5	4	2	0	0	0.0	—
	Ghazza	121.8	+34.8	25.0	14	1	17	14	9	5	1	0	0.0	—
	Ras El Hikma	53.0	—	31.2	1	0	4	4	3	2	1	0	0.0	—
	Fuka	65.5	+49.5	12.0	27	0	13	13	6	1	0	0	0.0	—
	Hammam	4.0	—12.0	2.0	7·24	0	2	2	0	0	0	0	0.0	—
	Burg El Arab	70.0	+47.0	24.5	1	0	9	8	5	2	0	0	0.0	—
	Mex...	149.8	+[illegible]	55.0	7	0	16	13	7	4	1	1	0.0	—
	Tolombat El Tabia	107.8	+71.8	15.0	28	0	13	13	10	6	0	0	0.0	—
	Kom El Tarfaia	106.5	+72.5	23.0	7	0	12	12	6	5	0	0	0.0	—
	Rosetta L.H.	89.3	+47.3	24.8	12	2	13	13	5	2	0	0	0.0	—
	Borollos L.H.	33.5	+17.5	8.5	12	1	16	12	5	0	0	0	0.0	—
	Damietta L.H.	46.1	+22.1	14.1	1	6	12	12	4	1	0	0	0.0	—
LOWER EGYPT	El Sirw	19.7	+ 8.9	3.7	10	0	8	8	0	0	0	0	0.0	—
	Sakha	23.7	+ 7.5	8.4	7	1	7	6	2	0	0	0	0.0	—
	Mansoura	18.7	+10.4	5.6	7	5	7	7	1	0	0	0	0.0	—
	Damanhour	43.3	+27.1	13.1	7	5	13	11	2	1	0	0	0.0	—
	Gimmeiza	13.5	+ 7.6	5.6	7	0	5	5	1	0	0	0	0.0	—
	Tanta	15.9	+ 8.3	5.7	7	0	13	5	1	0	0	0	0.0	—
	Tahrir	13.4	+ 7.2	7.2	7	3	12	2	1	0	0	0	0.0	—
	Shebin El Kom	18.3	+11.8	5.2	7	2	6	5	1	0	0	0	0.0	—
	Zagazig	65.8	+60.0	20.4	7	2	9	9	5	2	0	0	0.0	—
	Abu Sueir ... ... (A)	9.0	—	6.3	14	6	7	1	1	0	0	0	0.0	—
	Banha	20.9	+18.2	5.3	27	4	7	7	1	0	0	0	0.0	—
	Zaher ... ... (A)	1.6	—	0.7	27	5	3	0	0	0	0	0	0.0	—
	Wadi El Natrun	15.2	+11.5	4.0	1	5	8	5	0	0	0	0	0.0	—
	Inshas ... ... (A)	9.0	—	2.2	5	2	9	4	0	0	0	0	0.0	—
	Fayed ... ... (A)	4.1	—	0.9	15	2	8	0	0	0	0	0	0.0	—
	Kabrit ... ... (A)	4.5	—	2.1	27	2	8	1	0	0	0	0	0.0	—
	Delta Barrage	6.5	+ 4.5	3.5	27	3	2	2	0	0	0	0	0.0	—
	Tolombat El Boseili	49.7	+14.7	9.5	12	1	12	9	3	0	0	0	0.0	—
	Kafr El Dawar	60.7	+30.7	24.0	7	0	10	10	4	1	0	0	0.0	—
	Kafr El Sheikh	28.5	+12.5	9.0	7	0	8	8	2	0	0	0	0.0	—
	Kafr El Zayat	10.4	— 0.6	3.2	28	6	4	4	0	0	0	0	0.0	—
	Faqus	4.0	— 3.0	3.0	14	7	3	1	0	0	0	0	0.0	—
CAIRO AREA	Cairo ... ... (A)	12.3	+ 8.7	3.2	5	0	8	4	0	0	0	0	0.0	—
	Mostafa Helmi ... ... (A)	4.4	—	1.8	27	4	8	1	0	0	0	0	0.0	—
	Almaza ... ... (A)	15.5	+10.9	4.2	5	3	8	5	0	0	0	0	0.0	—
	Abbasiya (H.Q.) ...	7.8	—	3.5	5	1	5	3	0	0	0	0	0.0	—
	Imbaba ... ... (A)	8.8	—	2.6	27	1	7	4	0	0	0	0	0.0	—
	Giza	8.6	+ 5.2	3.2	1	4	7	4	0	0	0	0	0.0	—
	Helwan	9.4	+ 5.8	3.8	1	3	5	3	0	0	0	0	0.0	—

TABLE A 5 (*contd.*)—RAINFALL AND SNOW DEPTH

FEBRUARY 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	<0.1	≥0.1	≥1.0	≥5.0	≥10	≥25	≥50		
UPPER EGYPT	Fayoum	tr.	— 1.0	tr.	*	4	0	0	0	0	0	0	0.0	—
	Beni Suef	5.3	+ 2.6	2.0	10	1	4	2	0	0	0	0	0.0	—
	Seds	4.0	+ 2.0	3.0	5	0	2	2	0	0	0	0	0.0	—
	Minya ... ... (A)	tr.	— 1.7	tr.	1,2,9	3	0	0	0	0	0	0	0.0	—
	Mallawi	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Asyout (Mangabad) ... (A)	0.0	— 0.6	0.0	—	0	0	0	0	0	0	0	0.0	—
	Shandaweel	0.0	— 0.2	0.0	—	0	0	0	0	0	0	0	0.0	—
	Nag Hammadi	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kena	0.0	— 1.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Luxor ... ... (A)	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kom Ombo	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Aswan ... ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
WESTERN DESERT	Siwa	0.4	— 1.9	0.3	27	1	2	0	0	0	0	0	0.0	—
	Bahariya	tr.	— 1.5	tr.	5,9	2	0	0	0	0	0	0	0.0	—
	Farafra	tr.	— 0.6	tr.	9	1	0	0	0	0	0	0	0.0	—
	Dakhla	tr.	— 0.4	tr.	25	1	0	0	0	0	0	0	0.0	—
	Kharga	0.0	— 0.3	0.0	—	0	0	0	0	0	0	0	0.0	—
RED SEA	Suez...	1.0	— 2.6	1.0	7	3	1	1	0	0	0	0	0.0	—
	Tor	5.6	+ 3.6	5.6	1	2	1	1	1	0	0	0	0.0	—
	Hurghada	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Quseir	0.0	— tr.	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abul Kizan	0.0	— 0.6	0.0	—	0	0	0	0	0	0	0	0.0	—

TABLE A 6.—BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT & BLACK BULB TEMPERATURES AND GRASS MINIMUM FEBRUARY 1961

District	Station	Duration of bright sunshine (hours)			Mean sky cover (oktas)								Mean daily evaporation Piche (millimetres)	Mean maximum temp. °(C) of		Mean grass minimum (°C)
		Total actual	Total possible	Percentage %	0000 U.T.		0600 U.T.		1200 U.T.		1800 U.T.			Black bulb thermometer	Bright bulb thermometer	
					Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal				
MEDITERRANEAN	Sallum	—	—	—	3.2	—	4.5	—	5.5	—	3.0	—	6.3	—	—	8.7
	Sidi Barrani	—	—	—	—	—	4.6	—	5.2	—	4.0	—	6.2	—	—	—
	Mersa Matruh ... (A)	182.7	309.9	59.0	3.8	—	6.0	—	5.5	—	5.9	—	7.6	—	—	—
	Dabaa	—	—	—	—	—	4.1	—	4.6	—	4.2	—	3.4	—	—	—
	Dekheila ... ... (A)	—	—	—	3.8	—	5.2	—	4.8	—	4.2	—	6.6	—	—	—
	Alexandria ... ... (A)	178.9	310.5	57.6	5.1	—	5.1	—	5.6	—	5.3	—	4.2	—	—	—
	Damietta	—	—	—	—	—	3.8	—	4.4	—	1.9	—	3.5	—	—	—
	Port Said ... ... (A)	195.2	310.5	62.9	2.1	—	3.6	—	4.0	—	1.9	—	5.0	—	—	—
	El Arish	—	—	—	4.0	—	4.2	—	3.8	—	3.2	—	5.0	—	—	—
	Ghazza	175.5	309.9	56.6	3.6	—	4.5	—	4.3	—	3.2	—	4.8	—	—	—
LOWER EGYPT	El Sirw	—	—	—	—	—	2.9	—	3.4	—	1.9	—	2.7	—	—	—
	Sakha	—	—	—	—	—	2.4	—	3.1	—	1.4	—	2.6	—	—	5.8
	Mansoura	—	—	—	—	—	4.2	—	4.4	—	2.7	—	2.9	—	—	—
	Damanhour	—	—	—	—	—	4.0	—	4.1	—	3.2	—	2.0	—	—	—
	Gimmeiza	161.6	311.1	51.9	—	—	2.2	—	4.6	—	3.1	—	3.5	—	—	—
	Tanta	204.5	310.9	65.8	—	—	3.1	—	4.1	—	2.4	—	3.7	54	31	—
	Tahrir	196.2	311.0	63.1	—	—	3.7	—	4.4	—	3.4	—	6.0	—	—	7.0
	Shebin El Kom	—	—	—	—	—	2.3	—	3.5	—	0.6	—	2.5	—	—	—
	Zagazig	—	—	—	—	—	3.2	—	5.6	—	2.3	—	2.7	—	—	—
	Abu Sueir ... ... (A)	—	—	—	2.0	—	2.8	—	4.7	—	2.5	—	8.5	62	34	4.3
	Zaher ... ... (A)	—	—	—	—	—	3.2	—	4.6	—	2.4	—	7.0	—	—	—
	Wadi El Natrun	—	—	—	—	—	3.9	—	3.9	—	3.6	—	5.0	—	—	—
	Inshas	—	—	—	—	—	2.4	—	4.0	—	2.0	—	6.6	—	—	—
	Fayed ... ... (A)	—	—	—	—	—	2.6	—	4.4	—	2.6	—	9.2	—	—	—
	Kabrit ... ... (A)	—	—	—	—	—	3.2	—	4.4	—	2.6	—	7.8	—	—	—
CAIRO AREA	Cairo ... ... (A)	—	—	—	2.3	—	3.3	—	4.7	—	3.2	—	6.2	—	—	—
	Mostafa Helmi ... (A)	—	—	—	2.3	—	3.3	—	5.2	—	3.3	—	7.1	—	—	—
	Almaza ... ... (A)	208.6	311.7	66.9	2.4	—	3.1	—	4.8	—	3.6	—	7.1	—	—	—
	Abbasiya ... (H.Q.)	(168.8)	(255.6)	66.0	1.5	—	3.6	—	4.1	—	3.2	—	4.4	63	34	—
	Imbaba ... ... (A)	—	—	—	—	—	2.4	—	4.6	—	—	—	4.8	—	—	—
	Giza	197.3	311.7	63.3	—	—	2.8	—	4.5	—	2.8	—	4.3	—	—	1.6
	Helwan	(173.0)	(278.3)	62.2	—	—	2.9	—	4.9	—	2.9	—	5.9	—	—	—
UPPER EGYPT	Fayoum	—	—	—	—	—	1.8	—	4.0	—	1.7	—	4.5	—	—	—
	Beni Suef	—	—	—	—	—	2.1	—	3.7	—	1.6	—	3.4	—	—	4.8
	Seds	—	—	—	—	—	1.5	—	1.8	—	0.7	—	3.0	—	—	1.0
	Minya ... ... (A)	—	—	—	0.2	—	0.6	—	2.6	—	1.4	—	5.8	53	30	2.1
	Mallawi	—	—	—	—	—	1.5	—	2.7	—	1.1	—	2.5	—	—	2.0
	Asyout (Mangabad) (A)	—	—	—	0.4	—	0.9	—	1.5	—	0.8	—	8.5	63	35	5.[illegible]
	Shandaweel	270.9	310.5	87.2	—	—	0.7	—	0.8	—	0.4	—	3.0	—	—	0.[illegible]
	Nag Hammadi	—	—	—	—	—	0.2	—	0.2	—	0.0	—	4.2	—	—	5.0
	Kena	—	—	—	—	—	0.4	—	0.8	—	0.6	—	3.4	—	—	5.1
	Luxor ... ... (A)	—	—	—	0.3	—	0.6	—	0.9	—	0.1	—	4.9	57	34	2.[illegible]
	Kom Ombo	—	—	—	—	—	0.5	—	1.1	—	0.6	—	6.8	—	—	2.[illegible]
	Aswan ... ... (A)	—	—	—	0.6	—	1.2	—	1.2	—	1.0	—	11.6	—	—	—
WESTERN DESERT	Siwa	—	—	—	1.7	—	2.5	—	4.2	—	2.6	—	7.4	66	35	4.[illegible]
	Bahariya	—	—	—	1.2	—	0.9	—	2.6	—	2.4	—	5.7	—	—	—
	Farafra	—	—	—	0.7	—	1.2	—	2.2	—	1.0	—	9.5	—	—	—
	Dakhla	—		—	0.2	—	0.6		1.2	—	0.4	—	8.6	54	35	0
	Kharga	—	—	—	0.2	—	0.3	—	0.7	—	0.2	—	5.6	—	—	1
RED SEA	Suez...	—	—	—	—	—	2.4	—	3.5	—	1.5	—	5.7	—	—	—
	Tor	—	—	—	1.0	—	1.8	—	1.7	—	1.3	—	7.0	—	—	—
	Hurghada	—	—	—	0.5	—	1.3	—	1.2	—	0.4	—	15.2	—	—	—
	Quseir	—	—	—	0.9	—	1.5	—	1.7	—	0.7	—	13.7	—	—	—
	Abul Kizan	—	—	—	—	—	2.8	—	2.4	—	1.1	—	6.8	—	—	—

Note: Actual number of sunshine hours was 53 days at Abbasiya and 55 days at Helwan.

TABLE A 7.—SOIL TEMPERATURES (°C) AT FIXED HOURS

FEBRUARY 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
MEDITERRANEAN	Mersa Matruh... (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	14.1	15.5	2	12.4	9	13.8	15.1	1	12.5	9	13.8	15.1	1	12.4	11	13.9	15.2	1	12.5	11
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	16.4	17.0	24	16.5	19	16.4	16.9	24·26	15.3	19	16.4	17.0	26	15.6	17	16.4	17.0	25·26	15.6	18
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LOWER EGYPT	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	16.4	17.6	*	15.0	27.28	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	16.6	17.5	*	15.0	27·28	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza ...	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	16.4	20.6	5	14.0	11	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	17.6	18.5	1·2·5	16.0	11	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	11.0	12.5	7	9.2	17	15.1	13.5	5	13.1	10	14.5	16.5	5	12.5	10
		10	—	—	—	—	—	13.9	15.2	1·2	12.2	11	15.5	16.7	5	14.2	10	15.9	17.3	5	14.3	7
		20	—	—	—	—	—	14.6	15.5	7	13.6	11	14.7	15.4	7	13.7	11	15.3	16.0	5	14.5	10
		50	—	—	—	—	—	17.2	17.6	6	16.7	13	17.1	17.5	6·7	16.7	11·13	17.1	17.5	6·7	16.6	11
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS

FEBRUARY 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
LOWER EGYPT (*contd.*)	Tahrir	5	—	—	—	—	—	10.4	12.8	7	7.8	9	21.0	24.0	5	16.9	7	15.0	17.2	6	12.3	7
		10	—	—	—	—	—	11.1	13.5	7	8.4	9	18.9	21.4	5	15.9	1	16.0	19.4	5	13.6	1
		20	—	—	—	—	—	13.2	15.3	7	11.4	11	15.2	17.2	18	14.8	1·2	16.8	18.4	5	15.2	1
		50	—	—	—	—	—	15.9	16.8	6	15.1	13	15.6	16.4	7	14.8	11	15.[illegible]	16.6	5	15.2	11,13
		100	—	—	—	—	—	17.5	18.0	1	17.2	*	—	—	—	—	—	17.5	18.0	1	17.1	12
		200	—	—	—	—	—	20.0	20.6	1	19.6	*	—	—	—	—	—	20.[illegible]	20.5	1·2	19.6	*
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	17.9	19.0	7·10	17.0	*	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	19.2	21.0	10	18.0	*	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	20.9	23.0	10	19.0	12·15	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CAIRO AREA	Giza...	5	—	—	—	—	—	10.8	13.1	27	8.2	17	20.8	23.5	4	14.8	1	16.2	18.0	22	13.2	1
		10	—	—	—	—	—	13.7	14.9	27·28	11.8	17	17.3	18.9	27	15.3	15	17.[illegible]	19.2	5	15.6	1
		20	—	—	—	—	—	16.6	17.7	1	15.7	17	16.6	17.4	1	15.7	17	17.4	18.3	5	16.0	10·15
		50	—	—	—	—	—	18.2	19.1	1	17.7	18	18.2	19.0	1	17.6	17	18.0	19.0	1	17.6	17
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
UPPER EGYPT	Seds	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	17.7	18.5	9	17.0	1·2·14	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A) ...	5	15.0	16.5	1	12.[illegible]	10	12.3	13.8	13	10.1	10	19.7	21.7	25	17.9	14	17.7	19.0	5	16.5	3
		10	16.7	18.0	7	15.7	10	14.6	16.0	26·27	12.7	12	17.9	19.0	27	16.8	10	17.9	19.0	24,26,27	16.0	3
		20	17.7	18.5	1,19,27	16.8	3	17.1	18.0	6	16.2	24	17.3	18.2	1	16.5	2	17.7	18.5	8,18,25	15.7	3
		50	18.7	19.2	6	18.0	22	18.6	19.3	6·7	18.0	17	18.6	19.2	1	17.7	18	18.6	19.1	1·5	18.2	12
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* = More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS

FEBRUARY 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
UPPER EGYPT (*contd.*)	Mallawi	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	15.1	16.5	1	15.0	*	15.2	16.6	1	15.0	*	15.2	16.5	1	15.0	*
		100	—	—	—	—	—	16.3	16.5	*	15.0	1	16.3	16.5	*	15.0	1	16.3	16.5	*	15.0	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel	5	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	18.3	19.5	26	17.0	12	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	19.5	20.0	1-2	18.3	16	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kome Ombo	5	—	—	—	—	—	15.2	24.2	20	7.7	11	41.7	50.5	21	35.8	1	17.4	25.5	12	13.0	13
		10	—	—	—	—	—	14.5	19.5	26	10.8	4	30.7	42.6	25	25.2	11	20.2	22.5	22	17.5	8
		20	—	—	—	—	—	17.7	20.5	26	14.5	7	22.3	27.5	25	20.5	11-12	19.9	23.0	29	17.3	10
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* = More than three days.

TABLE A 8.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

FEBRUARY 1961

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres.	Dust rising Sand rising vis. ≥ 1000 metres	Duststorm Sandstorm vis. < 1000 metres.	Drifting snow: Slight moderate vis. below eye level ≥ 1000 metres.	Drifting snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing snow: Slight moderate vis. below eye level ≥ 1000 metres	Blowing snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear sky	Cloudy sky
MEDITERRANEAN	Sollum	14	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	5
	Sidi Barrani	14	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	—	—
	Mersa Matruh (A)	14	0	0	0	0	1	0	0	0	0	0	3	0	0	0	0	2	0	7
	Daba	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Sokheila	15	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	3	5
	Alexandria (A)	18	1	0	0	0	3	0	0	0	0	0	2	0	0	0	0	1	2	8
	Damietta	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Port Said (A)	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	11	2
	El Arish	12	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	6	4
	Ghazza	17	0	0	0	0	3	0	0	1	0	4	0	0	0	0	0	0	7	8
LOWER EGYPT	El Sirw	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Damanhour	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Ginnaiza	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	13	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Tahrir	12	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	—	—
	Sinbin El Kom	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Zagazig	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	7	0	0	1	0	1	3	0	5	0	3	2	0	0	0	0	1	8	3
	Zaher (A)	3	0	0	0	0	0	4	0	0	0	4	1	0	0	0	0	1	—	—
	Wadi El Natrun	6	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	—	—
	Inshas (A)	9	0	0	0	0	0	0	0	4	0	4	1	0	0	0	0	1	—	—
	Fayed (A)	8	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	3	—	—
	Kabrit (A)	8	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	—	—
CAIRO AREA	Cairo (A)	8	0	0	0	0	0	7	0	5	0	4	0	0	0	0	0	0	7	2
	Mostafa Helmi (A)	8	0	0	0	0	0	9	0	3	0	9	2	0	0	0	0	2	5	4
	Almaza (A)	8	0	0	0	0	0	1	0	6	0	0	0	0	0	0	0	0	6	2
	Abbasiya (H.Q.)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11	0
	Imbaba (A)	7	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Giza	7	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	—	—
	Helwan	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 8 (contd.)—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

FEBRUARY 1961

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres.	Dust rising sand rising vis. ≥ 1000 metres	Duststorm Sandstorm vis. < 1000 metres.	Drifting snow: Light moderate vis. below eye level ≥ 1000 metres.	Drifting snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing snow: Slight moderate vis. below eye level ≥ 1000 metres	Blowing snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear sky	Cloudy sky
Upper Egypt	Fayoum	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	—	—
	Beni Suef	4	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	—	—
	Seds	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya ... ... (A)	0	0	0	0	0	0	0	0	4	0	1	0	0	0	0	0	0	21	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Assyout (Mangabad) ... ... (A)	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	26	0
	Shandaweel	[illegible]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor ... ... (A)	0	0	0	0	0	0	0	0	4	0	2	1	0	0	0	0	0	26	0
	Kom Ombo	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	—	—
	Aswan ... ... (A)	0	0	0	0		0	0	0	0	0	1	0	0	0	0	0	0	23	0
Western Desert	Siwa	2	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	1	11	1
	Bahariya	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	2	15	0
	Farafra	0	0	0	0	0	0	1	0	3	0	4	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	0	25	0
	Kharga	0	0	0	0	0	0	0	0	1	0	5	1	0	0	0	0	1	27	0
Red Sea	Suez...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor	1	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0	20	0
	Hurghada	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	24	0
	Quseir	0	0	0	0	0	0	0	0	5	0	2	0	0	0	0	0	0	23	1
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

FEBRUARY 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	Wind speed in knots	Number in hours of occurrences of wind blowing from the ranges of directions indicated												
						345 / 012	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	18	1-10	6	7	8	2	0	4	18	31	20	7	7	18	128
					11-27	71	13	2	5	0	1	28	112	52	34	71	101	510
					28-47	0	0	0	0	0	0	2	11	0	0	3	4	20
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	77	20	10	7	0	5	58	154	72	41	81	123	648
	Mersa Matruh ... (A)	3	5	1	1-10	14	6	7	3	0	1	1	9	42	19	21	25	148
					11-27	71	0	2	3	1	5	23	74	104	77	34	92	436
					28-47	0	0	0	0	0	0	0	10	12	5	0	2	29
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	85	6	9	6	1	6	24	93	158	101	55	119	663
	Dekheila ... ... (A)	0	0	1	1-10	5	26	3	19	7	3	16	25	47	18	16	40	231
					11-27	45	18	3	0	0	1	10	24	75	55	43	106	380
					28-47	0	0	0	0	0	0	0	0	6	4	0	0	10
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	92	44	11	18	7	5	26	49	128	77	59	146	671
	Alexandria ... ... (A)	2	0	0	1-10	17	16	21	12	17	16	10	24	10	18	29	31	221
					11-27	25	10	3	5	2	7	22	112	55	43	113	40	427
					28-47	0	0	0	0	0	0	7	16	5	0	0	0	22
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	42	26	24	17	19	23	39	149	65	61	142	71	670
	Port Said ... ... (A)	3	0	0	1-10	31	20	12	3	3	14	6	23	37	45	39	34	267
					11-27	15	26	23	1	0	0	6	42	85	112	31	30	384
					28-47	0	0	0	0	0	0	0	2	13	3	0	0	18
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	49	46	35	4	3	14	12	67	135	160	70	74	669
	El Arish	41	0	32	1-10	1	6	2	2	1	1	16	43	74	20	27	13	226
					11-27	0	0	0	0	0	0	3	0	42	25	15	0	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	12	6	2	2	1	1	19	43	116	54	42	13	311
Lower Egypt	Tanta	15	0	3	1-10	19	17	2	0	25	41	90	150	80	53	28	26	530
					11-27	2	7	0	0	0	3	32	57	8	9	4	6	124
					28-47	0	0	0	0	0	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	24	2	0	25	44	122	205	88	62	32	32	654
	Zeher ... ... (A)	10	0	0	1-10	23	20	3	0	1	7	17	66	114	42	46	22	365
					11-27	5	9	3	0	0	14	31	97	88	17	10	3	277
					28-47	0	0	0	0	0	0	0	10	1	0	0	0	11
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	33	29	6	0	1	21	48	173	203	59	56	25	653
Cairo Area	Cairo ... ... (A)	25	5	12	1-10	1	20	2	9	0	10	26	73	47	34	53	36	354
					11-27	3	12	2	0	0	12	57	79	58	29	19	3	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	4	41	24	9	0	31	83	152	105	63	72	39	630
	Mostafa Helmi .. (A)	3	3	0	1-10	20	21	18	0	0	8	10	31	30	45	31	28	245
					11-27	2	18	18	0	0	1	35	84	113	55	28	37	409
					28-47	0	0	0	0	0	0	1	3	8	0	0	0	12
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	49	42	36	0	0	9	46	118	151	100	59	65	666

TABLE A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

FEBRUARY 1961

Region	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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
Lower Egypt	Almaza ... ... (A) ...	2	0	3	1-10	27	39	35	9	5	14	44	83	51	60	43	39	449
					11-27	1	12	6	1	0	5	43	62	43	39	5	1	218
					28-47	0	0	0	0	0	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	51	41	10	5	19	87	145	94	99	48	40	667
Cairo Area (contd.)	Abbasiya (H Q)... ...	70	8	0	1-10	34	27	3	0	3	40	136	98	90	53	43	43	570
					11-27	0	0	0	0	0	0	6	18	3	0	0	0	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	34	27	3	0	3	40	142	116	93	53	43	43	597
	Giza	78	0	3	1-10	21	25	2	0	3	106	65	31	32	48	65	77	468
					11-27	3	9	0	0	0	8	36	32	16	9	6	4	123
					28-47	0	0	0	0	0	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	34	2	0	3	114	101	53	48	57	71	81	591
Upper Egypt	Minya ... ... (A) ..	3	2	0	1-10	122	37	0	0	2	81	47	26	25	24	39	91	494
					11-27	43	16	1	0	0	1	6	12	18	24	23	28	172
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	165	53	1	0	2	82	53	38	43	48	62	119	666
	Luxor ... ... (A) ...	56	5	0	1-10	72	17	10	9	14	28	59	65	48	46	52	135	555
					11-27	5	0	0	0	0	0	0	1	1	11	8	30	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	77	17	10	9	14	28	59	66	49	57	60	165	611
Western Desert	Siwa	41	3	0	1-10	30	27	19	22	8	6	12	12	16	54	75	41	322
					11-27	47	10	2	0	1	0	1	5	27	47	93	53	286
					28-47	0	0	0	0	0	0	0	0	3	12	5	0	20
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	77	37	21	22	9	6	13	17	46	113	173	94	628
	Dakhla	35	5	4	1-10	28	14	23	17	11	8	7	12	61	102	136	69	488
					11-27	18	7	1	0	0	0	0	1	4	13	33	63	140
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	46	21	24	17	11	8	7	13	65	115	169	132	628
Red Sea	Hurghada	1	1	0	1-10	11	15	7	9	8	3	6	8	15	14	32	12	140
					11-27	99	2	1	0	3	1	0	2	3	7	244	136	498
					28-47	13	0	0	0	0	0	0	0	0	0	0	19	32
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	123	17	8	9	11	4		10	18	21	276	167	670

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SALLUM — FEBRUARY 1961

Hour (U.T.)	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	1	0	0	0	0	0	0	2	3	4	2	12
				11–27	1	0	0	0	0	0	0	0	1	8	2	1	13
				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**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**11**	**6**	**3**	**26**
0300	3	0	0	1–10	2	0	0	0	0	0	0	1	0	2	5	1	11
				11–27	0	0	0	0	0	0	0	0	0	10	2	1	13
				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**	**0**	**0**	**0**	**0**	**2**	**0**	**12**	**7**	**2**	**25**
0600	2	0	0	1–10	1	0	0	0	0	0	0	1	1	3	2	3	11
				11–27	0	0	0	0	0	0	0	0	0	11	1	3	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**14**	**3**	**5**	**26**
0900	2	0	0	1–10	4	2	0	1	0	0	0	0	1	2	2	0	12
				11–27	0	0	0	0	0	0	0	0	5	4	3	1	13
				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	1
				All speeds	**4**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**7**	**6**	**5**	**1**	**26**
1200	1	0	0	1–10	1	3	1	0	0	0	0	0	1	0	0	3	9
				11–27	1	2	0	0	0	0	0	1	4	4	1	4	17
				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	1
				All speeds	**2**	**5**	**1**	**0**	**0**	**0**	**0**	**1**	**6**	**4**	**1**	**7**	**27**
1500	1	0	2	1–10	3	1	2	0	0	0	0	1	1	0	1	4	13
				11–27	0	0	0	0	0	0	0	0	6	3	1	1	11
				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**	**1**	**2**	**0**	**0**	**0**	**0**	**1**	**8**	**3**	**2**	**5**	**25**
1800	2	0	0	1–10	1	0	2	0	0	0	0	0	1	2	6	4	16
				11–27	0	1	0	0	0	0	0	0	4	3	0	1	9
				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	**1**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**5**	**6**	**6**	**5**	**26**
2100	2	0	0	1–10	1	1	1	0	0	1	0	1	0	6	3	2	16
				11–27	1	0	0	0	0	0	0	0	2	5	0	1	6
				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**	**1**	**0**	**0**	**1**	**0**	**1**	**2**	**12**	**3**	**3**	**23**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MERSA MATRUH (A) — FEBRUARY 1961

Hour (U.T.)	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	0	0	0	0	0	4	2	1	0	8
				11-27	1	0	0	0	0	1	1	5	3	3	1	3	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	1	1	0	0	0	1	1	5	8	5	2	3	27
0300	1	0	0	1-10	0	0	0	0	0	0	0	1	3	2	0	0	6
				11-27	3	0	0	0	0	0	2	6	5	1	0	3	20
				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	0	0	0	0	0	2	7	9	3	0	3	27
0600	0	0	0	1-10	0	0	0	0	0	0	0	[illegible]	5	0	1	0	7
				11-27	4	0	0	0	0	0	0	3	7	1	0	2	20
				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	0	0	0	0	0	0	7	13	1	1	2	28
0900	0	0	0	1-10	1	0	0	0	0	0	0	0	0	0	1	2	4
				11-27	2	0	1	0	0	0	0	4	3	5	0	5	20
				28-47	0	0	0	0	0	0	0	2	0	1	1	0	4
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	1	0	0	0	0	6	3	6	2	7	28
1200	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	1	1	2
				11-27	0	0	1	0	0	0	0	2	5	2	5	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	0	0	1	0	0	0	0	2	5	2	6	12	28
1500	0	0	0	1-10	0	0	1	0	0	0	0	0	0	0	1	2	4
				11-27	1	0	0	0	0	0	0	2	5	4	2	8	22
				28-47	0	0	0	0	0	0	1	0	0	0	1	0	2
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	1	0	0	0	1	2	5	4	4	10	28
1800	0	0	0	1-10	2	0	1	0	0	0	1	1	1	4	1	0	11
				11-27	2	0	0	0	0	0	2	3	2	0	2	3	14
				28-47	0	0	0	0	0	0	0	1	0	0	1	1	3
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	0	1	0	0	0	3	5	3	4	4	4	28
2100	0	0	0	1-10	0	1	1	0	0	0	0	1	2	0	2	2	9
				11-27	1	0	0	0	0	2	1	5	5	2	0	2	18
				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	1	1	1	0	0	2	1	7	7	2	2	4	28

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DEKHEILA (A) — FEBRUARY 1961

Hour (U.T.)	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	0	1	1	0	0	2	0	3	0	0	5	13
				11-27	2	0	0	0	0	0	1	1	3	1	3	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	3	0	1	1	0	0	3	1	6	1	3	9	28
0300	0	0	0	1-10	3	0	0	1	1	0	0	0	3	1	1	0	10
				11-27	4	1	0	0	0	0	2	0	4	1	0	5	17
				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	7	1	0	1	1	0	2	0	8	2	1	5	28
0600	0	0	0	1-10	2	1	1	0	3	0	1	1	4	0	1	1	15
				11-27	3	0	0	0	0	0	1	1	4	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	1	1	0	3	0	2	2	8	1	3	2	28
0900	0	0	0	1-10	2	1	1	0	0	0	1	1	2	0	1	1	10
				11-27	4	1	0	0	0	0	0	1	7	3	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	6	2	1	0	0	0	1	2	9	3	1	3	28
1200	0	0	0	1-10	3	3	0	0	0	0	0	0	5	0	0	1	7
				11-27	3	1	0	0	0	0	0	0	1	7	1	3	20
				28-47	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
				All speeds	6	4	0	0	0	0	0	0	6	7	1	4	28
1500	0	0	0	1-10	1	2	0	0	0	0	0	0	1	4	2	1	11
				11-27	4	0	1	0	0	0	0	0	1	3	2	5	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	2	1	0	0	0	0	0	2	8	4	6	28
1800	1	0	0	1-10	4	1	1	1	0	0	1	2	2	1	1	2	16
				11-27	2	0	0	0	0	0	0	0	2	1	2	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	6	1	1	1	0	0	1	2	4	2	3	6	27
2100	0	0	0	1-10	5	1	0	3	0	2	0	0	4	0	1	1	17
				11-27	2	0	0	0	0	0	0	1	2	1	1	3	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	7	1	0	3	0	2	0	1	6	1	3	4	28

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALEXANDRIA (A)—FEBRUARY 1961

Hour (U.T.)	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	2	1	0	1	1	0	2	1	0	2	1	12
				11-27	0	0	0	0	1	1	1	4	1	1	6	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	1	2	1	0	2	2	1	6	1	1	8	3	28
0300	0	0	0	1-10	0	2	0	1	0	2	0	0	1	3	1	0	10
				11-27	1	0	0	0	0	0	1	6	2	1	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	1	2	0	1	0	2	1	7	3	4	5	2	28
0600	1	0	0	1-10	1	2	0	2	1	1	1	1	1	1	0	1	12
				11-27	2	0	0	0	0	0	1	5	1	1	3	1	14
				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	0	2	1	1	2	7	2	2	3	2	57
0900	0	0	0	1-10	1	0	0	2	0	0	0	1	0	0	1	0	5
				11-27	2	1	0	0	0	0	5	5	2	1	4	2	22
				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	1	0	2	0	0	5	7	2	1	5	2	28
1200	0	0	0	1-10	1	0	0	0	0	0	0	0	0	0	2	2	5
				11-27	1	2	1	0	0	0	1	7	3	0	3	3	21
				28-47	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
				All speeds	2	2	1	0	0	0	2	8	3	0	5	5	28
1500	0	0	0	1-10	1	0	0	0	0	0	0	0	2	0	3	1	7
				11-27	2	1	0	0	0	0	0	3	6	1	5	2	20
				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	1	0	0	0	0	0	3	9	1	8	3	28
1800	0	0	0	1-10	1	3	0	2	0	0	2	1	3	1	2	1	16
				11-27	1	0	0	0	0	0	0	2	0	1	5	2	11
				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	0	2	0	0	2	3	4	2	7	3	28
2100	1	0	0	1-10	1	1	2	1	0	0	0	3	0	0	0	4	12
				11-27	0	0	0	1	0	0	1	3	1	3	3	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	1	1	2	2	0	0	1	6	1	3	3	7	27

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

PORT SAID (A) — FEBRUARY 1961

Hour (U.T.)	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	2	0	0	2	0	1	1	1	3	0	13
				11-27	1	0	0	1	0	0	0	3	4	4	1	1	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 speed	3	0	2	1	0	2	0	4	5	6	4	1	28
0300	1	0	0	1-10	1	0	0	0	0	1	1	0	0	2	3	1	9
				11-27	1	0	2	0	0	0	0	4	5	5	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	2	0	2	0	0	1	1	4	5	7	4	1	27
0600	0	0	0	1-10	1	0	0	0	0	1	1	0	0	3	2	0	8
				11-27	0	1	2	0	0	0	1	3	4	9	0	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	1	1	2	0	0	1	2	3	4	12	2	0	28
0900	0	0	0	1-10	0	0	2	1	0	0	1	2	1	5	0	1	13
				11-27	0	1	0	0	0	0	0	2	4	6	1	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	0	1	2	1	0	0	1	4	6	11	1	1	28
1200	0	0	0	1-10	2	1	0	0	0	0	0	0	2	1	2	3	11
				11-27	1	2	1	0	0	0	0	1	4	4	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	3	3	1	0	0	0	0	1	7	5	4	4	28
1500	0	0	0	1-10	2	0	1	0	0	0	0	0	2	1	2	2	10
				11-27	3	1	1	0	0	0	0	1	3	4	2	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	5	1	2	0	0	0	0	1	5	5	4	5	28
1800	1	0	0	1-10	1	2	0	1	0	0	0	1	3	1	2	0	11
				11-27	0	1	5	0	0	0	0	2	1	2	1	3	15
				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	3	5	1	0	0	0	3	5	3	3	3	27
2100	0	0	0	1-10	2	2	1	0	1	1	1	0	2	1	0	3	14
				11-27	0	0	1	0	0	0	0	3	2	4	1	2	13
				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	2	0	1	1	1	3	5	5	1	5	28

TABLE A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

EL ARISH — FEBRUARY 1961

Hour (U.T.)	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	3	3	2	7	0	0	2	17
				11-27	0	0	0	0	0	0	0	2	3	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	0	0	0	0	0	3	3	4	10	1	1	2	24
0300	4	0	0	1-10	0	0	0	1	0	3	2	2	9	3	2	0	22
				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	0	0	1	0	3	2	3	10	3	2	0	24
0600	1	0	0	1-10	0	0	0	0	0	6	4	3	7	2	1	0	23
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	6	5	3	10	2	1	0	27
0900	1	0	0	1-10	0	1	1	2	0	0	2	2	3	5	1	0	17
				11-27	0	0	0	0	0	0	0	0	4	6	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	1	1	2	0	0	2	2	7	11	1	0	27
1200	0	0	0	1-10	1	3	0	0	0	0	1	2	1	4	2	2	16
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	3	0	0	0	0	1	2	3	10	6	2	28
1500	3	0	0	1-10	2	1	1	0	0	1	1	1	2	3	7	1	20
				11-27	0	0	0	0	0	0	0	0	1	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	2	1	1	0	0	1	1	1	3	6	7	2	25
1800	6	0	0	1-10	1	1	1	1	1	2	0	3	2	2	2	2	18
				11-27	0	0	0	0	0	0	0	1	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	1	1	1	1	1	2	0	4	3	3	3	2	22
2100	4	0	0	1-10	1	0	1	0	2	2	3	5	3	0	3	2	22
				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	0	1	0	2	2	3	6	3	1	3	2	24

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS,

GHAZZA — FEBRUARY 1961

Hour (U.T.)	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	2	3	6	4	1	1	1	0	0	18
				11-27	0	0	0	0	0	2	1	1	2	1	0	1	8
				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	2	3	8	5	2	4	3	0	1	28
0300	0	0	0	1-10	0	0	0	2	1	8	8	0	0	0	1	0	20
				11-27	0	0	0	0	0	1	0	2	4	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	0	0	0	2	1	9	8	2	4	0	2	0	28
0600	0	0	0	1-10	0	0	0	3	1	7	12	1	0	0	0	0	24
				11-27	0	0	0	0	0	0	0	2	1	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	0	0	0	3	1	7	12	3	1	0	1	0	28
0900	0	0	0	1-10	2	2	0	0	0	0	4	7	1	2	1	0	19
				11-27	0	0	0	0	0	0	1	2	6	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	2	0	0	0	0	5	9	7	2	1	0	28
1200	0	0	0	1-10	4	0	0	0	0	0	0	1	4	5	1	1	16
				11-27	0	0	0	0	0	0	0	0	7	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	4	0	0	0	0	0	0	1	11	10	1	1	28
1500	2	0	0	1-10	6	0	0	0	0	1	0	1	2	1	3	2	16
				11-27	1	0	0	0	0	0	0	3	1	4	0	0	9
				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	7	0	0	0	0	1	0	4	3	5	4	2	26
1800	0	0	0	1-10	1	1	0	7	1	1	3	0	0	2	2	0	18
				11-27	2	0	0	0	0	0	1	1	2	2	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	1	0	7	1	1	4	1	2	4	3	1	28
2100	0	0	0	1-10	1	0	1	5	2	6	3	0	0	0	0	1	19
				11-27	0	0	0	0	0	1	2	0	2	1	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	1	0	1	5	2	7	5	0	2	1	1	3	28

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ABU SUEIR (A) — FEBRUARY 1961

Hour (U.T.)	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	1	0	0	0	1	0	3	6	0	2	0	15
				11-27	0	0	0	0	0	0	0	2	2	0	0	0	4
				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	0	0	0	1	0	5	9	0	2	0	20
0300	9	0	0	1-10	0	0	0	0	0	4	0	0	6	2	1	0	13
				11-27	0	0	0	0	0	0	0	2	2	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	0	0	4	0	2	8	4	1	0	19
0600	4	0	0	1-10	0	0	0	0	0	2	0	1	5	3	2	0	13
				11-27	0	0	0	0	0	0	3	1	6	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	0	0	0	0	2	3	2	11	4	2	0	24
0900	1	0	0	1-10	0	0	0	0	0	0	1	0	0	3	3	2	9
				11-27	0	1	1	0	0	0	1	2	7	4	1	0	17
				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	1	1	0	0	0	2	2	8	7	4	2	27
1200	1	0	0	1-10	1	1	0	0	0	0	0	0	0	1	0	2	5
				11-27	1	0	1	0	0	0	0	0	7	7	4	1	21
				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	0	8	8	4	3	27
1500	0	0	0	1-10	5	1	0	0	0	0	0	0	2	1	0	0	9
				11-27	0	3	3	0	0	0	0	0	5	1	3	3	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	5	4	3	0	0	0	0	0	8	2	3	3	28
1800	4	0	0	1-10	3	1	1	1	0	0	3	2	5	1	1	1	19
				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	1	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	1	1	1	0	0	3	3	6	2	2	2	24
2100	7	0	0	1-10	1	0	1	0	0	3	0	2	4	4	1	1	17
				11-27	0	0	0	0	0	0	1	1	1	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	0	1	0	0	3	1	3	5	5	1	1	21

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

CAIRO (A) — FEBRUARY 1961

Hour (U.T.)	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	1	1	0	2	2	5	0	0	1	0	11
				11-27	0	0	0	0	0	2	2	3	2	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	1	1	0	4	4	8	2	0	1	0	21
0300	6	0	0	1-10	0	0	0	0	0	0	2	5	4	1	0	0	12
				11-27	0	0	0	0	0	3	3	3	1	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	0	0	0	3	5	8	5	1	0	0	22
0600	4	0	0	1-10	0	0	0	0	0	1	2	4	3	1	0	0	11
				11-27	0	0	0	0	0	1	5	3	4	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	0	0	0	0	0	2	7	7	7	1	0	0	24
0900	0	0	0	1-10	1	1	1	0	0	0	2	2	0	1	4	1	13
				11-27	0	1	0	0	0	0	3	5	4	1	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	2	1	0	0	0	5	7	4	2	5	1	28
1200	0	0	0	1-10	0	2	0	0	0	0	0	2	2	1	2	1	10
				11-27	1	0	1	0	0	0	1	7	3	0	5	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	2	1	0	0	0	1	9	5	1	7	1	28
1500	0	0	0	1-10	2	2	0	0	0	0	0	2	1	2	4	1	14
				11-27	1	1	1	0	0	0	0	5	3	3	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	3	3	1	0	0	0	0	7	4	5	4	1	28
1800	1	0	0	1-10	2	3	0	0	0	1	3	1	2	3	3	2	20
				11-27	0	1	0	0	0	1	1	3	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	2	4	0	0	0	2	4	4	2	4	3	2	27
2100	4	0	0	1-10	0	2	1	2	0	1	2	4	1	3	2	0	18
				11-27	0	0	0	0	0	2	0	1	3	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	2	0	3	2	5	4	3	2	0	24

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MOSTAFA HELMI (A) — FEBRUARY 1961

Hour (U.T.)	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	1	2	0	0	2	0	2	0	5	1	0	15
				11-27	0	0	0	0	0	0	2	1	6	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	2	1	2	0	0	2	2	3	6	6	3	0	27
0300	1	0	0	1-10	1	1	1	0	0	0	0	1	2	3	4	0	13
				11-27	0	0	0	0	0	0	3	4	2	4	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	1	1	1	0	0	0	3	5	4	7	5	0	27
0600	1	0	0	1-10	1	1	0	0	0	0	0	2	2	2	3	1	12
				11-27	0	0	0	0	0	0	1	6	3	5	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	1	1	0	0	0	0	1	8	5	7	3	1	27
0900	0	0	0	1-10	1	0	0	0	0	0	0	0	1	1	4	0	7
				11-27	1	1	1	0	0	0	2	4	3	8	0	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	1	1	0	0	0	2	4	4	9	4	1	28
1200	0	0	0	1-10	1	0	0	0	0	0	0	0	3	4	2	0	3
				11-27	1	1	1	0	0	0	0	5	1	0	6	2	23
				28-47	0	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	2	1	1	0	0	0	0	5	4	4	8	3	28
1500	0	0	0	1-10	2	0	0	0	0	0	0	0	0	0	0	0	2
				11-27	0	3	1	0	0	0	1	2	5	3	3	6	24
				28-47	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
				All speeds	2	3	1	0	0	0	2	2	6	3	3	6	28
1800	0	0	0	1-10	1	2	1	0	0	0	1	2	1	3	1	2	13
				11-27	2	2	1	0	0	0	2	1	2	1	0	2	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	3	4	2	0	0	0	3	3	4	4	1	4	28
2100	0	0	0	1-10	1	1	3	0	0	0	1	3	2	4	2	2	19
				11-27	1	1	0	0	0	0	2	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	2	2	3	0	0	0	3	4	4	6	2	2	28

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALMAZA (A) — FEBRUARY 1961

Hour (U.T.)	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	3	0	1	1	2	1	8	1	1	0	1	20
				11-27	0	0	0	0	0	0	1	1	2	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	1	3	0	1	1	2	2	9	3	3	0	1	26
0300	1	0	1	1-10	0	5	0	0	0	2	3	5	2	2	0	0	19
				11-27	0	0	0	0	0	1	1	2	2	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	5	0	0	0	3	4	7	4	3	0	0	26
0600	0	0	0	1-10	0	1	1	1	0	1	1	2	5	2	0	1	15
				11-27	0	0	0	0	0	0	5	5	3	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	0	1	1	1	0	1	6	7	8	2	0	1	28
0900	0	0	0	1-10	3	0	2	1	0	0	0	2	2	1	2	1	14
				11-27	0	0	0	0	0	0	4	5	1	4	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	3	0	2	1	0	0	4	7	3	5	2	1	28
1200	0	0	0	1-10	0	2	1	0	0	0	0	2	1	1	3	2	12
				11-27	1	0	1	0	0	0	1	4	3	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	1	2	2	0	0	0	1	6	4	5	5	2	28
1500	0	0	0	1-10	0	2	2	0	0	0	0	2	0	2	1	4	13
				11-27	1	3	0	0	0	0	0	3	4	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	1	5	2	0	0	0	0	5	4	4	3	4	28
1800	0	0	0	1-10	5	2	1	0	0	1	3	2	1	4	1	3	23
				11-27	0	0	1	0	0	0	0	1	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	5	2	2	0	0	1	3	3	3	5	1	3	28
2100	0	0	0	1-10	1	1	2	5	0	1	1	2	1	3	2	0	19
				11-27	0	0	0	0	0	2	2	2	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	1	2	5	0	3	3	5	4	3	2	0	28

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

GIZA — FEBRUARY 1961

Hour (U.T.)	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	0	0	1	6	2	0	2	1	3	2	17
				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	0	0	0	1	6	2	1	3	1	3	2	19
0300	10	0	0	1–10	0	0	0	0	0	9	1	1	2	1	2	0	16
				11–27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	9	3	1	2	1	2	0	18
0600	5	0	0	1–10	0	0	0	0	1	9	1	2	4	0	2	2	21
				11–27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	1	10	2	2	4	0	2	2	23
0900	0	0	0	1–10	0	4	0	0	0	1	2	0	1	4	3	1	16
				11–27	0	0	0	0	0	1	6	1	3	1	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	4	0	0	0	2	8	1	4	5	3	1	28
1200	0	0	0	1–10	3	0	0	0	0	0	1	2	1	4	6	0	17
				11–27	0	1	0	0	0	0	2	4	0	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	3	1	0	0	0	0	3	6	1	5	7	2	28
1500	0	0	0	1–10	3	1	0	0	0	1	3	1	4	1	5	3	22
				11–27	1	1	0	0	0	0	1	2	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	4	2	0	0	0	1	4	3	4	1	6	3	28
1800	8	0	0	1–10	3	2	0	0	1	2	3	0	1	2	2	2	18
				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	3	2	0	0	1	2	4	1	1	2	2	2	20
2100	9	0	0	1–10	0	0	1	0	0	3	5	1	0	3	2	3	18
				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	1	0	0	3	5	1	1	3	2	3	19

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MINYA (A) — FEBRUARY 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of 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	9	0	0	0	0	6	3	0	1	3	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	9	0	0	0	0	6	3	0	1	3	1	4	27
0300	2	0	0	1-10	4	1	1	0	0	5	4	1	1	0	0	9	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	4	1	1	0	0	5	4	1	1	0	0	9	26
0600	0	0	0	1-10	9	0	0	0	0	5	4	0	1	0	3	4	26
				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	9	0	0	0	0	5	4	1	2	0	3	4	28
0900	0	0	0	1-10	3	2	0	0	0	1	1	0	1	2	3	2	15
				11-27	1	2	1	0	0	0	1	0	1	1	2	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	4	4	1	0	0	1	2	0	4	3	5	4	28
1200	0	0	0	1-10	1	1	0	0	0	0	0	3	1	0	2	1	9
				11-27	4	2	0		0	0	0	1	1	4	3	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	5	3	0	0	0	0	0	4	2	4	5	5	28
1500	0	0	0	1-10	5	1	0	0	0	1	1	1	0	2	2	0	13
				11-27	7	0	0	0	0	0	0	1	0	4	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	12	1	0	0	0	1	1	2	0	6	4	1	28
1800	1	0	0	1-10	5	3	0	0	1	2	2	2	1	2	2	2	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	9	3	0	0	1	2	2	2	1	2	2	3	27
2100	1	0	0	1-10	8	0	0	0	0	5	3	1	1	1	1	5	25
				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	8	1	1	0	0	5	3	1	1	1	1	5	27

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASYOUT (A) — FEBRUARY 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of directions indicated												
					345 / 011	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	0	1	0	0	2	0	3	8	2	3	19
				11-27	1	0	0	0	0	0	2	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	0	1	0	0	4	0	3	8	3	3	23
0300	10	0	0	1-10	0	0	0	1	0	0	2	0	3	8	3	0	17
				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	1	0	0	3	0	3	8	3	0	18
0600	11	0	0	1-10	0	0	0	0	1	0	0	1	0	11	1	0	14
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	1	0	0	3	1	11	1	0	17
0900	6	0	0	1-10	3	0	0	0	0	0	0	0	0	1	3	3	10
				11-27	4	0	0	0	0	0	1	0	2	1	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	7	0	0	0	0	0	1	0	2	2	5	5	22
1200	1	0	0	1-10	3	0	1	1	0	0	0	1	1	2	0	3	12
				11-27	5	0	0	0	0	0	0	0	1	2	4	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	8	0	1	1	0	0	0	1	2	4	4	6	27
1500	0	0	0	1-10	2	1	0	0	0	0	0	0	3	3	4	1	14
				11-27	0	0	0	0	0	0	0	0	0	4	1	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	2	1	0	0	0	0	0	0	3	7	5	10	28
1800	4	0	0	1-10	1	0	0	0	0	0	2	0	4	9	4	3	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	1	0	0	0	0	0	2	0	4	9	4	4	24
2100	7	0	0	1-10	0	0	0	0	1	0	2	0	1	7	5	1	17
				11-27	1	0	0	0	0	0	1	0	0	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	1	0	0	0	1	0	3	0	1	8	6	1	21

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

LUXOR (A) — FEBRUARY 1961

Hour (U.T.)	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	0	0	0	0	0	1	2	1	0	0	0	3	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	0	0	0	0	0	1	2	1	0	0	0	3	7
0300	22	0	0	1–10	1	0	0	0	0	0	0	1	1	1	1	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	1	0	0	0	0	0	0	1	1	1	1	1	6
0600	11	0	0	1–10	0	1	0	2	0	1	1	2	5	0	3	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	2	0	1	1	2	5	1	3	1	17
0900	5	0	0	1–10	6	1	1	0	0	0	0	0	0	4	1	3	16
				11–27	1	0	0	0	0	0	0	0	1	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	7	1	1	0	0	0	0	0	1	4	2	7	23
1200	1	0	0	1–10	6	1	0	0	0	0	0	0	1	1	2	2	13
				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	8	1	0	0	0	0	0	0	1	3	4	10	27
1500	2	0	0	1–10	4	1	1	0	0	1	0	1	0	2	3	7	20
				11–27	0	0	0	0	0	0	0	0	0	1	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	4	1	1	0	0	1	0	1	0	3	4	11	26
1800	7	0	0	1–10	1	1	0	0	0	0	0	1	0	2	9	6	20
				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	1	0	0	0	0	0	1	0	2	9	7	21
2100	10	0	0	1–10	1	0	0	0	3	2	2	5	1	0	1	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	3	2	2	5	1	0	1	3	18

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASWAN (A) — FEBRUARY 1961

Hour (U.T.)	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 / 047	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	7	2	0	0	0	0	0	0	0	4	2	5	20
				11–27	2	0	0	0	0	0	0	0	0	0	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	9	2	0	0	0	0	0	0	0	4	4	6	25
0300	9	0	0	1–10	8	1	0	0	0	0	1	0	0	0	2	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	8	1	0	0	0	0	1	0	0	0	2	7	19
0600	4	0	0	1–10	14	2	0	0	0	0	1	0	1	0	0	4	23
				11–27	0	1	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	14	3	0	0	0	0	1	0	1	0	1	4	24
0900	0	0	0	1–10	6	2	0	0	0	0	0	0	0	1	0	1	10
				11–27	10	3	0	0	0	0	0	0	1	1	0	2	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	17	5	0	0	0	0	0	0	1	2	0	3	28
1200	0	0	0	1–10	7	2	0	0	0	0	0	0	0	1	2	1	13
				11–27	9	0	0	0	0	0	0	0	0	0	3	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	16	2	0	0	0	0	0	0	0	1	5	4	28
1500	1	0	0	1–10	8	0	0	0	0	0	0	1	0	0	1	0	10
				11–27	11	0	0	0	0	0	0	0	1	1	1	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	19	0	0	0	0	0	0	1	1	1	2	3	27
1800	1	0	0	1–10	8	0	0	0	0	0	0	0	0	1	4	4	17
				11–27	7	0	0	0	0	0	0	1	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	15	0	0	0	0	0	0	1	0	1	4	6	27
2100	1	0	0	1–10	8	1	0	0	0	0	0	0	0	4	4	7	24
				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	9	2	0	0	0	0	0	0	0	4	4	8	27

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SIWA — FEBRUARY 1961

Hour (U.T.)	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	1	1	1	0	1	0	0	2	3	5	0	17
				11-27	0	0	0	0	0	0	0	0	3	0	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	3	1	1	1	0	1	0	0	5	3	7	0	22
0300	6	0	0	1-10	1	0	1	1	0	0	0	1	0	5	5	3	17
				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	0	1	1	0	0	0	1	1	6	7	4	22
0600	3	0	0	1-10	2	0		1	0	1	1	0	0	5	4	3	18
				11-27	0	0	0	0	0	0	1	0	0	1	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	2	0	1	1	0	1	2	0	0	6	7	5	25
0900	0	0	0	1-10	0	1	0	1	2	0	0	1	0	0	3	3	11
				11-27	3	0	0	0	1	0	0	0	0	6	4	2	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	3	1	0	1	3	0	0	1	0	7	7	5	28
1200	0	0	0	1-10	3	1	2	0	0	0	0	0	0	0	1	0	7
				11-27	5	0	0	0	0	0	0	0	2	5	4	4	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	8	1	2	0	0	0	0	0	2	6	5	4	28
1500	0	0	0	1-10	4	3	0	0	0	1	0	0	0	0	0	2	10
				11-27	2	0	0	0	0	0	0	1	2	4	4	4	17
				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	6	3	0	0	0	1	0	1	2	5	4	6	28
1800	1	0	0	1-10	2	3	1	0	0	0	0	0	4	2	1	2	15
				11-27	2	2	0	0	0	0	0	0	2	1	3	1	11
				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	5	1	0	0	0	0	0	6	4	4	3	27
2100	3	0	0	1-10	3	2	3	1	0	0	0	1	0	2	4	1	17
				11-27	2	0	0	0	0	0	0	2	1	1	1	0	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	5	2	3	1	0	0	0	3	1	3	6	1	25

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

BAHARIYA — FEBRUARY 1961

Hours (U.T.)	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	3	0	0	0	0	0	1	0	3	1	1	11
				11-27	0	0	0	0	0	0	1	1	0	2	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	2	3	0	0	0	0	1	2	0	5	2	3	18
0300	18	0	0	1-10	1	0	0	0	0	0	0	0	1	0	1	2	5
				11-27	0	0	0	0	0	0	0	0	0	4	0	0	4
				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	1	0	0	0	0	0	0	0	1	5	1	2	10
0600	18	0	0	1-10	2	1	0	0	0	0	0	1	2	2	0	1	9
				11-27	0	0	0	0	0	0	0	0	0	4	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	2	1	0	0	0	0	0	1	2	6	0	2	14
0900	5	0	0	1-10	2	4	0	0	0	0	0	1	0	0	0	0	7
				11-27	2	1	0	0	0	0	0	0	1	6	2	3	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	5	0	0	0	0	0	1	1	7	2	3	23
1200	1	0	0	1-10	0	4	1	0	0	0	0	0	1	2	1	0	9
				11-27	3	0	0	0	0	0	1	0	0	7	2	5	18
				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	4	1	0	0	0	1	1	1	9	3	5	28
1500	1	0	0	1-10	3	3	0	0	0	0	0	1	1	2	0	3	12
				11-27	2	0	0	0	0	0	0	0	0	6	3	4	15
				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	5	3	0	0	0	0	0	1	2	8	3	6	28
1800	7	0	0	1-10	3	0	0	0	0	0	1	0	1	3	2	2	12
				11-27	1	0	1	0	0	0	0	0	0	4	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	4	0	1	0	0	0	1	0	1	7	4	5	23
2100	8	0	0	1-10	3	2	1	0	0	0	0	1	0	4	1	1	13
				11-27	1	1	0	0	0	0	1	0	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	4	3	1	0	0	0	1	1	0	7	1	2	20

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DAKHLA — FEBRUARY 1961

Hour (C.T.)	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	4		1–10	1	0	2	0	0	1	0	0	3	12	2	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	1	0	2	0	0	1	0	0	3	12	2	2	23
0300	4			1–10	2	0	1	1	0	0	1	1	10	1	6	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	2	0	1	1	0	0	1	1	10	1	6	1	24
0600	3	0		1–10	0	0	2	2	0	1	0	2	5	2	3	2	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	2	2	0	1	0	2	5	2	3	2	16
0900	6	4		1–10	3	0	2	1	0	1	0	0	0	1	4	3	15
				11–27	4	1	1	0	0	0	0	0	0	1	4	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	7	1	3	1	0	1	0	0	0	2	8	5	28
1200	0	0	0	1–10	0	1	0	1	0	0	1	0	2	2	2	4	13
				11–27	4	0	0	0	0	0	0	0	0	3	4	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	4	1	0	1	0	0	1	0	2	5	6	8	28
1500	1	0	0	1–10	2	0	0	0	0	0	0	0	1	2	2	3	10
				11–27	4	1	0	0	0	0	0	0	1	1	5	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	6	1	0	0	0	0	0	0	2	3	7	8	27
1800	1	0	0	1–10	5	1	1	0	0	1	0	0	3	3	9	2	25
				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 speed	5	1	1	0	0	1	0	0	3	3	10	3	27
2100	2	0	0	1–10	0	0	0	2	1	0	0	1	3	5	11	1	24
				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	2	1	0	0	1	4	5	12	1	26

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

KHARGA — FEBRUARY 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of directions indicated												
					345 / 015	015 / 045	045 / 075	075 / 105	105 / 134	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	315 / 344	All directions
0000	24	0	0	1–10	4	0	0	0	0	0	0	0	0	0	0	0	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	4	0	0	0	0	0	0	0	0	0	0	0	4
0300	24	0	0	1–10	4	0	0	0	0	0	0	0	0	0	0	0	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	4	0	0	0	0	0	0	0	0	0	0	0	4
0600	18	0	0	1–10	6	1	0	0	0	0	0	0	0	0	0	1	8
				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	1	0	0	0	0	0	0	0	0	0	1	10
0900	4	0	0	1–10	10	1	0	0	0	1	2	0	0	0	0	1	15
				11–27	6	1	1	0	0	0	0	0	0	1	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	16	2	1	0	0	1	2	0	0	1	0	1	24
1200	4	0	0	1–10	6	0	0	0	0	0	1	1	0	0	1	1	10
				11–27	9	0	1	0	0	0	0	0	0	2	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	15	0	1	0	0	0	1	1	0	2	2	2	24
1500	7	0	0	1–10	7	0	0	0	0	0	2	0	0	1	0	2	12
				11–27	7	0	0	0	0	0	0	0	0	0	1	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	14	0	0	0	0	0	2	0	0	1	1	3	21
1800	19	0	0	1–10	8	0	0	0	0	0	0	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	8	0	0	0	0	0	0	0	0	0	0	1	9
2100	24	0	0	1–10	4	0	0	0	0	0	0	0	0	0	0	0	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	4	0	0	0	0	0	0	0	0	0	0	0	4

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

TOR — FEBRUARY 1961

Hour (U.T.)	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	6	5	0	1	0	0	0	0	0	0	1	1	14
				11-27	0	0	0	0	0	0	0	0	0	3	3	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	**6**	**5**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**3**	**4**	**5**	**24**
0300	1	0	0	1-10	9	4	1	1	0	0	0	0	1	1	0	4	21
				11-27	0	0	0	0	0	0	0	0	0	0	3	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	**9**	**4**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**3**	**7**	**27**
0600	1	0	0	1-10	7	8	0	1	0	0	0	0	0	0	2	3	21
				11-27	0	0	0	0	0	0	0	1	0	0	2	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	**7**	**8**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**4**	**6**	**27**
0900	2	0	0	1-10	0	1	0	0	0	0	2	0	2	3	4	2	14
				11-27	0	0	0	0	0	0	0	0	0	1	7	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**	**1**	**0**	**0**	**0**	**0**	**2**	**0**	**2**	**4**	**11**	**6**	**26**
1200	3	0	0	1-10	0	0	0	0	0	0	1	0	0	6	2	3	9
				11-27	0	1	0	0	0	0	0	0	0	2	10	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**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**8**	**12**	**6**	**25**
1500	3	0	0	1-10	3	0	0	0	0	0	1	0	0	2	2	0	8
				11-27	3	0	0	0	0	0	0	0	0	0	10	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	**6**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**2**	**12**	**4**	**25**
1800	8	0	0	1-10	3	1	0	0	0	1	0	0	1	0	1	2	9
				11-27	2	0	0	0	0	0	0	0	0	1	3	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	**5**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**1**	**4**	**7**	**20**
2100	4	0	0	1-10	6	4	0	1	1	0	0	0	0	2	1	0	15
				11-27	0	0	0	0	0	0	0	0	1	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	**6**	**4**	**0**	**1**	**1**	**0**	**0**	**0**	**1**	**2**	**6**	**3**	**24**

TABLE A 10,—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

HURGHADA— FEBRUARY 1961

Hour (U.T.)	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	1	0	3	0	4
				11-27	0	0	0	0	0	0	0	0	0	0	14	8	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	0	0	0	0	0	0	0	0	1	0	17	9	27
0300	0	0	0	1-10	0	0	0	0	0	0	0	1	0	0	3	2	6
				11-27	0	0	0	0	0	0	0	0	0	1	18	2	21
				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	1	21	5	28
0600	0	0	0	1-10	0	0	0	0	0	0	0	0	1	2	1	0	4
				11-27	0	0	0	0	0	0	0	0	0	0	20	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	0	0	0	0	0	0	0	0	1	2	21	4	28
0900	0	0	0	1-10	0	0	1	0	0	0	0	0	2	0	1	0	4
				11-27	0	0	0	0	0	0	1	0	0	0	0	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	0	0	1	0	0	0	1	0	2	0	1	17	28
1200	0	0	0	1-10	3	2	0	1	0	0	0	0	0	0	0	0	6
				11-27	11	3	0	0	0	0	0	0	0	0	2	4	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	16	5	0	1	0	0	0	0	0	0	2	4	28
1500	0	0	0	1-10	2	2	3	0	2	1	0	0	0	0	0	0	10
				11-27	10	0	0	0	0	0	0	0	0	0	3	3	16
				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	13	2	3	0	2	1	0	0	0	0	3	4	28
1800	1	0	0	1-10	0	0	0	1	0	0	1	0	3	0	2	0	7
				11-27	1	0	0	0	0	0	0	0	0	1	6	10	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	1	0	0	1	0	0	1	0	3	1	8	12	27
2100	1	0	0	1-10	0	0	0	0	0	0	0	0	3	2	0	2	7
				11-27	0	0	0	0	0	0	0	0	0	1	15	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	0	0	0	0	0	0	0	0	3	3	15	6	27

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

QUSEIR — FEBRUARY 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of directions indicated												All directions
					345/015	015/045	045/074	074/104	104/134	134/164	164/194	194/224	224/254	254/284	284/314	314/344	
0000	0	0	0	1-10	0	0	0	0	0	0	0	0	0	16	2	1	19
				11-27	0	0	0	0	0	0	0	0	0	3	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**19**	**3**	**6**	**28**
0300	0	0	0	1-10	0	0	0	0	0	0	0	0	0	17	3	0	20
				11-27	1	0	0	0	0	0	0	0	0	1	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**18**	**3**	**6**	**28**
0600	1	0	0	1-10	0	0	0	0	0	0	0	1	0	15	2	1	19
				11-27	0	0	0	0	0	0	0	0	0	0	1	7	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**	**0**	**0**	**1**	**0**	**15**	**3**	**8**	**27**
0900	0	0	0	1-10	5	2	0	0	0	0	0	0	0	1	3	2	13
				11-27	8	0	0	0	0	0	0	0	0	4	0	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	**13**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**3**	**5**	**28**
1200	0	0	0	1-10	4	4	3	0	0	0	0	0	0	0	0	0	11
				11-27	7	2	0	0	0	0	0	0	1	3	4	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	**11**	**6**	**3**	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**4**	**0**	**28**
1500	0	0	0	1-10	5	3	2	1	0	0	0	0	1	0	0	2	14
				11-27	9	0	0	0	0	0	0	0	0	3	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	**14**	**3**	**2**	**1**	**0**	**0**	**0**	**0**	**1**	**3**	**1**	**3**	**28**
1800	5	0	0	1-10	0	0	0	1	0	0	1	0	0	7	2	1	12
				11-27	2	0	0	0	0	0	0	0	0	1	2	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	**2**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**8**	**4**	**7**	**23**
2100	2	0	0	1-10	0	0	0	0	0	0	1	0	0	13	1	1	16
				11-27	2	0	0	0	0	0	0	0	0	2	2	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**	**1**	**0**	**0**	**15**	**3**	**5**	**26**

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ALEPPO (A) — 0000 U.T. — FEBRUARY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	28	* 971mb	* 982mb	* 967mb	28	3.6	7.7	— 2.8	28	1.0
1000	—	—	—	—	—	—	—	—	—	—
850	28	1471	1556	1428	28	1.5	9.0	— 7.4	27	— 6.1
700	28	3006	3106	2925	28	— 8.1	— 3.4	—17.6	27	—16.5
600	28	4187	4306	4066	28	—15.1	—10.0	—22.5	27	—27.4
500	28	5540	5675	5404	28	—24.4	—20.8	—28.2	27	—37.1
400	28	7128	7280	6994	28	—36.0	—30.3	—39.5	27	—47.6
300	28	9[illegible]65	923[illegible]	[illegible]9[illegible]6	28	—49.7	—44.5	—56.1	27	—60.1
200	28	11693	11832	11574	28	—52.0	—46.4	—58.6	—	—
150	28	13552	13674	13433	28	—53.8	—49.6	—57.8	—	—
100	28	16[illegible]23	1[illegible]234	16[illegible]08	28	—59.5	—55.5	—[illegible]4.0	—	—
60	27	19[illegible]30	19[illegible]	18235	27	—61.7	—58.3	—65.0	—	—
40	26	21891	21905	21[illegible]0	26	—61.1	—56.2	—64.0	—	—
30	21	2[illegible]6[illegible]	23391	23500	21	—60.5	—55.8	—62.9	—	—
20	5	26151	26228	26061	5	—59.6	—57.6	—62.0	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ALEPPO (A) — 1200 U.T. — FEBRUARY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	27	* 971mb	* 981mb	* 961mb	27	10.6	14.4	— 4.5	27	1.4
1000	—	—	—	—	—	—	—	—	—	—
850	27	1474	1562	1416	27	1.4	6.1	— 7.1	27	— 7.0
700	27	3[illegible]08	3115	2933	27	— 8.2	— 3.4	—18.7	27	—16.8
600	27	419[illegible]	4313	4074	27	—15.1	— 9.6	—24.9	27	—27.7
500	27	5543	5686	5377	27	—21.4	—19.0	—32.1	27	—37.1
400	27	7131	7300	6939	27	—[illegible]6.1	—30.8	—39.9	27	—47.5
300	27	9[illegible]69	9278	8873	27	—49.1	—44.9	—54.1	27	—60.5
200	27	11697	11903	11552	27	—51.7	—46.8	—57.8	—	—
150	27	13560	13731	13429	27	—53.6	—49.2	—58.6	—	—
100	27	16128	16277	15998	27	—[illegible]9.6	—56.1	—65.1	—	—
60	27	19327	19445	19110	27	—61.5	—57.6	—67.3	—	—
40	25	21894	22[illegible]10	2[illegible]580	25	—60.5	—56.2	—67.4	—	—
30	23	23622	23740	23259	23	—59.3	—53.6	—67.4	—	—
20	17	26153	26298	25732	17	—58.3	—51.2	—65.3	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A)—0000 U.T.— FEBRUARY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	26	1015mb*	1025mb*	1004mb*	26	11.1	13.8	8.3	26	6·8
1000	26	169	249	75	26	10.8	14.3	7.9	26	6.1
850	26	1404	1584	1420	26	1.5	8.6	— 1.8	26	— 2.6
700	26	3046	3144	2969	25	— 6.2	— 2.9	—10.6	12	—15.3
600	26	4237	4351	4136	26	—12.8	— 2.8	—18.8	9	—21.2
500	26	5662	5744	5479	26	—22.6	—16.4	—29.2	6	—29.5
400	26	7207	7382	7033	26	—34.1	—26.4	—42.2	5	—42.6
300	26	9169	9378	8955	26	—46.0	—41.3	—52.4	—	—
200	26	11813	12004	11643	26	—52.4	—43.0	—58.0	—	—
150	26	13661	13975	13501	26	—56.9	—54.2	—61.0	—	—
100	25	16180	16549	16081	25	—64.5	—58.2	—71.6	—	—
60	16	19290	19383	19226	16	—64.1	—61.5	—67.5	—	—
40	8	21804	21864	21707	8	—61.4	—58.6	—64.4	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A)— 1200 U.T. — FEBRUARY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	27	1015mb*	1025mb*	1003mb*	27	15.0	19.8	10·7	27	7·5
1000	27	167	251	67	27	13.7	19.0	10.2	27	6.2
850	27	1507	1589	1400	27	2.3	5.1	— 1.5	27	— 3.0
700	27	3051	3146	2936	27	— 5.3	0.7	— 8.9	15	—15.2
600	27	4213	4360	4115	27	—13.2	— 7.9	—18.8	13	—23.2
500	27	5612	5754	5452	27	—21.8	—14.6	—28.6	9	—31.6
400	27	7221	7381	7012	27	—33.3	—25.9	—41.1	6	—42.3
300	27	9190	9379	8902	27	—46.4	—40.8	—50.6	—	—
200	27	11799	12054	11564	27	—52.2	—44.4	—57.1	—	—
150	27	13682	13903	13422	27	—56.7	—46.8	—66.4	—	—
100	26	16213	16412	16059	26	—63.2	—57.9	—68.6	—	—
60	23	19365	19526	19287	23	—62.3	—55.7	—66.2	—	—
40	16	21879	22042	21808	16	—59.8	—57.1	—62.5	—	—
30	8	23695	23865	23612	8	—56.2	—53.2	—58.7	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1. — UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 0000 U.T. — FEBRUARY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	25	1002mb*	1010mb*	995mb*	25	10.7	12.2	7.8	25	4.7
1000	25	160	224	99	18	10.9	12.0	7.8	18	5.0
850	25	1499	1567	1429	23	3.1	9.0	0.3	23	— 2.1
700	25	3052	3128	2974	25	— 3.9	0.0	—10.2	15	—15.4
600	25	4256	4352	4161	25	— 9.7	— 2.4	—14.8	5	—21.6
500	25	5641	5769	5523	25	—18.3	—10.8	—23.7	4	—25.8
400	25	7267	7437	7139	25	—30.3	—25.2	—36.2	2	—25.8
300	24	9261	9461	9131	24	—41.6	—31.9	—46.2		—35.5
200	19	11958	12150	11830	19	—51.9	—46.3	—57.2	—	—
150	16	13796	13996	13673	16	—58.1	—52·0	—60.0	—	—
100	14	16302	16561	16146	14	—66.4	—59.6	—72.0	—	—
60	2	19369	19447	19291	2	—62.2	—59.0	—65.5	—	—
40	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 1200 U.T. — FEBRUARY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	24	1002mb*	1009mb*	994mb*	24	16.8	20.8	13.0	24	5.5
1000	24	156	217	42	18	16.0	19.7	14.9	18	4.8
850	24	1506	1572	1430	24	3.1	7.0	— 2.0	24	— 2.8
700	24	3057	3134	2978	24	— 4.4	3.2	—10.0	10	—15.8
600	24	4257	4350	4168	24	—10.8	— 2.6	—16.7	5	—22.5
500	24	5638	5760	5529	24	—18.9	— 7.9	—26.0	4	—28.8
400	24	7262	7415	7113	24	—30.7	—25.5	—38.0	—	—
300	24	9255	9430	9053	24	—41.6	—35.9	—46.0	—	—
200	23	11940	12092	11785	23	—51.4	—45.3	—56.5	—	—
150	16	13785	13930	13634	16	—57.0	—51.3	—67.0	—	—
100	12	16283	16394	16169	12	—65.0	—59.6	—71.5	—	—
60	5	19336	19446	19295	5	—64.4	—62.9	—65.8	—	—
40	3	21921	22025	21814	3	—57.9	—54.8	—59.7	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A)— 0000 U.T. — FEBRUARY 1961

N=The number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	28	1005mb*	1009mb*	999mb*	28	12.4	16.0	10.5	28	— 0.9
1000	27	152	181	106	27	12.3	16.0	10.3	27	— 0.9
850	28	1501	1533	1461	28	6.6	14.9	— 0.5	20	— 7.0
700	28	3084	3157	3018	28	2.4	8.3	— 7.4	—	—
600	28	4316	4408	4204	28	— 3.8	0.8	—10.9	—	—
500	28	5735	5839	5591	28	—12.3	— 7.1	—18.7	—	—
400	28	7410	7520	7219	28	—22.3	—15.5	—30.6	—	—
300	28	9468	9600	9214	28	—35.6	—27.1	—44.2	—	—
200	21	12177	12371	11936	21	—54.7	—44.9	—60.4	—	—
150	16	13989	14243	13724	16	—65.3	—57.0	—71.0	—	—
100	4	16402	16624	16119	4	—73.2	—67.8	—76.8	—	—
60	2	19426	19637	19214	2	—75.8	—74.8	—76.7	—	—
40	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A)— 1200 U.T. — FEBRUARY 1961

N=The number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	27	1005mb*	1008mb*	999mb*	27	22.8	26.5	20.2	27	2.2
1000	26	150	175	123	26	22.1	26.2	19.6	26	1.3
850	27	1523	1567	1486	27	9.5	18.7	4.3	17	—12.9
700	27	3124	3196	3028	27	4.5	10.0	— 8.0	—	—
600	27	4362	4456	4234	27	— 1.6	6.7	— 6.0	—	—
500	27	5792	5936	5654	27	—10.0	0.0	—15.1	—	—
400	27	7482	7690	7335	27	—19.8	— 8.0	— 27.2	—	—
300	27	9556	9858	9370	27	—34.0	—18.3	—39.0	—	—
200	23	12286	12735	12111	23	—52.3	—35.7	—58.4	—	—
150	17	14080	14682	13933	17	—64.3	—48.0	—70.3	—	—
100	3	16470	16533	16372	3	—76.3	—74.8	—77.8	—	—
60	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

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 1961

N = the number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000–360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Aleppo (A)	1830 (24)	813 (24)	—7.1 (23)	2625	—	—	1340	—	—	9785 (28)	271 (28)	—54.0 (28)	11300	—	—	8515	—	—	—	—	—	—
Mersa Matruh (A)	1772 (26)	799 (26)	—1.1 (24)	2840	719	— 3.8	1270	878	— 3.9	10701 (14)	240 (14)	—54.1 (14)	13320	155	—56.1	8760	311	—49.4	15400	116	240	102
Helwan	2120 (25)	790 (25)	—5.0 (19)	3500	668	—	1470	854	— 1.1	10645 (11)	247 (11)	—50.2 (11)	12280	196	—49.7	7860	362	—38.5	10500	—	320	130
Aswan (A)	3470 (28)	670 (28)	—10.4 (4)	4710	576	—	1400	859	—11.6	13942 (6)	156 (6)	—66.4 (6)	16120	100	—76.0	12370	195	—61.8	7350	404	250	133

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 1961

N = The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000–360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Aleppo (A)	1726 (27)	825 (27)	— 9.1 (27)	2425	—	—	765	—	—	9988 (27)	262 (27)	—53.9 (27)	11740	—	—	8760	—	—	10740	227	240	110
Mersa Matruh (A)	1794 (27)	821 (27)	— 5.1 (25)	3140	693	—	1340	870	— 5.0	10414 (17)	257 (17)	—53.3 (17)	12180	293	— 51.0	9210	396	— 51.1	14500	131	260	113
Helwan	2130 (24)	788 (24)	— 5.8 (20)	3160	696	—	1570	837	— 1.6	10740 (14)	245 (14)	—50.4 (14)	15500	115	—64.2	8150	342	—47.1	14600	130	280	137
Aswan (A)	4076 (27)	625 (27)	— —	5940	500	—	1880	810	—12.1	12900 (4)	180 (4)	—59.9 (4)	13480	162	—57.6	12530	190	—61.8	5900	488	250	125

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. — FEBRUARY 1961

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	3	18	3	7	3	7	2	6	0	—	0	—	0	—	0	—	0	—	0	—	1	3	1	11	15	38	4
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	0	—	2	15	0	—	2	10	2	5	0	—	2	5	2	12	5	18	1	12	0	—	1	13	0	17	12
700	1	12	1	15	0	—	1	18	0	—	1	12	0		3	17	3	22	1	19	1	24	0	—	0	12	18
600	0	—	0	—	0	—	0	—	0	—	0	—	0		2	17	1	13	1	24	0	—	1	17	0	5	18
500	0	—	0	—	0	—	0	—	0	—	1	15	0	—	0	—	0	—	0	—	0	—	0	—	0	1	15
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. — FEBRUARY 1961

N=The number of cases the wind has been observed from the range of direction during the month.
TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	1	10	1	6	4	14	8	10	1	10	0	—	0	—	0	—	2	6	6	12	2	8	0	—	2	27	10
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	1	8	3	9	2	9	2	16	1	23	0	—	2	16	2	12	1	8	1	8	2	13	2	8	1	20	11
700	0	—	1	12	0	—	0	—	0	—	0	—	4	14	0	—	2	11	6	18	1	22	2	13	0	16	15
600	1	11	1	24	0	—	0	—	0	—	0	—	0	—	2	26	2	27	4	19	2	20	1	15	0	13	21
500	1	25	0	—	0	—	0	—	0	—	0	—	0	—	1	19	3	43	3	14	1	32	3	14	0	12	24
400	1	22	0	—	0	—	0	—	0	—	0	—	0	—	1	28	3	56	3	29	1	15	3	23	0	12	33
300	1	20	0	—	0	—	0	—	0	—	0	—	0	—	1	31	1	80	1	60	2	18	3	36	0	9	37
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	60	4	53	2	51	0	—	0	9	55
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	49	0	—	0	—	0	8	49
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.— FEBRUARY 1961

N = the number of cases the wind has been observed from the range of direction during the month.
TN = the total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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 of station	1	17	1	8	0	—	0	—	0	—	1	13	1	18	5	19	7	11	4	11	2	18	3	21	1	26	14
1000	1	22	2	6	0	—	0	—	0	—	1	15	0	—	3	21	10	14	5	10	1	41	3	20	0	26	16
850	2	14	0	—	0	—	1	6	0	—	0	—	0	—	3	21	2	26	7	20	3	25	8	20	0	26	20
700	0	—	1	18	0	—	0	—	0	—	1	17	0	—	1	27	7	25	6	24	5	18	5	21	0	26	22
600	1	16	0	—	0	—	0	—	0	—	0	—	0	—	3	30	8	34	4	28	7	22	3	25	0	26	28
500	1	20	0	—	0	—	0	—	0	—	0	—	0	—	3	38	4	34	12	35	4	56	2	19	0	26	37
400	1	8	1	75	0	—	0	—	0	—	0	—	0	—	1	22	5	42	11	44	2	46	2	30	0	23	42
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	44	6	70	11	60	3	43	0	—	0	21	60
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	80	4	88	9	68	0	—	0	—	0	14	74
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	99	1	85	6	70	1	32	0	—	0	9	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

MERSA MATRUH (A) — 1200 U.T. — FEBRUARY 1961.

N=The number of cases the wind has been observed from the range of direction during the month.

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Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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 of station...	0	—	1	38	1	11	0	—	0	—	0	—	0	—	2	21	4	20	2	20	6	15	11	18	0	27	18
1000...	2	18	0	—	0	—	1	9	0	—	0	—	0	—	2	20	6	19	2	20	5	16	9	14	0	27	16
850...	3	10	0	—	0	—	1	9	0	—	0	—	0	—	1	24	5	21	4	22	8	18	5	17	0	27	18
700...	1	17	0	—	0	—	0	—	1	16	0	—	1	13	0	—	7	29	2	14	12	22	3	17	0	27	22
600...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	32	3	34	8	26	9	25	3	22	0	27	27
500...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	56	4	45	12	40	8	29	1	36	0	27	38
400...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	83	4	52	16	40	5	41	0	—	0	27	45
300...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	80	3	72	11	52	7	43	0	—	0	22	53
200...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	68	8	68	2	49	0	—	0	12	64
150...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	78	5	66	1	40	0	—	0	8	66
100...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	41	1	56	1	53	0	—	0	3	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

HELWAN (A) 0000 U.T. — FEBRUARY 1961

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TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850...	3	16	0	—	1	14	0	—	0	—	0	—	0	—	1	11	5	28	3	29	6	17	5	13	0	24	18
700...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	26	6	30	7	25	9	25	2	24	0	25	26
600...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	30	3	35	13	38	6	42	0	—	0	24	38
500...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	52	6	49	13	54	4	56	0	—	0	24	53
400...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	52	7	60	10	74	0	—	0	—	0	19	66
300...	0	—	0	—	0	—	0	—	0	—	0	—	1	77	0	—	2	90	5	78	1	62	1	96	0	10	80
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.

HELWAN (A) — 1200 U.T. — FEBRUARY 1961

N = the number of cases the wind has been observed from the range of direction during the month.

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Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	1	7	1	6	2	14	0	—	1	13	0	—	1	9	3	16	2	24	4	18	5	22	4	10	0	24	17
700	0	—	0	—	1	9	1	28	0	—	0	—	0	—	2	26	3	23	9	27	6	22	2	28	0	24	24
600	0	—	0	—	0	—	1	37	0	—	0	—	0	—	1	31	3	29	10	34	6	31	2	31	0	23	32
500	0	—	0	—	0	—	1	44	0	—	0	—	0	—	0		4	39	14	52	3	46	1	32	0	23	48
400	1	26	0	—	1	63	0	—	0	—	0	—	0	—	0		4	72	15	70	0	—	0	—	0	21	68
300	0	—	0	—	0	—	1	108	0	—	0	—	0	—	0	—	3	98	8	75	1	58	0	—	0	13	81
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	84	0	—	0	—	0	3	84
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 1961

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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 of station	9	9	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	3	1	7	1	6	16	28	4
1000	9	9	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	3	1	7	1	6	15	27	4
850	7	11	2	10	2	5	0	—	0	—	0	—	0	—	1	9	0	—	4	14	6	8	5	11	1	28	10
700	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	9	29	14	25	3	4	2	20	0	28	25
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	10	45	17	37	1	30	0	—	0	28	40
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	15	62	13	46	0	—	0	—	0	28	55
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	11	76	12	63	0	—	1	18	0	24	67
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	88	9	84	0	—	0	—	0	13	85
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	108	0	—	0	—	0	2	108
150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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ASWAN (A)—1200 U.T.— FEBRUARY 1961

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Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	Mean scalar wind speed (knots)
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	N	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m	M	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m			
Surface of station	13	7	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	8	6	5	2	6	4	27	6
1000	13	7	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	11	6	5	2	6	4	26	6
850	2	10	2	9	2	2	0	—	0	—	0	—	1	5	0	—	3	15	7	12	5	12	5	14	0	27	11
700	0	—	0	—	1	38	0	—	0	—	0	—	0	—	2	18	4	36	16	26	4	26	0	—	0	27	27
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	13	48	14	35	0	—	0	—	0	27	42
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	12	65	13	53	0	—	0	—	0	25	59
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	9	82	12	68	0	—	0	—	0	21	74
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	83	0	—	0	—	0	5	82
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	97	0	—	0	—	0	1	67
150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

FEBRUARY 1961

This month was generally cold and rainy as compared with the normal values of air temperature and total rainfall for Giza during February. The daily mean air temperature at 2 metres above ground was below normal (—0.9°C), the total monthly rainfall was 5 mms. above normal and the daily mean relative humidity was below normal (—3%).

The minimum air temperature at 5 cms. above grass (Libia) fell below 0°C on seven days. The duration of air temperatures below 0°C on these days together with the actual values of minimum air temperatures are given in the following table :

Air temperatures below 0°C at 5cms. above grass (Libia)

Date	Minimum air temperature	Duration in hours (to the nearest half) of air temperature below the following limits		
		0°C	—1°C	—2°C
12	—0.8°C	1.5	0.0	0.0
17	—1.9°C	3.5	1.0	0.0
20	—1.3°C	2.0	0.5	0.0
21	—0.6°C	0.0	0.0	0.0
24	—0.7°C	2.0	0.0	0.0
25	—1.1°C	2.0	0.0	0.0
26	—0.5°C	1.0	0.0	0.0

The absolute maximum soil temperatures at 50 cms. depth and shallower layers in the dry field and at 100 cms. depth and shallower layers in the wet and grass fields were lower than the corresponding values of February 1960 ; while at deeper layers they were higher. The maximum deviations were—7.7°C at 1cm. depth, +1.1°C at 200 cms. depth in the dry field. The absolute minimum soil temperatures showed irregular deviations within 1.5°C from the corresponding values of last February.

The daily mean wind speed at 2 metres above ground was higher than the corresponding value of February 1960 (+ 0.7 m/sec). The daily mean values of Piche evaporation and water pan evaporation were higher (+ 1.4, + 0.15 mms. respectively), while the daily mean values of potential evaporation and potential evapotranspiration were lower (—0.1,—0.5 mms. respectively) than the corresponding values of last Feb. The total actual duration of bright sunshine was 48.3 hours less than the corresponding value of February 1960.

REVIEW OF AGRO-METEOROLOGICAL STATION AT TAHRIR

FEBRUARY 1961

This month had the same daily mean air temperature as February 1960, but its monthly temperature range was less by 8.4°C. The daily mean values of relative humidity and vapour pressure were less than the corresponding values of last February by 11% and 1.4 mms. respectively. The total monthly rainfall was 11.9 mms. against trace for last February.

The percentage of the total actual to the totol possible duration of bright sunshine and the total (solar + sky) radiation were less by 19% and about 1800 gm. cal./cm2 respectively than the corresponding values of February 1960.

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

GIZA — FEBRUARY 1961

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	15.2	8.1	11.3	11.2	12.1	24.0	24.0	24.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	19.2	7.3	12.8	10.7	14.1	24.0	24.0	24.0	17.5	7.0	0.0	0.0	0.0	0.0	0.0	0.0
3	21.3	9.2	14.9	12.8	16.8	24.0	24.0	24.0	22.0	11.0	1.5	0.0	0.0	0.0	0.0	0.0
4	22.3	9.8	15.2	14.2	17.7	24.0	24.0	24.0	24.0	11.0	4.0	0.0	0.0	0.0	0.0	0.0
5	23.8	9.3	15.5	13.2	18.9	24.0	24.0	24.0	23.5	11.5	6.0	0.0	0.0	0.0	0.0	0.0
6	18.9	7.4	13.3	12.3	14.4	24.0	24.0	24.0	18.5	10.5	0.0	0.0	0.0	0.0	0.0	0.0
7	16.3	10.3	13.5	13.8	13.6	24.0	24.0	24.0	24.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
8	19.5	6.8	13.2	12.8	15.7	24.0	24.0	24.0	21.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
9	19.2	6.9	12.5	9.1	15.1	24.0	24.0	24.0	16.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
10	16.2	7.4	11.2	11.1	12.5	24.0	24.0	24.0	15.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
11	17.8	6.2	11.1	9.7	13.7	24.0	24.0	24.0	11.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0
12	18.6	6.1	12.2	8.4	14.3	24.0	24.0	24.0	15.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
13	19.0	8.4	13.8	12.5	15.3	24.0	24.0	24.0	21.5	10.0	0.0	0.0	0.0	0.0	0.0	0.0
14	17.7	9.5	12.8	12.7	14.4	24.0	24.0	24.0	23.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0
15	18.5	7.5	12.2	10.5	13.4	24.0	24.0	24.0	19.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
16	17.2	7.0	12.2	11.6	13.8	24.0	24.0	24.0	17.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0
17	19.7	3.6	11.8	8.1	14.6	24.0	24.0	22.5	15.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
18	19.7	8.0	13.6	12.2	15.7	24.0	24.0	24.0	20.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
19	19.4	6.6	12.6	10.5	15.1	24.0	24.0	24.0	15.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
20	18.3	3.5	11.9	9.3	14.2	24.0	24.0	24.0	15.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
21	18.6	5.4	12.2	11.1	14.1	24.0	24.0	24.0	15.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
22	20.3	4.3	12.3	9.0	15.1	24.0	24.0	24.0	15.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
23	18.2	7.9	13.0	11.8	15.0	24.0	24.0	24.0	20.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
24	18.9	4.7	12.0	9.3	15.0	24.0	24.0	24.0	14.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
25	18.5	4.6	11.9	9.2	15.0	24.0	24.0	23.5	15.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
26	18.8	4.9	11.7	9.4	14.4	24.0	24.0	24.0	16.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0
27	18.3	8.7	12.6	11.2	14.6	24.0	24.0	24.0	20.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
28	16.5	9.1	11.5	10.6	13.0	24.0	24.0	24.0	13.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	—	—	—	—	—	672	672	670	502	200	12.0	0.0	0.0	0.0	0.0	0.0
Mean	18.8	7.1	12.7	11.0	14.7	24	24	23.9	17.9	7.1	0.4	0.0	0.0	0.0	0.0	0.0

Highest maximum at 2 metres 23.8 °C on 5 th. Highest minimum at 2 metres 10.3 °C on 7th,

Lowest " " " 15.2 °C on 1st. Lowest " " " 3.5 °C on 20th.

Absolute minimum temperature at 5 cms. above dry soil —1.2 °C on 17 th.

" " " " " wet soil +0.4 °C on 17 th.

" " " " grass —2.0 °C on 17 th.

TABLE 01.—AIR TEMPERATURES AT 2 METRES ABOVE GROUND; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms ABOVE GROUND OVER DIFFERENT FIELDS

TAHRIR—FEBRUARY 1961

Date	Air Temperature (°C)					Duration in hours to the nearest half hour of air temperature above the following values										
	Max.	Min.	Mean of the day	Nigh 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	16.2	9.2	11.9	11.5	13.1	24.0	24.0	24.0	18.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
2	19.5	8.6	13.1	10.8	14.7	24.0	24.0	24.0	23.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
3	20.8	9.1	14.6	12.4	16.9	24.0	24.0	24.0	21.5	11.5	2.0	0.0	0.0	0.0	0.0	0.0
4	22.9	9.0	15.7	13.3	18.2	24.0	24.0	24.0	22.0	12.5	6.0	0.0	0.0	0.0	0.0	0.0
5	24.7	10.6	16.2	14.2	19.7	24.0	24.0	24.0	24.0	10.0	6.5	0.0	0.0	0.0	0.0	0.0
6	20.0	8.7	14.2	12.0	15.9	24.0	24.0	24.0	18.5	12.0	0.0	0.0	0.0	0.0	0.0	0.0
7	16.3	10.9	13.2	14.3	14.0	24.0	24.0	24.0	24.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
8	18.6	10.3	13.0	11.5	14.5	24.0	24.0	24.0	24.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
9	19.5	6.7	13.2	10.6	15.2	24.0	24.0	24.0	16.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0
10	15.6	9.1	12.1	12.5	12.9	24.0	24.0	24.0	22.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
11	19.1	6.7	12.4	10.2	14.5	24.0	24.0	24.0	16.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
12	18.5	7.3	12.6	10.9	14.8	24.0	24.0	24.0	16.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
13	18.4	8.3	13.4	11.1	14.8	24.0	24.0	24.0	20.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0
14	17.5	10.9	13.8	14.0	15.0	24.0	24.0	24.0	24.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
15	17.5	9.6	12.8	11.4	14.2	24.0	24.0	24.0	23.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
16	17.1	8.5	12.0	11.3	13.8	24.0	24.0	24.0	17.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0
17	20.1	6.4	12.5	9.5	15.0	24.0	24.0	24.0	15.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
18	20.2	10.5	14.1	12.1	16.2	24.0	24.0	24.0	24.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
19	17.7	9.1	13.3	12.1	15.5	24.0	24.0	24.0	23.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
20	21.0	6.8	12.5	9.9	15.1	24.0	24.0	24.0	15.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
21	17.8	6.0	11.4	9.7	14.5	24.0	24.0	24.0	13.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
22	19.4	6.4	12.7	9.0	15.3	24.0	24.0	24.0	16.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
23	18.6	8.8	13.2	12.4	15.1	24.0	24.0	24.0	20.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
24	18.0	8.5	12.8	11.0	15.2	24.0	24.0	24.0	18.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
25	19.6	8.6	12.8	10.2	15.3	24.0	24.0	24.0	17.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
26	17.9	8.2	12.3	10.9	13.9	24.0	24.0	24.0	19.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
27	17.5	8.6	12.0	10.7	13.9	24.0	24.0	24.0	17.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
28	16.0	8.8	11.2	10.4	12.1	24.0	24.0	24.0	16.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Total ..	—	—	—	—	—	672	672	672	547.5	204.5	14.5	0.0	0.0	0.0	0.0	0.0
Mean ..	18.8	8.6	13.0	11.4	15.0	24	24	24	19.6	7.3	0.5	0.0	0.0	0.0	0.0	0.0

Highest maximum at 2 metres 24.7°C. on 5th.
Lowest ,, ,, ,, ,, 15.6°C on 10th.
Absolute, minimum temperature at 5 cms. above dry soil 3.8 °C on 21st.
,, ,, ,, ,, ,, ,, wet soil — on —
,, ,, ,, ,, ,, ,, grass — on —

Highest minimum at 2 metres 10.9°C on 7th. & 14th.
Lowest minimum at 2 metres 6.0°C on 21st.

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

GIZA — FEBRUARY 1961.

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	1.4	3.5	120	0.9	10.8	8	2	20	88	96	9.2	10.2	1.5	0.75	3.2
2	1.9	1.3	2.7	236	4.5	10.8	42	3	9	70	47	7.2	7.2	5.9	3.22	tr
3	2.8	1.5	4.5	371	7.6	10.8	70	0	0	57	38	6.6	6.7	10.7	4.73	0.0
4	2.8	2.0	3.9	393	10.2	10·8	94	0	0	54	33	6.2	6.3	11.7	5.83	0.0
5	3.1	1.8	4.8	391	10.0	10.9	92	0	1	56	26	6.2	5.4	11.8	5.50	2.2
6	4.2	2.8	6 2	406	9.5	10.9	87	0	3	54	36	5.6	5.5	16.9	9.52	tr
7	5.8	4.9	7.1	86	0.0	10.9	0	0	0	54	53	6.3	6.6	11.5	4.11	tr
8	4.1	4.7	3.2	333	6.3	11.0	57	0	3	70	44	7.0	6.8	6.6	3.70	0.0
9	2.2	0.9	4.0	426	10.1	11.0	92	0	0	55	33	5.4	5.0	10.2	5.60	0.0
10	2.9	2.0	4.1	243	4.4	11.0	40	0	0	64	42	5.9	5.4	6.4	3.73	0.5
11	2.8	2·3	3.5	408	10.0	11.0	91	0	3	73	39	6.2	5.7	6.4	4.25	0.0
12	2.9	0.9	5.7	314	6.3	11.0	57	0	0	59	42	6.1	6.0	11.4	4.53	0.1
13	4.0	3.5	4.8	392	8.0	11.1	72	0	1	58	37	6.3	6.0	13.3	5.42	0.0
14	3 8	2.9	5.0	255	6 0	11.1	54	0	2	67	59	7.2	8.2	6.3	3.59	1.2
15	1.9	1.3	2.8	241	5.5	11.1	50	0	8	68	50	6.8	7.0	5.4	3.04	0.1
16	3.0	1.7	4.9	342	7.8	11.2	70	0	3	68	52	6.7	7.0	6.6	2.94	0.0
17	1.1	0.4	1.9	408	10.0	11.2	89	7	8	70	39	7.5	6.2	6.0	3.72	0.0
18	1.7	1.1	2.6	346	8.0	11.2	71	0	8	70	43	7.4	7.1	6.0	3.71	0·0
19	1.9	0.6	3.7	350	8.5	11.2	76	0	9	68	47	7.3	7.4	7.0	3.87	0.0
20	1.5	0.9	2.3	339	8.3	11.3	73	5	8	66	39	6.3	5.7	7.4	4.37	0.0
21	2 8	1.5	4.6	429	10.5	11.3	93	0	6	69	38	6.2	5.7	9·5	4.91	0.0
22	2.7	1.9	3.8	427	10.3	11 4	90	2	9	75	44	7.3	7.2	7.5	4.90	0.0
23	2 3	1.4	3.7	328	7.1	11.4	62	0	6	72	50	7.4	7.3	5.8	3.26	0.0
24	1.3	0.3	2.5	311	4·7	11.4	41	3	9	73	53	7.8	8.2	5.3	3.03	0.0
25	1.3	0 8	2.0	339	6.5	11.4	57	6	9	70	50	7.3	7.2	5.4	3.00	0.0
26	2.2	0.6	4.5	324	5.9	11.5	51	1	10	76	52	7.9	7.8	6.4	3·81	tr
27	2 1	1.3	3.3	309	5.1	11.5	44	0	13	85	52	8.0	7.1	4.7	3.29	1.3
28	1.8	1.6	2.1	310	5.3	11.5	46	7	11	79	53	7.4	6.9	3.7	3.31	0.0
Total ...	—	—	—	9177	197.3	311.7	1769	36	159	—	—	—	—	317.3	115.64	8.6
Mean ...	2.6	1.7	3.8	327.8	7.0	11.1	63	1.3	5.7	67	46	6.8	6.7	7.8	4.13	0.3

Maximum amount of rainfall in one day ... ... 3.2 mms. on 1st.
Lowest value of relative humidity ... ... 23 % on 5th.
Highest „ „ vapour pressure ... ... 10.3 mms. on 1st.
Lowest „ „ „ „ ... ... 4.6 mms. on 6th.

TABLE C2.—WIND SPEED, (SOLAR+SKY) RADIATION, DURATION OF BIRGHT SUNSHINE RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, EVAPORATION AND RAINFALL

TAHRIR — FEBRUARY 1961

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 millimeters		Evaporation in millimeters		Amount of rainfall in millimeters
	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	4.6	3.9	5.4	194	1.9	10.8	18	2	19	88	64	8.8	8.5	3.3	—	0.5
2	4.2	3.7	4.6	270	4.7	10.8	44	4	11	79	41	7.6	6.3	10.0	—	tr
3	4.8	3.8	5.8	302	7.8	10.8	72	0	0	66	40	7.3	7.0	12.1	—	0.0
4	3.8	3.0	4.6	361	10.5	10.8	97	0	0	56	30	6.1	5.6	16.3	—	0.0
5	5.8	4.2	7.4	372	9.1	10.8	84	0	0	64	19	6.6	4.3	19.2	—	0.7
6	6.6	4.4	8.7	350	8.2	10.8	76	0	0	50	28	5.2	4.7	28.4	—	0.0
7	10.0	9.2	10.7	149	0.0	10.9	00	0	4	72	51	7.4	6.9	14.0	—	7.2
8	6.2	7.0	5.4	339	7.6	10.9	70	0	9	78	56	8.1	8.2	8.5	—	tr
9	3.7	3.2	4.2	396	10.5	11.0	95	0	0	61	34	6.0	5.3	12.0	—	10
10	5.4	4.3	6.6	329	6.2	11.0	56	0	2	70	45	6.5	5.8	9.9	—	0.0
11	3.8	3.5	4.2	379	9.5	11.0	86	0	6	58	37	5.5	5.5	10.3	—	0.0
12	4.9	3.0	6.8	302	6.4	11.0	58	0	0	66	43	6.7	6.2	10.8	—	0.3
13	6.0	5.2	6.8	378	8.9	11.0	81	0	4	60	35	6.0	5.2	16.6	—	0.2
14	6.3	5.1	7.5	343	7.8	11.1	70	0	0	62	49	6.8	7.0	9.1	—	0.3
15	5.4	4.4	6.4	305	6.4	11.1	58	0	11	72	43	7.2	6.3	10.6	—	0.8
16	5.6	4.6	6.7	367	9.0	11.1	81	0	2	72	48	6.8	6.5	8.2	—	0.1
17	2.6	2.6	2.6	418	10.3	11.2	92	3	8	79	43	7.5	7.0	6.3	—	0.0
18	3.0	1.4	4.5	378	7.6	11.2	68	0	8	72	39	7.3	6.2	9.7	—	0.0
19	4.4	3.4	5.4	373	9.1	11.2	81	0	7	73	43	7.3	6.3	9.2	—	0.0
20	2.0	1.6	2.3	293	5.6	11.3	50	6	8	72	45	7.5	6.8	5.1	—	0.0
21	3.4	1.7	5.0	380	9.9	11.3	88	0	8	75	45	6.8	6.5	8.6	—	0.0
22	3.8	2.3	5.3	402	9.3	11.3	82	0	6	70	46	7.3	7.3	9.8	—	0.0
23	4.0	3.2	4.8	323	6.5	11.4	57	0	3	71	53	7.8	7.6	7.8	—	tr
24	3.8	2.8	4.8	288	4.3	11.4	38	0	8	74	47	7.5	7.1	8.0	—	0.0
25	3.2	2.4	3.9	350	5.6	11.4	49	0	0	70	39	6.9	5.8	7.4	—	0.0
26	4.6	3.4	5.9	272	4.9	11.5	43	0	7	79	67	8.4	9.0	3.9	—	0.9
27	4.2	2.9	5.4	373	6.2	11.5	54	0	15	83	68	8.3	8.6	5.1	—	0.6
28	2.6	2.1	3.0	268	2.4	11.5	21	4	9	81	57	7.1	6.6	3.6	—	0.8
Total	—	—	—	925.4	196.2	311.0	—	13	155	—	—	—	—	283.8	—	13.4
Mean	4.6	3.7	5.5	330.5	7.0	11.1	63	0.5	5.5	70	44	7.1	6.6	10.1	—	0.5

Maximum amount of rainfall in one day	7.2	mms.	on 7 th.
Lowest value of relative humidity	19	%	on 5 th.
Highest value of vapour pressure	9.7	mms.	on 5 th.
Lowest value of vapour pressure	4.3	mms.	on 5 th.

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

GIZA—FEBRUARY 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	38.3	2.0	25.1	4.0	20.5	6.4
1	34.0	3.3	20.8	4.3	18.6	6.2
2	29.8	4.8	19.8	5.2	18.0	7.4
5	23.6	7.7	18.3	6.8	17.1	8.4
10	20.0	11.7	16.8	8.7	15.8	10.5
20	18.6	15.4	15.3	10.9	15.1	11.9
50	19.1	17.6	15.0	13.3	15.9	14.7
100	20.8	19.9	16.0	15.0	17.3	16.5
200	23.7	22.5	19.3	18.1	20.9	19.7
300	25.1	24.2	—	—	—	—

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

TAHRIR—FEBRUARY 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	30.0	6.0	—	—	—	—
1	28.8	5.8	—	—	—	—
2	27.9	6.0	—	—	—	—
5	24.6	7.2	—	—	—	—
10	22.4	8.4	—	—	—	—
20	18.8	11.4	—	—	—	—
50	16.8	14.8	—	—	—	—
100	18.0	17.1	—	—	—	—
200	20.6	19.6	—	—	—	—
300	22.0	21.0	—	—	—	—

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

GIZA—FEBRUARY 1961

10 Knots or more ...	26 Days.	30 Knots or more ...	0 Days.
15 " " ...	13 "	35 " " ...	0 "
20 " " ...	2 "	40 " " ...	0 "
25 " " ...	0 "	The highest gust 29 knots on 7th.	

G.O., Govt. Printing Offices 1441—1964—150 ex.

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 4 NUMBER 3

MARCH, 1961

U. D. C. 551. 506.1 (62)

MINISTRY OF WAR–METEOROLOGICAL DEPARTMENT
CAIRO–EGYPT

CONTENTS

PAGE

General Summary of Weather Conditions ... ... 1 — 5

Surface Data

TABLE A 1.—Monthly Mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level ... ... 6·7

" A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours ... ... 8·9

" A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity 10,11

" A 4.—Maximum and Minimum Air Temperatures... 12,13

" A 5.—Rainfall and Snow Depth ... ... 14·15

" A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 16

" A 7.—Soil Temperatures at Fixed Hours... 17–19

" A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... 20·21

" A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... 22·23

" A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 24–46

Upper Air Data

TABLE B 1.—Upper Air Climatological Data 47-50

" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air ... ... 51·52

" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces 53–60

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir... ... ... 61·62

TABLE C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields ... ... 63·64

" C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall... ... ... 65·66

" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields 67

" C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity 68

Note :—For explanatory notes on the tables, please refer to volume 4 number 1 (January 1961).

GENERAL SUMMARY OF WEATHER CONDITIONS

MARCH 1961

Rather cold daytime, cold night time. Deficient monthly rainfall. Thunderstorms over Kamishly and Cairo. Snow fall over high ground in Syria. Widespread rising dust and duststorms in few days.

THE MAIN FEATURES

— Minimum temperatures below O°C in most districts of the Northern Region and the Western Desert district of the Southern Region most of the first ten days of the month. Subnormal maximum temperature most days of the month in the Southern Region.

— Subnormally low relative humidity most days of the month in the Northern Region and the Upper Egypt district of the Southern Region. Abnormally high relative humidity most of the first half of the month elsewhere.

— Subnormal monthly rainfall in general, markedly deficient in the Northern Region.

— The transits of secondary depressions through East Mediterranean.

— Widespread rising dust and duststorms on the 27 th and 28th in both Regions.

— Thundery activity over few scattered parts of both Regions

GENERAL DESCRIPTION OF WEATHER

During this month, the Northern Region was affected by cold air streams from southwest Russia, Asia Minor and Greece, while the Southern Region enjoyed during the first three weeks, mild air streams from Red Sea and north of Arabia.

During the rest part of the month, a khamsin wave prevailed for few days after which mild cold weather was experienced. During the heat wave, maximum temperature exceeded its normal values by 9°C in general (at Mersa Matruh, Alexandria and Cairo). The first ten days of the month were characterized with minimum temperatures below O°C in most districts of the Northern Region and the Western Desert district of the Southern Region. As an example on the 1st, minimum temperature fell to — 6°C at Aleppo, — 8°C at El Nabek and on the 3rd, it fell to 0°C at Farafra.

Rain fell on few scattered days of the month in most districts of the Northern Region and the northern sector of the Southern Region. Rain was light in general and deficiently subnormal (— 35 mms at Lattakia, — 13 mms at Aleppo,—11mms at Damascus, — 31 mms at Tel Alo, — 9 mms at Sidi Barrani, — 4 mms at Mersa Matruh, — 10 mms at Alexandria and —3mms at Cairo), though it was heavy locally at Kuneitra (30 mms on the 30 th), Lattakia (25 mms on the 15th), Aleppo (13 mms on the 30th), Kamishly (45 mms on the 15th) and El Arish (10 mms on the 19th). Rainfall was associated with thunderstorms in few scattered parts of both Regions. In addition, light showers of snow fell over high lands in the Northern Region, widespread rising dust and duststorms blew all over the Region round the 27th and 28th.

Mist and fog patches developed for few days over scattered localities of the Northern Region, Delta and Cairo Areas of the Southern Region.

The following table gives the mean monthly district value of various meteorological elements in the U.A.R. and their departures from their corresponding normal values :—

District	Atmospheric pressure (mb.) Corrected to M.S.L.			Air temperature (°C)						Relative humidity (%)			Total rainfall (mms.)	
				Maximum (A)		Minimum (B)		(A+B)/2						
	Derivation of the mean values (a,c)	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Derivation of the mean values (a,e)	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	a	1018.1	+2.7	19.4	—1.2	10.8	0.0	15.1	—0.6	a	60	— 6	4.5	—6.4
Lower Egypt	c	1018.1	+2.7	21.8	—1.5	8.1	—0.9	15.0	—1.2	e	71	— 5	1.9	—3.7
Cairo Area	a	1017.9	+2.4	21.8	—1.9	9.1	—1.3	15.4	—1.6	a	53	— 4	0.5	—2.4
Upper Egypt	a	1017.1	+2.4	24.6	—2.4	8.8	—1.1	16.7	—1.7	a	41	— 2	0.0	—0.5
Western Desert	a	1018.0	+2.1	23.8	—2.4	7.5	—2.0	15.6	—2.2	a	34	— 7	0.0	—0.1
Red Sea	a	1015.4	+1.6	23.0	—1.3	14.5	—1.0	18.7	—1.1	a	44	—10	0.0	—0.8

a = the 24 hours mean. c = 4 main synoptic hours mean. e = 06 and 18 U.T. hours mean.

PRESSURE DISTRIBUTION

During this month, the characteristic pressure systems over the surface map can be summarized in :

— The Siberian anticyclone to the east of the Black Sea.

— The Atlantic anticyclone and its establishment over Europe, Mediterranean and North Africa vicinities.

— The deep troughs of low pressure over Russia north of the Black Sea and their oscillations southwards through Asia Minor and southwestwards through Greece.

— A trough of low pressure extending from Sudan northwards through Arabia and Iraq.

— Secondary depressions originating over the Mediterranean, north of Italy and the northern sector of Africa.

The pressure patterns in the Upper levels at 700 & 500 mb. levels were more simple and rather stationary at both levels. A block prevailed over Spain and northern vicinities, while a planetary wave appeared in advance over north Russia (north latitude 50° N) ; it showed either a marked southward extension towards East Mediterranean or a stretched southwest upper trough towards West Mediterranean. These extensions appeared as upper reflections of surface low pressure systems in these areas and are controlled more or less by the primary deep upper low over Russia.

The Atlantic anticyclone established over Europe, Balkans, Mediterranean and the northern districts of the African Continent most days of this month with the exception of the periods (1st—4th), (13th — 15th), (21st — 24th) & (26th–29th) during which secondary depressions developed within the area and disturbed locally the anticyclonic distribution.

During the first period, a secondary depression developed over West Mediterranean on the 1st, it proceeded eastwards, passed by Central Mediterranean on the 2nd, Greece on the 3rd and reached Crete on the 4th where it filled up rapidly.

During the second period, a secondary depression developed over Asia Minor and northern vicinities, on the 14th it shooted rapidly southeastwards and passed Iraq by the 15th, then it deviated rapidly eastwards and approached Iran by the 16th. During this period,the Sudan trough showed a marked northward elongation up till Iraq and surrounding vicinities.

During the third period, a secondary depression developed over north Italy on the 21st. It followed a southeast track, it passed Greece by the 22nd, Asia Minor by the 23rd, then Cyprus by the 24th where it filled up.

During the fourth period, a secondary depression developed over the Gulf of Serte and northern vicinities on the 26th, it proceeded eastwards and approached the Western Desert of Egypt on the 27th, then it shooted rapidly northeastwards and reached Cyprus on the 28th where it was stationary on the 29th. During the 28 th & 29 th, a shallow secondary to the Cyprus low appeared over Sinai and northern part of the Red Sea.

It is worthy to note that the 1st three secondary depressions of this month were shallow while the last secondary depression was appreciably deep, and accordingly the barometric pressure over East Mediterranean in general continued above its normal most of the first three weeks and was pronouncedly subnormal round period (26th — 29th).

SURFACE WIND

Northern Region

The prevailing winds were N ly / E ly over the Coastal district, Wly / N ly

over the North Eastern district and the eastern districts, and S ly / W ly elsewhere. The daily average wind speed was light / moderate over all districts. It became fresh over Kamishly on the 14th & 28th, over Hama on the 25th, over Aleppo on the 24th, over Damascus on the 7th & 8th, and over Lattakia on the 25th. It became strong over Damascus on the 13th, 16th & 31st, and over Lattakia on the 14th.

Gale winds were reported over : Damascus on the 12th, 16th, 25th, 29th & 30th ; Aleppo on the 25th ; Kattinah on the 15th ; Nabek on the 30th ; Kuneitra on the 25th & 30th ; Joureen on the 10th, 13th, 14th, 24th, 25 th & 29 th ; Kharabo & Salamiyah on the 25 th ; and over Lattakia on the 24th. The maximum gale wind was 50 knots gusting to 70 over Joureen on the 24th.

Southern Region

During this month, the prevailing winds were light / moderate, N / N Wly round periods : 4th, 8th, (12th-13th), (15th-20th), (24th-25th) & 28th-31st) ; E/NEly otherwise with the exception of few scattered days during which, winds of southerly components (SEly, Sly & SWly) blew over the Region. Fresh/strong winds blew in advance and during the passage of Khamsin disturbances over the Region. During many nights and early mornings, the surface wind dropped to calm over scattered localities of the Republic particularly in Cairo Area, Western Desert & Upper Egypt districts.

Gales were reported at Fayed on the 11th and at Hurghada on the 11th & 25th.

TEMPERATURE

Northern Region

Maximum temperature oscillated round its normal over the Coastal district and its values ranged between 14 & 22°C. Over the mid inland and far inland districts, it oscillated below its normal and its values ranged between 8 & 22°C and between 12 & 23°C respectively. The absolute maximum temperature for the Region was 29.9°C over Abu Kamal (Western inland district) on the 24th.

Minimum temperature oscillated below its normal over the Coastal district and its values ranged between 5 & 12°C in general with the exception of cold nights during the 1st ten days of the month, during which its values ranged between 0 & 5°C. Over the mid inland and far inland districts, it oscillated below its normal most of the 1st three weeks and its values ranged between 6 & -6°C and between 8 & -8°C respectively, while during the rest part of the month, it oscillated above its normal and its values ranged between 5 & 10°C and between 7 & 14°C respectively. The absolute minimum temperature for the Region was -7.6°C reported at Nabek (Western Inland district) on the 1st.

Southern Region

Maximum temperature oscillated below its normal most of the month, with the exception of the 4th week, over all districts of the Region. Its values accordingly ranged between 16 & 21 °C over the Mediterranean district, between 18 & 25 °C over the mid inland districts and between 20&33°C over the far inland districts. During the 4th week, the Region enjoyed two short warm spells during which the maximum temperature ranged between 21 & 30°C over the Mediterranean district, between 25 & 33 °C over the mid inland districts and between 33 & 36 °C over the far inland districts. The absolute maximum temperature for the Region was 36.7 °C reported at Kom Ombo on the 24 th.

Minimum temperature oscillated round its normal over the Mediterranean district and its values ranged

between 6 & 15 °C. Over the mid inland districts it oscillated below its normal most parts of the month during which its values ranged between 3 & 10 °C, while it oscillated above its normal for few days within the 4th week during which its values ranged between 11 & 18 °C. Over the far inland districts, it oscillated appreciably below normal and its values ranged between 4 & 14 °C, showing large variability within the month. The absolute minimum temperature for the Region was -0.2 °C reported at Farafra oasis on the 3rd.

PRECIPITATION

During this month, rain was confined to the Northern Region and the northern part of the Southern Region. Light rain, heavy at times fell generally over all districts of the Northern Region during periods : (1st-2nd), (6th-7th), (12th-16th), (19th-21st), (23rd-25th) and (28th-31st). The most intense periods occurred round the 15th and 30th. In the Southern Region, light rain fell mostly round the 7 th, 11th and 19th. The monthly rainfall was subnormal all over the Republic except in the Coastal district of the Northern Region where the absolute value (240.6 mms.) was reported at Kassab and the absolute daily rainfall (96.8 mms.) was also reported at Kassab on the 29th. In the Southern Region the absolute monthly value was 13.1 mms. reported at El Arish and the absolute daily rainfall was 10.5 mms. reported at Zagazig on the 19th.

MISCELLANEOUS WEATHER PHENOMENA

Southern Region

Thunderstorms occurred at : Alexandria on the 19th ; Port Said, El Arish and Abu Sueir on the 20 th; Fayed on the 6th; and at Cairo & Giza on the 11th.

Mist patches developed at : Alexandria on the 5th ; Port Said on the 14 th ; Tahrir on the 3rd, 5th 13th, 14th, 15th & 18th ; Abu Sueir on the 1 st, 3 rd, 7 th, 8 th, 13 th, 14 th, 16th & 19th ; Zaher on the 2nd, 6th, 7th, 13th & 24 th ; Inshas on the 2nd, 5th, 7th. 18th & 19th ; Fayed on the 26th ; Cairo (A) on the 2nd, (4th-7th),9th, (11th-15th), 24th & 29th ; Mostafa Helmi on the 2nd, (4th-10th), 13th, 14th, 16 th, 18th & 24th ; Almaza on the 7th, 13th & 14th; Abbasiya on the 5th & 8th ; Imbaba on the 2nd, 5th & 8th ; Giza on the 2nd, 6th, 7th, 9th, (13th-17th) & 24th; Beni Suef on the 1st, 7th, 8th & 9th ; and at Minya on the 17th.

Fog patches developed at : Alexandria on the 5th & 22 nd ; Ghazza on the 4th ; Mostafa Helmi on the 14th & 24th ; and at both Imbaba & Giza on the 5th.

Local rising sand or dust was reported at : Sallum on the 22nd & 27th ; Sidi Barrani, Mersa Matruh, Dekheila & Alexandria on the 27th ; Port Said on the 24 th, 28th & 30th ; El Arish on the 15th & 24th ; Ghazza on the 28th & 30 th ; Tahrir on the 28th ; Abu Sueir on the 15th, 27th, 28th & 30th ; Zaher, Inshas & Kabrit on the 28th ; Wadi El Natrun on the 27th & 28th ; Fayed on the 11th, 28th ; Cairo (A) & Almaza on the 28th ; Mostafa Helmi on the 8th, 15th 20th, 24th, 27th, 28th & 30th ; Asyout on the 28th ; Siwa, Bahariya & Farafra on the 27 th ; Tor on the 8th, 12th & 28th ; Hurghada on the 11th and at Quseir on the 12th.

Sand or dustorms blew over: Mersa Matruh on the 19th : Abu Sueir on the 15th ; Fayed on the 11th & 28th ; and over Mostafa Helmi & Bahariya on the 27th.

Cairo, March 1965

M. F. TAHA
UNDER SECRETARY OF STATE
DIRECTOR GENERAL
METEOROLOGICAL DEPARTMENT

TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "Hp" AND TO MEAN SEA LEVEL

MARCH 1961

District	Station	Altitude of Hp. (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal
MEDITERRANEAN	Sallum	6.0	1018.4	—	1018.7	+3.5	1018.1	+3.5	1018.2	+3.5	5.2	1018.9	—	1019.2	+3.6	1018.6	+3.6	1018.7	+3.6
	Sidi Barrani	22.8	1015.2	+3.0	1015.9	+3.5	1015.5	+3.5	1015.3	+3.3	24.0	1017.8	+3.0	1018.5	+3.5	1018.1	+3.5	1017.9	+3.3
	Mersa Matruh (A)	30.0	1015.1	+3.1	1015.3	+3.1	1014.9	+3.2	1015.2	+3.1	30.0	1018.8	+3.1	1019.0	+3.1	1018.6	+3.2	1018.9	+3.1
	Dabaa	18.0	1015.6	—	1015.7	—	1015.4	—	1015.6	—	17.8	1017.6	—	1017.7	—	1017.4	—	1017.6	—
	Dekheila (A)	6.0	1018.0	—	1018.3	+3.0	1017.8	+3.1	1018.0	—	5.9	1018.6	—	1018.9	+3.0	1018.4	+3.1	1018.6	—
	Alexandria (A)	7.0	1017.3	+2.9	1017.8	+2.9	1017.2	+2.9	1017.6	+2.9	6.8	1018.1	+2.9	1018.6	+2.9	1018.0	+2.9	1018.4	+2.9
	Damietta	5.0	1017.8	—	1018.0	+2.8	1017.1	+2.4	1017.8	+2.6	5.0	1018.2	—	1018.4	+2.8	1017.5	+2.4	1018.2	+2.6
	Port Said (A)	7.0	1016.6	+2.1	1017.1	+2.1	1016.4	+2.1	1016.9	+2.2	6.1	1017.3	+2.1	1017.8	+2.1	1017.1	+2.1	1017.6	+2.2
	El-Arish	17.1	1015.4	+2.5	1016.3	+2.3	1015.2	+2.0	1015.9	+2.1	17.1	1016.6	+2.5	1017.5	+2.3	1016.4	+2.0	1017.1	+2.1
	Ghazza	15.7	1015.1	—	1015.6	—	1014.8	—	1015.3	—	15.7	1017.0	—	1017.5	—	1016.7	—	1017.2	—
LOWER EGYPT	Mansoura	8.0	1017.3	—	1017.6	+2.9	1016.3	+2.5	1017.4	+2.7	7.1	1018.1	—	1018.4	+2.9	1017.1	+2.5	1018.2	+2.7
	Damanhour	6.7	1017.6	—	1018.0	+2.4	1017.1	+2.9	1017.8	+2.3	6.7	1018.3	—	1018.7	+2.4	1017.7	+2.9	1018.4	+2.4
	Gimmeiza	8.9	1016.6	—	1017.4	+3.1	1016.2	+3.0	1016.7	+3.0	8.9	1017.6	—	1018.4	+3.1	1017.2	+3.0	1017.7	+3.0
	Tanta	14.8	1016.4	—	1016.6	+1.7	1015.7	+2.3	1016.7	+2.4	15.4	1017.6	—	1017.8	+1.7	1016.9	+2.3	1017.9	+2.4
	Tahrir	16.6	1016.1	—	1016.7	—	1015.3	—	1016.2	—	18.6	1018.4	—	1018.9	—	1017.5	—	1018.4	—
	Shebin El Kom	17.9	1015.3	—	1016.3	+1.6	1014.7	+1.2	1015.7	+1.3	17.9	1017.5	—	1018.6	+1.6	1017.0	+1.5	1017.9	+1.2
	Zagazig	13.0	1017.0	—	1017.3	+2.5	1015.7	+2.3	1016.8	+2.5	13.0	1018.6	—	1018.9	+2.5	1017.3	+2.3	1018.4	+2.5
	Abu Sueir (A)	16.0	1016.0	—	1016.7	—	1015.1	—	1016.2	—	16.0	1018.0	—	1018.7	—	1017.0	—	1018.1	—
	Zaher (A)	23.5	1013.2	—	1013.9	—	1012.5	—	1013.2	—	23.3	1016.1	—	1016.8	—	1015.3	—	1016.0	—
	Wadi El Natrun	0.9	1019.1	—	1019.6	+4.1	1018.0	+4.2	1018.9	+4.0	0.9	1019.2	—	1019.7	+4.1	1018.1	+4.2	1019.0	+4.0
	Inshas (A)	25.5	1013.1	—	1013.8	—	1012.1	—	1013.1	—	25.6	1016.3	—	1016.9	—	1015.2	—	1016.2	—
	Fayed (A)	22.5	1015.8	—	1016.5	—	1014.7	—	1015.9	—	22.5	1018.4	—	1019.1	—	1017.3	—	1018.5	—
	Kabrit (A)	7.6	1016.6	—	1017.6	—	1015.6	—	1016.7	—	7.6	1017.5	—	1018.5	—	1016.5	—	1017.6	—
CAIRO AREA	Cairo (A)	74.5	1009.3	+2.7	1009.9	+2.8	1008.5	+2.4	1009.2	+2.5	74.0	1018.3	+2.7	1018.9	+2.8	1017.2	+2.4	1018.2	+2.7
	Mostafa Helmi (A)	164.0	998.4	—	998.9	—	997.7	—	998.4	—	164.0	1018.1	—	1018.6	—	1016.8	—	1017.8	—
	Almaza (A)	78.5	1008.2	+2.3	1009.0	+2.5	1007.4	+2.2	1008.3	+2.3	78.6	1017.8	+2.4	1018.5	+2.5	1016.6	+2.2	1017.7	+2.4
	Abbasiya (H.Q.)	26.4	1015.9	—	1016.5	—	1014.8	—	1015.6	—	26.4	1019.2	—	1019.7	—	1018.0	—	1018.8	—
	Imbaba (A)	19.0	1016.0	—	1016.8	—	1014.9	—	1015.8	—	19.0	1018.1	—	1018.9	—	1017.0	—	1017.9	—
	Giza	22.5	1015.3	—	1016.0	+2.3	1014.3	+2.1	1014.9	+1.9	22.5	1018.1	—	1018.8	+2.4	1017.1	+2.1	1017.7	+1.9
	Helwan	115.5	—	—	1005.6	+2.6	1003.5	+2.4	1004.4	+2.5	115.6	—	—	1019.4	+2.7	1017.1	+2.5	1017.8	+2.3

TABLE A 1. (*contd.*)—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "Hp" AND TO MEAN SEA LEVEL

MARCH 1961

District	Station	Altitude of Hp. (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from nomal
Upper Egypt	Fayoum	23.3	1015.7	—	1016.4	+3.2	1014.4	+3.2	1014.9	+3.1	23.3	1018.7	—	1019.5	+3.3	1017.4	+3.3	1017.9	+3 1
	Beni Suef	30.0	1014.5	—	1015.3	+2.7	1013.5	+2.8	1013 9	+2.8	30.0	1018.2	—	1018.9	+2.8	1017.0	+2.9	1017.4	+2.8
	Minya ... ... (A)	40.0	1013.2	+2.5	1014.0	+2.4	1012.4	+2 5	1012.4	+2.5	40.3	1018.3	+2.7	1018.9	+2.4	1017.2	+2.5	1017.3	+2.5
	Asyout (Mangabad) ... ... (A)	69.6	1009.3	+3.3	1010.8	+2.7	1008.6	+2.7	1009.0	+3.2	69.5	1017.8	+3.4	1019.2	+2.7	1016.7	+2.7	1017.3	+3.3
	Nag Hammadi	70.5	1008.2	—	1009.9	+1.2	1007.6	+1.8	1008.1	+1.9	70.5	1016.5	—	1018.3	+1.2	1015.8	+1.8	1016.4	+1.8
	Kena	74.2	—	—	1009.5	+2.7	1006.8	+2.8	1007.2	+2.4	74.2	—	—	1018.0	+2.6	1015.3	+2.9	1016.0	+2.6
	Luxor ... ... (A)	88.5	1005.2	+1.4	1007.0	+1.6	1004.7	+1.8	1004.9	+1·5	88.4	1015.7	+1.4	1017.4	+1.6	1014.8	+1.9	1015.2	+1.6
	Kom Ombo	102.6	1003.4	—	1005.2	—	1002.8	—	1003.3	—	102.6	1015.6	—	1017.4	—	1014.5	—	1015.4	—
	Aswan ... ... (A)	193.5	991.7	—	993.6	+1.2	991.2	+1.2	991.6	+1.0	193.5	1014 8	—	1016.6	+1.2	1013.3	+1.3	1014.1	+1.0
Western Desert	Siwa	—13.5	1020.9	+3.2	1021.7	+3.1	1020.5	+3.4	1020.1	+3.2	—13.3	1019.1	+3.3	1019.8	+3.1	1018.8	+3.4	1018.3	+3.1
	Bahariya	129.5	1002.8	—	1003 8	+1.4	1002.2	+1.2	1002.0	+0.5	129.6	1018.3	—	1019.3	+1.6	1017.1	+1.3	1017.1	+0.5
	Farafra	91.8	1009.1	—	1010.1	+3.2	1008.6	+3.2	1008.5	+3.0	92.1	1019.9	—	1020.8	+3.4	1018.9	+3.4	1019.1	+3.2
	Dakhla	111.5	1003.2	—	1004.6	+2.4	1003.0	+2.8	1002.7	+1.9	111.5	1016.7	—	1018.1	+3.6	1016.0	+3.0	1015.8	+2 0
	Kharga	72.8	1008.0	—	1009.5	+1.2	1008.0	+1.4	1007.7	+1.0	73.0	1016.6	—	1018.1	+1.3	1015.9	+1.2	1016.2	+1.1
Red Sea	Suez	11.0	—	—	—	—	—	—	—	—	12.2	—	—	—	—	—	—	—	—
	Tor	4.2	1014.9	—	1016.4	+1.4	1014.7	+1.1	1015.0	+1.4	4.2	1015.3	—	1016.8	+1.4	1015.1	+1.1	1015.4	+1.4
	Hurghada	2.8	1015.3	+2.9	1016.9	+2.6	1014.6	+2.0	1015 4	+2.5	2.8	1015.5	+2.9	1017.1	+2.6	1014.8	+2.0	1015.6	+2 5
	Quseir	11.3	1013.3	—	1014.9	+1.1	1013.3	+0.5	1013.7	+0.9	11.3	1014 3	—	1015.9	+1.1	1014 3	+0.5	1014.7	+0.9
	Abul Kizan	5.0	1014.0	—	1015.4	—	1014.0	—	1014.4	—	5.0	1014.5	—	1015.9	—	1014.5	—	1015.0	—

TABLE A 2.—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

MARCH 1961

District	Station	Dry bulb temperature (°C)								Wet 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
MEDITERRANEAN	Sallum	13.3	—	13.3	— 1.2	19.0	— 0.8	15.7	— 0.2	9.9	—	9.8	— 1.3	12.2	— 1.5	11.5	— 0.7	62	—	61	— 2	40	— 7	57	— 5
	Sidi Barrani	11.9	— 0.5	12.4	— 1.0	17.9	— 0.5	14.4	— 0.6	9.9	— 0.3	10.0	— 0.4	13.1	— 0.1	11.6	— 0.2	76	+ 8	72	+ 6	55	+ 3	70	+ 4
	Mersa Matruh ... (A)	11.6	— 0.4	13.0	— 1.0	18.4	— 0.3	14.0	— 0.8	9.4	— 0.3	10.1	— 0.8	12.5	— 0.8	10.9	— 1.0	74	+ 1	67	+ 1	46	— 5	66	— 3
	Dabaa	11.3	—	13.0	— 0.9	18.6	0.0	13.9	— 0.9	8.8	—	9.7	— 1.3	12.4	— 0.6	10.5	— 1.3	70	—	63	— 5	44	— 5	62	— 6
	Dekheila ... ... (A)	13.6	—	14.6	— 1.0	18.6	— 0.6	15.4	—	10.3	—	10.8	— 2.2	12.8	— 2.2	11.4	—	63	—	59	—14	47	—14	59	—
	Alexandria ... ... (A)	13.0	— 0.2	15.5	+ 0.5	19.6	— 0.1	14.8	— 0.2	10.8	— 0.5	12.3	0.0	13.8	— 0.4	11.8	— 0.7	75	— 3	66	— 5	49	— 2	68	— 5
	Damietta	12.0	—	14.3	— 1.5	18.3	— 0.2	15.1	— 0.1	—	—	11.8	— 1.5	13.6	— 0.5	12.4	— 0.7	—	—	73	— 1	56	— 3	71	— 6
	Port Said ... ... (A)	14.1	— 0.8	14.6	— 1.1	18.1	— 0.7	15.5	— 0.8	11.0	— 1.8	11.1	— 1.9	13.2	— 1.3	11.8	— 1.8	66	—11	62	—10	54	— 6	61	—11
	El Arish	12.9	+ 0.3	14.8	— 0.9	18.5	— 0.7	15.5	— 0.4	10.4	— 0.3	11.4	— 1.2	13.7	— 1.0	12.2	— 1.0	72	— 6	64	— 3	55	— 4	65	— 7
	Ghazza	12.7	—	14.1	—	17.3	—	15.7	—	10.8	—	11.9	—	14.8	—	13.7	—	78	—	76	—	75	—	79	—
LOWER EGYPT	El Sirw	10.7	—	15.2	— 0.4	19.2	— 0.9	14.4	— 0.8	—	—	12.5	— 0.7	14.2	— 1.6	12.1	— 1.0	—	—	71	— 4	55	— 6	75	— 2
	Sakha	9.6	—	14.7	+ 0.8	21.3	— 0.7	13.4	+ 0.2	—	—	12.6	+ 0.4	16.4	+ 0.8	11.7	+ 0.1	—	—	77	— 4	58	+11	81	— 1
	Mansoura	11.5	—	13.5	— 0.7	21.0	— 0.1	15.1	+ 0.6	—	—	10.7	— 1.2	13.6	— 0.6	11.6	— 0.1	—	—	69	— 6	38	— 4	63	— 7
	Damanhour	10.1	—	14.2	0.0	20.2	— 0.1	13.7	— 0.2	—	—	11.9	— 0.1	13.8	— 0.4	11.0	— 0.6	—	—	75	— 1	45	— 2	70	— 4
	Gimmeiza	8.6	—	15.3	+ 1.4	21.3	— 0.6	14.5	+ 0.9	—	—	12.7	+ 0.4	15.6	— 0.2	11.7	— 0.5	—	—	72	—10	52	+ 2	70	—14
	Tanta	9.8	—	12.6	— 1.4	21.1	— 1.3	13.8	— 0.7	7.9	—	10.1	— 1.9	14.4	— 1.0	10.8	— 1.3	75	—	71	— 7	44	0	67	— 7
	Tahrir	10.9	—	13.2	—	20.6	—	15.0	—	8.8	—	10.2	—	12.5	—	10.9	—	74	—	66	—	32	—	57	—
	Shebin El Kom ...	10.0	—	15.4	+ 2.1	20.8	— 1.7	14.1	— 0.7	—	—	12.5	+ 1.5	14.4	— 0.2	11.6	— 0.1	—	—	69	— 5	46	+ 8	73	+ 6
	Zagazig	11.1	—	12.9	— 1.7	20.8	— 1.8	15.3	+ 0.2	—	—	10.3	— 2.1	13.8	— 2.0	11.7	— 0.9	—	—	70	— 6	41	— 4	62	—11
	Abu Sueir ... ... (A)	11.2	—	13.0	—	21.4	—	15.8	—	8.9	—	10.0	—	13.1	—	10.8	—	72	—	66	—	33	—	50	—
	Zaher ... ... (A)	11.3	—	12.9	—	21.2	—	15.8	—	8.6	—	9.9	—	13.0	—	11.1	—	67	—	66	—	33	—	53	—
	Wadi El Natrun ...	11.4	—	13.5	— 0.7	21.6	— 1.4	16.4	— 1.3	8.4	—	10.3	— 0.9	12.5	— 1.6	10.9	— 1.8	64	—	64	— 3	27	— 5	46	— 7
	Inshas .. .. .. (A)	11.6	—	12.3	—	20.6	—	15.7	—	8.9	—	9.6	—	13.5	—	11.3	—	68	—	69	—	40	—	55	—
	Fayed ... ... (A)	11.2	—	14.5	—	21.2	—	16.0	—	8.8	—	10.6	—	12.7	—	11.1	—	71	—	58	—	31	—	51	—
	Kabrit ... ... (A)	12.3	—	13.8	—	21.3	—	16.4	—	9.4	—	10.1	—	13.2	—	11.5	—	66	—	59	—	34	—	52	—
CAIRO AREA	Cairo ... ... (A)	11.9	— 1.7	13.8	— 1.0	20.5	— 2.1	15.9	— 1.6	9.6	— 1.3	10.8	— 0.7	13.3	— 1.0	11.6	— 1.2	73	+ 3	67	+ 2	39	+ 4	56	+ 1
	Mostafa Helmi ... (A)	11.0	—	12.1	—	20.0	—	15.4	—	8.0	—	9.0	—	11.7	—	10.1	—	63	—	64	—	30	—	46	—
	Almaza ... ... (A)	11.9	— 1.8	13.0	— 1.7	21.0	— 1.2	16.2	— 1.3	8.9	— 1.9	9.6	— 1.7	12.7	— 1.1	10.8	— 1.6	65	— 3	62	— 1	32	— 2	47	— 5
	Abbasiya ...(H.Q.) ...	12.4	—	14.1	—	21.6	—	16.5	—	9.9	—	11.0	—	13.7	—	11.8	—	71	—	66	—	36	—	54	—
	Imbaba ... ... (A)	10.0	—	12.8	—	21.0	—	14.6	—	7.7	—	10.1	—	13.6	—	10.9	—	70	—	69	—	38	—	60	—
	Giza	10.6	—	14.0	— 0.0	20.7	— 2.4	17.2	+ 0.7	8.8	—	11.0	— 0.5	12.5	— 2.4	12.0	— 0.6	77	—	67	— 6	32	— 4	50	—11
	Helwan	—	—	13.1	— 1.1	20.6	— 1.9	16.5	— 1.6	—	—	10.1	— 0.5	12.3	— 0.9	11.1	— 0.8	—	—	66	+ 5	31	+ 3	48	+ 5

TABLE A 2 (*contd.*)—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

MARCH 1961

District	Station	Dry bulb temperature (°C)								Wet 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
Upper Egypt	Fayoum	11.6	—	13.8	— 0.7	21.8	— 1.8	16.4	— 0.8	9.0	—	10.5	— 0.5	13.1	— 1.4	11.2	— 1.1	69	—	63	+ 1	31	0	49	— 4
	Beni Suef	10.3	—	11.5	— 4.0	22.1	— 2.5	15 6	— 1.6	8.1	—	9.1	— 1.9	14.2	— 0.6	11.4	— 0.6	72	—	71	+17	37	+ 8	57	+ 7
	Seds	10.0	—	13.5	— 0.5	21.7	— 2.6	14.8	— 1.9	—	—	11.2	0.0	14.2	— 1.5	11.6	— 1.2	—	—	74	+ 4	39	+ 3	66	+ 5
	Minya ... ... (A)	9.7	— 0.3	12.1	— 1.3	22.8	— 2.1	15 1	— 1.5	7.3	+ 0.1	9.4	— 0.6	13.3	— 1.2	10.5	— 0.8	69	+ 5	68	+ 6	27	+ 1	52	+ 3
	Mallawi	8.1	—	11.2	—	23.0	—	14 3	—	—	—	9.2	—	14.3	—	10.7	—	—	—	75	—	33	—	61	—
	Asyout (Mangabad)(A)	12.7	— 1.3	12.7	— 1.7	22.5	— 2.3	17 0	— 1.9	7.3	— 1 3	8.1	— 1.4	12.4	— 1.3	10.2	— 1.2	40	— 3	48	— 1	23	+ 2	36	+ 2
	Shandaweel	10 6	—	14.1	— 1.9	24.3	— 2.8	15.4	— 1.7	—	—	10.5	— 1.6	15.1	— 1.6	11.9	— 1.2	—	—	61	+ 1	32	+ 2	63	+ 2
	Nag Hammadi	13.2	—	16.6	+ 0.8	24.1	— 1.6	16.7	— 1.3	—	—	11.7	+ 0.7	14.6	+ 0 3	12.1	— 0.3	—	—	52	0	30	+ 8	55	+ 7
	Kena	12.9	—	17.6	+ 0.5	25 4	— 3 0	17.6	— 2.6	—	—	11.6	— 0.3	14.1	— 2.4	11.4	— 1.7	—	—	44	— 6	22	— 2	42	+ 2
	Luxor ... ... (A)	13.1	— 1.2	15 9	— 1.5	24.9	— 2.4	18 7	— 1.8	8.6	— 0.2	11.3	— 0.8	14.9	— 0.5	12 0	— 0.6	50	+ 7	45	+ 4	28	+ 6	40	+ 6
	Kom Ombo	14.2	—	16.4	—	26.6	—	20.1	—	7 8	—	9.9	—	13.8	—	11.2	—	33	—	37	—	16	—	26	—
	Aswan ... ... (A)	14.4	—	15.6	— 2.7	25.6	— 3.8	21.4	— 3.8	7.1	—	8.1	— 3.1	12.3	— 3.7	9.6	— 3.9	26	—	27	— 9	10	— 8	13	— 9
Western Desert	Siwa	11.3	— 1.1	11.0	— 1.5	21.7	— 1.8	17 2	— 1.4	7.7	— 0.5	7.9	— 1.1	12.5	— 1.4	10.4	— 1.3	57	+ 5	62	+ 2	27	— 1	36	— 2
	Bahariya	11.0	—	11.5	— 3.6	22.5	— 1 2	17.5	+ 0.1	7.6	—	8 3	— 2.2	12.9	— 1.6	10.5	— 1.1	59	—	62	+ 1	26	— 5	35	—10
	Farafra	10.6	—	11.1	— 2.4	22.2	— 2 3	16.7	— 1.2	5.7	—	7.1	— 1.7	12.4	— 2.1	8.9	— 2.1	41	—	52	+ 4	24	— 3	28	— 9
	Dakhla	10.4	—	12.0	— 2.8	23.5	— 2.4	17.3	— 3.6	5.5	—	7.1	— 2.1	11.9	— 2.7	9 4	— 2.5	41	—	44	+ 1	16	— 7	28	+ 1
	Kharga	12.6	—	15.2	— 1.7	24.8	— 2.4	17.6	— 3.0	7.9	—	9.8	— 1.6	14.2	— 2.4	10.7	— 2.1	47	—	45	— 2	24	— 5	36	+ 1
Red Sea	Suez	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor	14.5	—	16.7	— 1.4	20.8	— 1.7	18 6	— 1.5	9.7	—	10.9	— 1.9	14.3	— 3.1	12.4	— 3.1	50	—	44	—15	45	—13	44	—19
	Hurghada	13 3	— 1.7	17.0	— 1.3	21.7	— 0.3	18.1	— 1.6	8.7	— 2.2	11.2	— 1.7	13.6	— 3.0	12.1	— 2.9	49	— 8	45	— 5	35	—20	44	—13
	Quseir	16.7	—	18.9	— 2.0	22.0	— 1·5	19.0	— 2.0	10.5	—	11.9	— 2.5	14.7	— 3.3	13.7	— 2.5	41	—	38	— 7	41	—15	52	— 6
	Abul Kizan	20.8	—	22.2	— 1.1	22.2	— 1.9	21.3	— 1.2	—	—	17.7	— 2.1	17.7	— 2.3	17.5	— 1.6	—	—	63	— 8	63	— 4	67	— 6

TABLE A 3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

MARCH 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a,b,c,d	Station Pressure (corrected to Hp)		M. S. L. Pressure		Maximum (A)		Minimum (B)		(A + B) /2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d, e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a,b,c,d	Mean	Dev. from normal	Deriv. of the mean values a,b,c,d	Mean	Dev. from normal			
MEDITERRANEAN	Sallum	a	1018.4	+ 3.4	1018.9	+ 3.5	20.1	— 1.1	11.3	+ 0.9	15.7	a	15.5	+ 0.3	a	10.9	— 0.7	a	53	— 9
	Sidi Barrani	a	1015.4	+ 3.2	1018.0	+ 3.2	18.7	— 1.2	9.9	— 0.3	14.2	a	14.3	— 0.6	a	11.2	— 0.5	a	66	0
	Mersa Matruh ... ... (A)	a	1015.1	+ 2.8	1018.8	+ 2.8	19.4	— 0.6	10.2	+ 0.3	14.8	a	14.4	— 0.4	a	10.7	— 0.7	a	60	— 4
	Dabaa	a	1015.6	—	1017.6	—	19.4	— 0.9	9.4	+ 0.1	14.4	a	14.4	+ 0.2	a	10.4	— 0.9	a	57	—11
	Dekheila ... ... (A)	a	1018.0	—	1018.6	—	19.2	— 1.0	12.0	— 0.1	15.6	a	15.6	—	a	11.3	—	a	56	—
	Alexandria ... ... (A)	a	1017.5	+ 2.4	1018.3	+ 2.4	20.4	— 0.3	11.3	+ 0.1	15.8	a	15.6	— 0.2	a	12.0	— 0.5	a	62	— 3
	Damietta	c	1017.7	+ 2.5	1018.1	+ 2.5	18.8	— 2.0	9.8	— 1.3	14.3	c	14.9	— 0.3	c	12.3	— 0.7	e	72	— 4
	Port Said ... ... (A)	a	1016.8	+ 2.3	1017.5	+ 2.3	19.0	— 0.9	12.9	— 0.6	16.0	a	15.6	— 0.8	a	11.8	— 1.6	a	60	— 9
	El Arish	a	1015.7	+ 2.1	1016.9	+ 2.1	20.0	— 1.3	11.2	+ 0.4	15.6	a	15.5	+ 0.1	a	11.9	— 0.7	a	62	— 8
	Ghazza	a	1015.2	—	1017.1	—	18.8	— 2.5	10.2	+ 0.5	14.5	a	15.0	—	a	12.8	—	a	76	—
LOWER EGYPT	El Sirw	—	—	—	—	—	20.3	— 1.1	8.8	— 1.0	14.6	c	14.9	— 0.3	c	12.4	— 0.7	e	73	— 4
	Shakha	—	—	—	—	—	21.4	— 1.5	7.6	— 0.3	14.5	c	14.8	+ 0.6	c	12.8	+ 0.3	e	79	— 3
	Mansoura	c	1017.2	+ 2.8	1018.0	+ 2.8	21.8	— 1.3	9.2	— 0.4	15.5	c	15.3	+ 0.5	c	12.1	— 0.1	e	66	— 6
	Damanhour	c	1017.0	+ 2.5	1018.3	+ 2.5	21.2	— 1.4	8.6	— 1.3	14.9	c	14.6	+ 0.1	c	12.0	— 0.2	e	72	— 3
	Gimmeiza	c	1016.7	+ 3.0	1017.7	+ 3.0	22.3	— 0.8	6.6	— 0.8	14.4	c	14.9	+ 0.7	c	12.2	— 0.4	e	71	—12
	Tanta	a	1016.3	+ 2.1	1017.5	+ 2.0	22.1	— 1.6	7.9	— 0.2	15.0	a	14.4	— 0.4	a	10.8	— 1.8	a	61	—15
	Tahrir	a	1016.1	—	1018.3	—	22.2	— 2.1	9.2	— 1.1	15.7	a	15.0	—	a	10.6	—	a	54	—
	Shebin El Kom	a	1015.5	+ 1.3	1017.8	+ 1.3	22.3	— 1.6	6.9	— 2.3	14.6	c	15.1	+ 0.1	c	12.4	+ 0.2	e	71	+ 1
	Zagazig	c	1016.7	+ 2.5	1018.3	+ 2.5	21.9	— 1.9	8.7	— 1.0	15.3	c	15.0	— 0.3	c	11.8	— 1.1	e	66	— 8
	Abu Sueir ... ... (A)	a	1016.0	—	1017.9	—	22.6	—	8.8	—	15.7	a	15.4	—	a	10.7	—	a	52	—
	Zaher ... ... (A)	a	1013.2	—	1016.0	—	22.2	—	8.9	—	15.6	a	15.4	—	a	10.6	—	a	51	—
	Wadi El Natrun	a	1018.9	+ 4.2	1019.0	+ 4.2	22.0	— 1.8	8.2	— 1.4	15.6	a	15.8	— 0.3	a	10.5	— 1.7	a	47	—13
	Inshas .. .. (A)	a	1013.0	—	1016.1	—	21.3	—	9.5	—	15.4	a	15.2	—	a	10.9	—	a	55	—
	Fayed ... ... (A)	a	1015.7	—	1018.4	—	22.2	—	7.9	—	15.0	a	15.6	—	a	10.4	—	a	50	—
	Kabrit ... ... (A)	a	1016,6	—	1017.5	—	22.0	—	9.7	—	15.8	a	16.0	—	a	11.0	—	a	50	—
CAIRO AREA	Cairo ... ... (A)	a	1009.2	+ 2.8	1018.2	+ 3.0	21.6	— 2.0	9.6	— 1.5	15.6	a	15.6	— 1.6	a	11.3	— 1.0	a	56	+ 4
	Mostafa Helmi ... ... (A)	a	998.3	—	1017.9	—	21.1	—	8.6	—	14.8	a	14.6	—	a	9.7	—	a	49	—
	Almaza ... ... (A)	a	1008.3	+ 2.1	1017.6	+ 2.0	21.9	— 1.5	9.8	— 1.4	15.8	a	15.6	— 1.4	a	10.5	— 1.4	a	48	— 3
	Abbasiya (H.Q.)	a	1015.7	—	1018.9	—	23.1	—	9.7	—	16.4	a	16.1	—	a	11.5	—	a	55	—
	Imbaba... ... ... (A)	a	1015.9	—	1018.0	—	22.1	—	7.1	—	14.6	a	14.5	—	a	10.4	—	a	56	—
	Giza	a	1015.1	+ 2.2	1017.9	+ 2.2	22.4	— 1.7	7.4	— 0.8	14.9	a	15.0	— 0.4	a	10.6	— 1.7	a	54	—13
	Helwan	d	1004.4	+ 2.9	1018.1	+ 2.8	21.2	— 2.5	9.5	— 1.6	15.4	c	14.9	— 1.7	c	10.8	— 0.6	e	57	+ 7

a—the 24 hours mean b—8 synoptic hours mean c—4 main synoptic hours mean d—06,12 and 18 U.T. hours mean e—06 and 18 U.T. hours mean

TABLE A 3 (*contd.*)—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

MARCH 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a,b,c,d	Station Pressure (corrected to Hp)		M. S. L. Pressure		Maximum (A)		Minimum (B)		(A + B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a,b,c,d	Mean	Dev. from normal	Deriv. of the mean values a,b,c,d	Mean	Dev. from normal			
UPPER EGYPT	Fayoum	a	1015.4	+3.4	1018.4	+3.4	23.1	—1.8	9.2	—0.5	16.2	a	16.0	—0.2	a	10.9	—1.1	a	49	— 9
	Beni Suef	a	1014.3	+2.8	1017.9	+2.9	23.1	—1.9	7.7	—0.4	15.4	a	15.2	—1.4	a	10.8	—0.9	a	54	+ 2
	Seds	—	—	—	—	—	23.7	—2.2	6.6	—1.3	15.2	c	15.0	—0.7	c	12.2	—0.2	c	70	+ 5
	Minya ... ... (A)	a	1013.0	+2.4	1017.9	+2.4	23.6	—1.8	6.6	—1.2	15.1	a	15.0	—1.6	a	10.1	—1.1	a	50	+ 2
	Mallawi	—	—	—	—	—	24.4	—	5.5	—	15.0	c	14.2	—	c	11.3	—	c	68	—
	Asyout (Mangabad) ... ... (A)	a	1009.4	+2.5	1017.8	+2.7	23.6	—2.9	9.5	—0.7	16.6	a	16.4	—2.0	a	9.5	—1.4	a	34	+ 1
	Shandaweel	—	—	—	—	—	25.7	—2.5	7.0	—1.3	16.6	c	16.1	—2.1	c	12.4	—1.7	c	62	+ 2
	Nag Hammadi	c	1008.4	+1.5	1016.8	+1.5	25.4	—1.7	8.8	—0.2	17.1	c	17.4	—0.1	c	12.6	+0.4	c	54	+ 4
	Kena	d	1007.8	+2.6	1016.4	+2.6	27.0	—3.1	10.5	—0.7	18.8	c	18.4	—0.8	c	12.1	—0.9	c	43	— 2
	Luxor ... ... (A)	a	1005.5	+2.1	1015.8	+2.2	25.8	—3.3	8.8	—1.9	17.3	a	18.1	—2.0	a	11.4	—0.9	a	39	+ 5
	Kom Ombo	a	1003.7	—	1015.6	—	28.2	—	10.2	—	19.2	a	19.2	—	a	10.4	—	a	25	—
	Aswan ... ... (A)	a	992.1	+1.1	1014.7	+1.1	26.7	—3.7	11.4	—3.0	19.0	a	19.0	—2.5	a	9.3	—3.6	a	18	—13
WESTERN DESERT	Siwa	a	1020.7	+2.4	1019.1	+2.5	23.0	—1.6	7.2	—2.0	15.1	a	15.4	—0.8	a	9.6	—0.4	a	41	+ 1
	Bahariya	a	1002.7	+1.1	1018.0	+1.2	23.1	—2.3	7.2	—1.7	15.2	a	15.7	—0.3	a	9.8	—1.5	a	41	—12
	Farafra	a	1009.1	+3.2	1019.7	+3.3	22.5	—3.2	7.0	—0.9	14.8	a	15.3	—0.7	a	8.0	—1.3	a	28	— 7
	Dakhla	a	1003.4	+2.3	1016.7	+2.5	24.5	—2.8	6.7	—3.3	15.6	a	16.1	—1.9	a	8.4	—2.7	a	27	—10
	Kharga	a	1008.2	+1.0	1016.7	+1.1	25.9	—2.3	9.4	—2.0	17.6	a	17.5	—1.5	a	10.5	—1.8	a	35	— 5
RED SEA	Suez...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor	a	1015.2	+1.2	1015.6	+1.2	22.4	—1.7	11.5	—0.9	17.0	a	17.6	—0.7	a	12.0	—1.8	a	47	—11
	Hurghada	a	1015.6	+2.8	1015.8	+2.8	22.7	—0.1	11.3	—1.1	17.0	a	17.4	—1.2	a	11.2	—2.2	a	42	—10
	Quseir	a	1013.8	+0.7	1014.8	+0.7	22.9	—1.8	15.1	—1.2	19.0	a	19.1	—1.3	a	12.6	—2.3	a	43	— 9
	Abul Kizan	c	1014.4	—	1015.0	—	23.8	—1.5	20.2	—0.6	22.0	c	21.6	—1.1	c	17.5	—1.9	e	65	— 7

a=the 24 hours mean. b=8 synoptic hours mean. c=4 main synoptic hours mean. d=06·12 & 18 U.T. hours mean. e=06 & 18 U.T. hours mean.

TABLE A 4.—MAXIMUM AND MINIMUM AIR TEMPERATURES

MARCH 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
MEDITERRANEAN	Sallum	29.0	22	15.7	1	2	0	0	0	0	16 5	22	6.9	1	7	0	0	0
	Sidi Barrani	28 6	22	14 5	1	3	0	0	0	0	15.0	23	5.0	2	14	0	0	0
	Mersa Matruh ... ... (A)	30.4	23	15.7	1·8	3	1	0	0	0	15.2	23	5.5	2	14	0	0	0
	Dabaa	29.8	27	15 2	1	3	0	0	0	0	13 4	24·28	4.8	2	18	1	0	0
	Dekheila ... ... (A)	28 0	23	15.2	1	2	0	0	0	0	15 0	28·29	6 1	5	6	0	0	0
	Alexandria ... ... (A)	29.8	23	16.6	1	4	0	0	0	0	15 2	28	6.9	2	12	0	0	0
	Damietta	29 0	23	15.1	1	1	0	0	0	0	14.1	23	5 4	2	18	0	0	0
	Port Said ... ... (A)	24.7	22·23	16.0	1	0	0	0	0	0	15.0	28	9.4	1	1	0	0	0
	El Arish	29.4	23	16.3	2	3	0	0	0	0	16.4	28	6 3	1	5	0	0	0
	Ghazza	24.8	23	15.0	1	0	0	0	0	0	17.0	28	5.5	1	17	0	0	0
LOWER EGYPT	El Sirw	28.4	23	17.0	1	2	0	0	0	0	14.0	28	5.0	1	21	0	0	0
	Sakha	31.3	23	17.2	30	2	1	0	0	0	13 5	27	4.8	2	27	1	0	0
	Mansoura	30 2	23	17.0	1	3	1	0	0	0	13.3	28	5.0	2	19	0	0	0
	Damanhour	31.2	23	16.4	1	4	1	0	0	0	13.2	28	5.1	5	23	0	0	0
	Gimmeiza	30.0	23	17.0	1	3	0	0	0	0	11.0	28	1.5	2	29	4	0	0
	Tanta	30.8	23	17.5	1	4	1	0	0	0	12.2	28	3.4	3	25	3	0	0
	Tahrir	31.5	23	17.0	1	4	3	0	0	0	13.7	28	5 4	3	23	0	0	0
	Shebin El Kom	31.3	23	17.4	1	4	1	0	0	0	11.0	28	1.6	2	29	6	0	0
	Zagazig	30.5	23	16.8	1	3	1	0	0	0	13.3	23·28	4.2	2	24	1	0	0
	Abu Sueir ... ... (A)	31.8	23	17.1	1	5	2	0	0	0	13.4	23	5·0	2	23	0	0	0
	Zaher ... ... (A)	32.7	27	16.8	1	3	2	0	0	0	13.7	23·28	5 1	2	23	0	0	0
	Wadi El Natrun	34 2	27	16.7	1	5	3	0	0	0	12.8	28	4.7	2	24	1	0	0
	Inshas ... ... (A)	31.2	27	15.5	1	3	1	0	0	0	13.5	22.28	5.0	2	19	0	0	0
	Fayed ... ... (A)	29.6	27	17.0	1	5	0	0	0	0	14.1	28	3.8	1	28	3	0	0
	Kabrit ... ... (A)	31.5	23	16.7	1	5	1	0	0	0	15.6	28	4.9	1·2	15	2	0	0
CAIRO AREA	Cairo ... ... (A)	31.8	27	15.4	1	3	1	0	0	0	14.5	28	5.3	2	19	0	0	0
	Mostafa Helmi ... ... (A)	31.5	27	16.0	1	4	2	0	0	0	13 8	23	5.1	2	26	0	0	0
	Almaza ... ... (A)	30.9	27	15.7	1	3	3	0	0	0	14.9	23	5.8	2	18	0	0	0
	Abbasiya ... ...(H.Q.)... ...	31.5	27	17.2	1	4	3	0	0	0	15.0	28	4.8	2	19	1	0	0
	Imbaba ... ... (A)	31.3	27	17.2	1	4	2	0	0	0	13.4	28	1.9	2	26	4	0	0
	Giza	31.3	27	16.4	1	6	2	0	0	0	13.5	28	2.5	2	26	1	0	0
	Helwan	30.5	27	15.3	1	3	1	0	0	0	15.1	24	5.2	2	19	0	0	0

TABLE A 4 (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES,

MARCH 1961

District	Station.	Maximum temperature (°C)									Minimum temperature (°C)							
		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
UPPER EGYPT	Fayoum	32.8	27	17.1	1	5	2	0	0	0	12.0	24	4.9	2	20	1	0	0
	Bani Suef	33.0	27	17.0	1	6	2	0	0	0	13.7	28	3.0	3	26	3	0	0
	Seds	32.3	27	19.2	1	5	2	0	0	0	15.2	28	2.7	2	30	5	0	0
	Minya (A)	32.6	24	18.0	1·9	8	3	0	0	0	14.2	28	2.0	1·3	30	4	0	0
	Mallawi	34.5	27	18.5	1	10	3	0	0	0	12.4	28	1.0	1	30	9	0	0
	Asyout (Mangabad) (A)	34.0	27	17.4	1	7	3	0	0	0	16.8	28	4.3	1	18	1	0	0
	Shandaweel	33.2	24	18.6	10	15	3	0	0	0	12.5	28	4.0	3	27	4	0	0
	Nag Hammadi	33.6	24	19.3	10	12	3	0	0	0	12.5	28	5.0	1·3	25	0	0	0
	Kena	34.1	24	19.4	5	26	5	0	0	0	13.9	25	5.6	3	11	0	0	0
	Luxor (A)	34.3	24	18.1	5	18	5	0	0	0	14.6	29	3.8	2	20	2	0	0
	Kom Ombo	36.7	24	21.5	2	28	7	2	0	0	14.2	8	5.3	2	23	0	0	0
	Aswan (A)	36.3	27	20.0	2	21	6	1	0	0	15.3	28	5.6	3	7	0	0	0
WESTERN DESERT	Siwa	32.9	23	17.4	1	4	1	0	0	0	12.5	24	2.9	2	27	4	0	0
	Bahariya	35.0	27	18.2	1	5	2	0	0	0	13.8	28	2.1	3	26	8	0	0
	Farafra	35.0	27	17.5	9	5	3	0	0	0	16.3	28	—0.2	3	28	3	1	0
	Dakhla	36.0	27	17.2	1	8	3	0	0	0	14.5	28	0.4	2	25	10	0	0
	Kharga	35.0	27	19.0	1	17	5	0	0	0	14.8	25	4.5	3	17	1	0	0
RED SEA	Suez	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor	30.0	24	18.2	1	6	0	0	0	0	16.8	29	6.6	2	8	0	0	0
	Hurghada	27.5	28	19.4	1·10	5	0	0	0	0	15.8	25	8.4	3	9	0	0	0
	Quseir	35.0	28	19.2	1	2	1	0	0	0	18.0	5	12.6	3	0	0	0	0
	Abul Kizan	27.3	24	21.3	1	3	0	0	0	0	21.7	25	18.6	1	0	0	0	0

TABLE A 5.—RAINFALL AND SNOW DEPTH

MARCH 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	<0.1	≥0.1	≥1.0	≥5.0	≥10	≥25	50		
MEDITERRANEAN	Sallum	5.5	— 5.3	3.3	10	0	3	2	0	0	0	0	0.0	—
	Sidi Barrani	6.5	— 9.1	2.8	7	0	4	3	0	0	0	0	0.0	—
	Mersa Matruh... ... ... (A)	9.2	— 4.2	6.7	7	0	6	1	1	0	0	0	0.0	—
	Dabaa	0.7	— 9.9	0.3	19	0	3	0	0	0	0	0	0.0	—
	Dekheila ... ... (A)	1.8	— 4.7	1.2	29	0	3	1	0	0	0	0	0.0	—
	Alexandria ... ... (A)	1.5	— 9.6	0.9	29	2	2	0	0	0	0	0	0.0	—
	Damietta	4.0	— 5.1	4.0	15	3	1	1	0	0	0	0	0.0	—
	Port Said ... ... (A)	4.4	— 4.3	2.8	19	3	2	2	0	0	0	0	0.0	—
	El Arish	13.1	— 0.4	10.0	19	2	4	2	1	1	0	0	0.0	—
	Ghazza	25.4	+ 8.4	8.0	19	2	6	5	4	0	0	0	0.0	—
	Ras El Hikma	—	—	—	—	—	—	—	—	—	—	—	—	—
	Fuka	0.0	— 8.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Hammam	0.0	— 5.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Borg El Arab	1.5	— 5.5	1.0	8	0	2	1	0	0	0	0	0.0	—
	Mex...	0.8	— 8.2	0.8	7	3	1	0	0	0	0	0	0.0	—
	Tolombat El Tabia	0.0	— 9.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kom El Tarfaia	0.0	— 8.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Rosetta L.H.	3.7	— 9.3	2.5	19	0	3	2	0	0	0	0	0.0	—
	Borollos L.H.	4.8	—12.2	2.3	19	0	4	2	0	0	0	0	0.0	—
	Damietta L.H.	3.4	—11.6	1.2	19	4	3	3	0	0	0	0	0.0	—
LOWER EGYPT	El Sirw	0.0	— 5.8	0.0	—	0	0	0	0	0	0	0	0.0	—
	Sakha	0.0	— 9.3	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mansoura	2.0	— 4.2	1.0	15·19	2	2	2	0	0	0	0	0.0	—
	Damanhour	1.8	— 4.9	1.3	10	2	3	1	0	0	0	0	0.0	—
	Gimmeiza	4.5	+ 1.0	4.5	1	0	1	1	0	0	0	0	0·0	—
	Tanta	1.6	— 2.3	1.0	1	0	3	1	0	0	0	0	0.0	—
	Tahrir	tr.	— 1.2	tr.	1·7·30	3	0	0	0	0	0	0	0.0	—
	Shebin El Kom	0.0	— 2.9	0.0	—	0	6	0	0	0	0	0	0.0	—
	Zagazig	10.5	+ 6.7	10.5	19	1	1	1	1	1	0	0	0.0	—
	Abu Sueir ... ... (A)	1.2	—	1.2	19	3	1	1	0	0	0	0	0.0	—
	Banha	tr.	— 3.2	tr.	30	1	0	0	0	0	0	0	0.0	—
	Zaher ... ... (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Wadi El Natrun	0.8	— 1.5	0.8	10	1	1	0	0	0	0	0	0.0	—
	Inshas ... ... (A)	0·7	—	0.6	11	1	2	0	0	0	0	0	0.0	—
	Fayed ... ... (A)	tr.	—	tr.	7·30	2	0	0	0	0	0	0	0.0	—
	Kabrit ... ... (A)	0.0	—	0.0	—	0	0	6	0	0	0	0	0.0	—
	Delta Barrage	0.0	— 1.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolombat El Boseili	2.0	— 5.0	2.0	29	0	1	1	0	0	0	0	0·0	—
	Kafr El Dawar	0.0	—10.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Sheikh	2.0	— 6.0	1.0	11·29	0	2	2	0	0	0	0	0.0	—
	Kafr El Zayat	3.0	— 4.0	3.0	1	2	1	1	0	0	0	0	0.0	—
	Faqus	0.9	— 6.1	0.6	19	0	2	0	0	0	0	0	0.0	—
CAIRO AREA	Cairo ... ... (A)	tr.	— 2.6	tr.	11	1	0	0	0	0	0	0	0.0	—
	Mostafa Helmi ... ... (A)	tr.	—	tr.	11	1	0	0	0	0	0	0	0.0	—
	Almaza ... ... (A)	0.3	— 2.4	0.3	11	0	1	0	0	0	0	0	0.0	—
	Abbasiya (H.Q.) ...	1.2	—	1.2	11	0	1	1	0	0	0	0	0.0	—
	Imbaba ... ... (A)	2.2	—	2.2	11	0	1	1	0	0	0	0	0.0	—
	Giza	1.8	— 1.4	1.8	11	1	1	1	0	0	0	0	0.0	—
	Helwan	0.0	— 3.4	0.0	—	0	0	0	0	0	0	0	0.0	—

TABLE A 5 (*contd.*)—RAINFALL AND SNOW DEPTH.

MARCH 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	< 0.1	≥ 0.1	≥ 1.0	≥ 5.0	≥ 10	≥ 25	≥ 50		
UPPER EGYPT	Fayoum	0.0	—2.0	0.0	—	0	0	0	0	0	0	0	0·0	—
	Beni Suef	0.0	—1.8	0.0	—	0	0	0	0	0	0	0	0.0	—
	Seds	0.0	—0.3	0.0	—	0	0	0	0	0	0	0	0.0	—
	Minya ... ... (A)	0.0	—0.3	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mallawi	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Asyout (Mangabad) ... (A)	0.0	—tr	0.0	—	0	0	0	0	0	0	0	0.0	—
	Shandaweel	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Nag Hammadi	0.0	—0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kena	0.0	—0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Luxor ... ... (A)	tr	—0.1	tr	10	1	0	0	0	0	0	0	0.0	—
	Kom Ombo	—	—	—	—	—	—	—	—	—	—	—	0.0	—
	Aswan ... ... (A)	0.0	—0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
DESERT	Siwa	tr	+tr	tr	10	1	0	0	0	0	0	0	0.0	—
	Bahariya	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Farafra	0.0	—0.3	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dakhla	tr	+tr	tr	9	1	0	0	0	0	0	0	0.0	—
	Kharga	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0·0	—
RED SEA	Suez...	—	—	—	—	—	—	—	0	0	0	0	0.0	—
	Tor	0.0	—2.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Hurghada	0.0	—0.4	0.0	—	0	0	0	0	0	0	0	0.0	—
	Quseir	tr	—0.3	tr	5·10	2	0	0	0	0	0	0	0.0	—
	Abul Kizan	0.0	—0.5	0.0	—	0	0	0	0	0	0	0	0.0	—

TABLE A 6.—BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT & BLACK BULB TEMPERATURES AND GRASS MINIMUM

MARCH 1961

District	Station	Duration of bright sunshine (hours)			Mean sky cover (oktas)								Mean daily evaporation Piche (millimetres)	Mean maximum temp. °(C) of		Mean grass minimum (°C)
		Total actual	Total possible	Percentage %	0000 U.T.		0600 U.T.		1200 U.T.		1800 U.T.			Black bulb thermometer	Bright bulb thermometer	
					Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal				
MEDITERRANEAN	Sallum	—	—	—	1·8	—	3.4	—	3.6	—	2.3	—	9.3	—	—	11.1
	Sidi Barrani	—	—	—	—	—	3.1	—	3.0	—	2.3	—	6.2	—	—	—
	Mersa Matruh ... (A)	*(198.3	312.5	63.5)	2·4	—	4.7	—	4.1	—	2.9	—	8.3	—	—	—
	Dabaa	—	—	—	—	—	3.0	—	3.0	—	1.8	—	3.5	—	—	—
	Dekheila ... ... (A)	—	—	—	1·9	—	4.2	—	3.7	—	2.7	—	6.5	—	—	—
	Alexandria ... ... (A)	292.0	371.6	78.6	2·9	—	4.2	—	4.6	—	3.8	—	4.0	—	—	—
	Damietta	—	—	—	—	—	3.1	—	3.5	—	1.4	—	4.5	—	—	—
	Port Said ... ... (A)	287.6	371.6	77.4	1·6	—	2.7	—	2.6	—	1.4	—	5.8	—	—	—
	El Arish	—	—	—	2·9	—	3.7	—	3.9	—	2.7	—	5.3	—	—	—
	Ghazza	259.6	371.8	69.8	3.1	—	3.9	—	3.3	—	2.2	—	5.4	—	—	—
LOWER EGYPT	El Sirw...	—	—	—	—	—	2.9	—	3.2	—	1.2	—	3.7	—	—	—
	Sakha	—	—	—	—	—	2.4	—	2.6	—	1.5	—	3.8	—	—	6.0
	Mansoura	—	—	—	—	—	2.2	—	4.0	—	1.2	—	3.7	—	—	—
	Damanhour	—	—	—	—	—	2.8	—	3.0	—	2.2	—	3.2	—	—	—
	Gimmeiza	273.5	371.9	73.5	—	—	0.9	—	3.7	—	1.0	—	3.9	—	—	—
	Tanta	286.0	371.8	76·9	—	—	1.7	—	3.6	—	1.3	—	4.6	59	35	—
	Tahrir	302.1	371.9	81.2	—	—	2.5	—	3.8	—	1.5	—	7.0	—	—	7·6
	Shebin El Kom	—	—	—	—	—	1.1	—	3.2	—	0.8	—	2.9	—	—	—
	Zagazig ...	*(241.6	360.3	67·1)	—	—	3.3	—	5.3	—	1.3	—	3.5	—	—	—
	Abu Sueir ... ... (A)	—	—	—	1.4	—	2·0	—	4.3	—	1.5	—	8.2	67	—	6·7
	Zaher ... ... (A)	—	—	—	—	—	2.1	—	4.2	—	2.0	—	6.9	—	—	—
	Wadi El Natrun... ...	—	—	—	—	—	2.4	—	3.4	—	2.0	—	5.7	—	—	—
	Inshas ... ... (A)	—	—	—	—	—	1.7	—	3.6	—	1.5	—	—	—	—	—
	Fayed ... ... (A)	—	—	—	—	—	1.5	—	3.7	—	1.0	—	9.7	—	—	—
	Kabrit ... ... (A)	—	—	—	—	—	2.1	—	3.2	—	1.8	—	8.3	—	—	—
CAIRO AREA	Cairo ... ... (A)	—	—	—	1.4	—	2.7	—	4.2	—	1.8	—	7.4	—	—	—
	Mostafa Helmi ... (A)	—	—	—	1.1	—	2.8	—	3.8	—	1.5	—	8.3	—	—	—
	Almaza... ... ... (A)	282.8	371.9	76.0	0.9	—	1.9	—	3.9	—	1.7	—	6.9	—	—	—
	Abbasiya ... (H.Q.)	285·7	371.9	76.8	0.7	—	2.7	—	3.7	—	1.9	—	4.8	66	37	—
	Imbaba... ... ... (A)	—	—	—	—	—	1.8	—	3.9	—	—	—	5.5	—	—	—
	Giza	264.0	371.9	71.0	—	—	2.7	—	3.5	—	1.1	—	5.2	—	—	0.3
	Helwan...	266.9	371.7	71.8	—	—	3.1	—	3.5	—	1.4	—	8.3	—	—	—
UPPER EGYPT	Fayoum	—	—	—	—	—	1.8	—	2.7	—	0.8	—	5.9	—	—	—
	Beni Suef	—	—	—	—	—	1.4	—	2.6	—	0.9	—	4.3	—	—	5.7
	Seds	—	—	—	—	—	0.5	—	0.8	—	0.0	—	4.1	—	—	1.7
	Minya ... ... (A)	—	—	—	0 9	—	1.4	—	2.5	—	0.9	—	6.0	60	34	3.4
	Mallawi	—	—	—	—	—	1.0	—	1.6	—	0.4	—	3.6	—	—	4.0
	Asyout (Mangabad) (A)	—	—	—	0.9	—	1.7	—	1.9	—	0.9	—	9.8	67	41	7·5
	Shandaweel	300.4	371·9	80.8	—	—	1.2	—	1.4	—	0.5	—	4.6	—	—	2.4
	Nag Hammadi	—	—	—	—	—	1·2	—	1.3	—	0.4	—	6.5	—	—	8.3
	Kena	—	—	—	—	—	2.6	—	2.4	—	1·7	—	5.4	—	—	8.3
	Luxor ... ... (A)	—	—	—	1.6	—	2 8	—	2.3	—	1.8	—	7.0	60	39	7.0
	Kom Ombo	—	—	—	—	—	2.5	—	2.7	—	1.7	—	10.3	—	—	6.6
	Aswan ... ... (A)	—	—	—	1.8	—	3.4	—	3.0	—	2.4	—	14.6	—	—	—
WESTERN DESERT	Siwa	—	—	—	1.1	—	1.4	—	2.4	—	1.7	—	8.7	68	39	4.9
	Bahariya	—	—	—	0.9	—	1.5	—	2.6	—	1.1	—	5.2	—	—	—
	Farafra	—	—	—	0·5	—	1.4	—	1.8	—	0.2	—	12.0	—	—	—
	Dakhla	—	—	—	1·5	—	2 3	—	2.3	—	1.4	—	12.0	52	40	3.7
	Kharga	—	—	—	1.1	—	1.9	—	2.3	—	1.0	—	7.7	—	—	6.1
RED SEA	Suez	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor...	—	—	—	1.8	—	2.7	—	3.0	—	1.8	—	7.2	—	—	—
	Hurghada	—	—	—	1.9	—	2.5	—	2.8	—	1.9	—	15.6	—	—	—
	Quseir	—	—	—	2.3	—	3.5	—	3.0	—	2.8	—	15.0	—	—	—
	Abul Kizan	—	—	—	—	—	3.5	—	3.4	—	2.1	—	4.9	—	—	—

(*) for 26 days at M. Matruh & 30 days at Zagazig.

TABLE A 7.—SOIL TEMPERATURES (°C) AT FIXED HOURS

MARCH 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
MEDITERRANEAN	Mersa Matruh... (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	16.4	18.4	29	14.0	4	16.3	18.0	26	14.0	4	16.2	18.0	24	14.0	1	16.4	18.4	24	14.2	2
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	18.4	20.8	29	15.2	2	18.5	20.8	29	15.4	1	18.4	20.7	28	15.3	1	18.4	20.8	28	15.2	
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LOWER EGYPT	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	14.2	15.0	1	14.0	*	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	14.2	15.0	1	14.0	*	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza ...	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	19.2	24.0	23	15.5	1,2,3	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	19.0	21.0	23	17.5	*	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	13.7	18.0	28	9.0	2	19.2	23.0	23	15.0	1,2	18.1	22.0	23	14.0	1,2
		10	—	—	—	—	—	16.3	20.0	28	12.4	2	18.9	22.1	38	15.1	2	19.0	22.4	23	15.4	2
		20	—	—	—	—	—	17.1	20.0	28	14.0	2	17.3	20.2	28	14.1	3	17.9	20.6	28	14.8	2
		50	—	—	—	—	—	18.9	20.8	29	16.9	3	18.9	20.8	29	16.8	1	18.8	20.8	28	16.8	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS

MARCH 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
LOWER EGYPT (*contd.*)	Tahrir	5	—	—	—	—	—	13.5	19.1	28	8.8	2	26.9	34.5	22	22.8	8	18.7	24.1	27	14.3	1
		10	—	—	—	—	—	13.8	19.2	28	9.4	2	23.3	28.9	23	20.3	1	20.1	25.1	23	15.6	1
		20	—	—	—	—	—	15.8	20.5	28	11.9	2	19.0	22.6	23	15.6	1	20.6	24.8	23	16.7	1
		50	—	—	—	—	—	18.2	20.6	28-29	15.5	2	17.8	20.4	28	15.0	2	18.2	20.8	28	15.5	1
		100	—	—	—	—	—	18.5	20.1	31	17.1	3	—	—	—	—	—	18.5	20.0	29,30,31	17.1	2
		200	—	—	—	—	—	19.6	20.2	31	19.4	*	—	—	—	—	—	18.7	20.2	30-31	19.4	*
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	18.8	21.5	29	17.0	4	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	19.4	21.0	29	18.5	4	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	20.3	21.0	*	19.5	4	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CAIRO AREA	Giza...	5	—	—	—	—	—	13.7	20.5	28	8.8	2	26.4	31.8	23	21.4	11	20.5	25.5	27	16.3	11
		10	—	—	—	—	—	16.1	21.0	38	12.6	2	21.0	24.9	28	17.2	2	21.5	25.2	23	18.2	1
		20	—	—	—	—	—	19.0	21.9	28	16.5	2	19.0	22.2	28	16.4	2	20.2	23.0	28	17.6	2
		50	—	—	—	—	—	19.8	21.8	30	18.2	3	19.8	21.7	29-30	18.1	2	19.7	21.7	29	18.0	2
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
UPPER EGYPT	Seds	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	18.4	19.0	14	17.5	10	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A) ...	5	17.8	22.0	25	13.5	1	14.8	19.0	28	11.0	1-2-3	24.7	30.0	24	18.5	9	21.4	25.6	24	17.5	1
		10	19.9	23.0	25,28,29	16.0	3	17.8	21.7	28	14.8	2	21.6	25.4	24	17.3	1	21.5	26.3	24	16.9	1
		20	19.9	23.2	28	16.7	3	19.1	22.5	29	16.0	3	19.6	22.2	29	17.0	2	20.0	23.0	24	16.7	1
		50	20.4	22.7	29	18.3	3	20.3	22.6	29	18.2	2	20.3	22.7	28	18.4	2	20.4	22.6	28	18.3	2
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* — More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS

MARCH 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
UPPER EGYPT (*contd.*)	Mallawi ...	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	16.0	17.8	29,30,31	14.8	*	16.0	17.8	29,30,31	14.8	*	16.0	17.8	29,30,31	14.8	*
		100	—	—	—	—	—	16.5	17.5	29,30,31	16.0	*	16.5	17.5	29,30,31	16.0	*	16.5	17.5	29,30,31	16.0	*
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel ...	5	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	21.4	24.0	24,29,30	19.0	1·2	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	20.9	23.0	28	19.7	2	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kome Ombo ..	5	—	—	—	—	—	20·1	24.5	31	15.0	1	31.5	36.5	24	25·5	1	21.0	27.2	23	15.5	2
		10	—	—	—	—	—	19·8	25.0	31	14.0	2	30.4	37.2	24	22 5	1	21.6	26.2	24	16.5	2
		20	—	—	—	—	—	20.3	25.2	31	17.0	4	28.2	37.2	24	22.5	11	22.4	27.5	28	19·6	12
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* = More than three days.

TABLE A 8.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

MARCH 1961

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres.	Dust rising/Sand rising vis. ≥ 1000 metres	Duststorm/Sandstorm vis. < 1000 metres.	Drifting snow: Slight/moderate vis. below eye level ≥ 1000 metres	Drifting snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing snow: Slight/moderate vis. below eye level ≥ 1000 metres	Blowing snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear Sky	Cloudy Sky
MEDITERRANEAN	Sallum	3	0	0	0	0	0	0	0	5	0	2	0	0	0	0	0	0	10	1
	Sidi Barrani	4	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	—	—
	Mersa Matruh ... ... (A)	6	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	5	1
	Dabaa	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Dekheila ... ... (A)	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	11	0
	Alexandria ... ... (A)	2	0	0	0	0	1	1	2	0	0	1	0	0	0	0	0	0	4	2
	Damietta	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Port Said ... ... (A)	2	0	0	0	0	1	1	0	1	0	3	0	0	0	0	0	0	17	0
	El Arish	4	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	7	1
	Ghazza	6	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	8	2
LOWER EGYPT	El Sirw	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—
	Mansoura	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Damanhour	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	0	0	0	0	0	0	6	0	0	0	1	0	0	0	0	0	0	—	—
	Shebin El Kom	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Zagazig...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir ... ... (A)	1	0	0	0	0	1	8	0	1	0	4	1	0	0	0	0	0	13	1
	Zaher ... ... (A)	0	0	0	0	0	0	5	0	2	0	1	0	0	0	0	0	0	—	—
	Wadi El Natrun	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	—	—
	Inshas.. .. .. (A)	2	0	0	0	0	0	5	0	11	0	1	0	0	0	0	0	0	—	—
	Fayed ... ... (A)	0	0	0	0	0	1	1	0	0	0	2	2	0	0	0	0	1	—	—
	Kabrit ... ... (A)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
CAIRO AREA	Cairo ... ... (A)	0	0	0	0	0	1	13	0	13	0	1	0	0	0	0	0	0	12	0
	Mostafa Helmi ... ... (A)	0	0	0	0	0	0	13	2	8	0	7	1	0	0	0	0	0	11	0
	Almaza ... ... (A)	1	0	0	0	0	0	3	0	9	0	1	0	0	0	0	0	0	13	0
	Abbasiya ... ...(H.Q)	1	0	0	0	0	0	1	0	5	0	0	0	0	0	0	0	0	12	0
	Imbaba ... ... (A)	1	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	—	—
	Giza	1	0	0	0	0	1	11	1	6	0	0	0	0	0	0	0	0	—	—
	Helwan	0	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 8 (*contd.*)—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

MARCH 1961

District	Station	Precipitation				Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres	Dust rising/Sand rising vis. ≥ 1000 metres	Duststorm/Sandstorm vis. < 1000 metres.	Drifting snow		Blowing snow		Gales	Clear Sky	Cloudy Sky
		Rain	Snow	Ice pellets	Hail									Slight/moderate vis. below eye level ≥ 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)	Slight/moderate vis. below eye level ≥ 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)			
Upper Egypt	Fayoum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Beni Suef	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	—	—
	Seds	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya ... ... (A)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	24	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad) ... ... (A)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	23	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor ... ... (A)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	19	3
	Kom Ombo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Aswan ... ... (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1
Western Desert	Siwa	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	22	0
	Bahariya	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	22	0
	Farafra	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	1
	Kharga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	1
Red Sea	Suez	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	20	2
	Hurghada	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	19	2
	Quseir	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	14	4
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

MARCH 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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	1	220	1-10	27	14	7	2	6	7	14	5	8	6	9	24	129
					11-27	66	13	2	12	19	17	27	34	19	18	61	104	392
					28-47	0	0	0	0	0	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	27	9	14	25	24	41	39	27	24	70	128	521
	Mersa Matruh (A)	6	3	0	1-10	81	29	10	8	12	17	6	18	60	47	21	51	360
					11-27	32	7	3	11	15	13	24	28	31	44	68	96	372
					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	113	36	13	19	27	30	30	46	91	91	89	150	735
	Dekheila ... (A)	6	1	0	1-10	99	79	20	21	10	8	12	24	17	23	58	119	490
					11-27	33	26	4	5	17	0	0	0	2	29	65	66	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	132	105	24	26	27	8	12	24	19	52	123	185	737
	Alexandria ... (A)	0	0	0	1-10	46	28	30	12	16	8	17	20	6	31	57	54	325
					11-27	55	17	6	18	3	3	4	3	40	70	162	38	419
					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	101	45	36	30	19	11	21	23	46	101	219	92	744
	Port Said ... (A)	3	1	2	1-10	43	63	28	9	10	7	7	6	17	41	41	40	312
					11-27	57	53	43	37	7	3	3	5	37	72	56	49	422
					28-47	0	0	0	0	0	0	0	0	0	0	4	0	4
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	100	116	71	46	17	10	10	11	54	113	101	89	738
	El Arish	7	0	0	1-10	45	87	23	17	36	55	56	55	77	31	77	59	618
					11-27	0	5	1	0	0	2	0	1	17	26	66	1	119
					28-47	0	0	0	0	0	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	92	24	17	36	57	56	56	94	57	143	60	737
LOWER EGYPT	Tanta	47	2	1	1-10	27	31	33	22	14	5	21	135	118	104	77	44	631
					11-27	0	1	2	1	0	0	0	3	13	27	3	13	63
					28-47	0	0	0	0	0	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	32	35	23	14	5	21	138	131	131	80	57	694
	Zaher ... .. (A)	18	0	0	1-10	48	27	22	22	3	4	21	35	117	87	108	49	543
					11-27	10	14	15	4	7	9	3	2	20	33	38	14	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	58	41	37	26	10	13	24	37	137	120	146	63	726
CAIRO AREA	Cairo .. .. (A)	77	4	44	1-10	30	66	30	27	10	9	9	27	53	75	116	43	504
					11-27	5	11	7	11	0	0	2	4	10	31	24	10	115
					28-47	0	0	0	0	0	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	77	46	38	10	9	11	31	63	106	140	53	619
	Mostafa Helmi (A)	5	12	0	1-10	39	35	29	8	8	9	23	21	34	46	61	61	374
					11-27	45	64	31	14	0	1	7	2	10	29	54	96	353
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All Speeds	84	99	60	22	8	10	30	23	44	75	115	157	727

TABLE A 9 (*contd*).— NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

MARCH 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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
CAIRO AREA (*cont.*)	Almaza ... .. (A)	3	2	0	1-10	57	77	91	13	41	26	18	29	30	60	90	110	642
					11-27	4	18	10	8	5	0	3	6	4	17	20	2	97
					28-47	0	0	0	0	0	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**	**95**	**101**	**21**	**46**	**26**	**21**	**35**	**34**	**77**	**110**	**112**	**739**
	Abbasiya (H.Q) ..	169	1	0	1-10	72	57	30	3	2	19	25	30	48	75	113	97	571
					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	**72**	**57**	**30**	**3**	**2**	**19**	**25**	**30**	**50**	**76**	**113**	**97**	**574**
	Giza	154	5	0	1-10	79	54	14	2	7	45	13	13	13	46	87	153	526
					11-27	10	3	0	0	0	3	1	0	6	6	18	12	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	**89**	**57**	**14**	**2**	**7**	**48**	**14**	**13**	**19**	**52**	**105**	**165**	**585**
UPPER EGYPT	Minya ... ... (A)	42	4	4	1-10	188	77	6	0	2	15	15	6	9	22	54	114	508
					11-27	79	51	0	0	0	2	5	0	0	14	25	26	186
					28-47	0	0	0	0	0	2	0	0	6	5	0	1	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**267**	**128**	**6**	**0**	**2**	**15**	**20**	**6**	**9**	**22**	**79**	**140**	**694**
	Luxor .. .. (A)	66	13	0	1-10	104	34	12	17	13	18	58	77	46	19	51	184	633
					11-27	6	1	1	0	0	0	0	0	0	0	1	23	32
					28-47	0	0	0	0	0	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**	**35**	**13**	**17**	**13**	**18**	**58**	**77**	**46**	**19**	**52**	207	**665**
WESTERN DESERT	Siwa	59	14	0	1-10	46	37	49	59	26	29	21	19	16	35	93	65	495
					11-27	11	25	0	2	17	3	6	5	5	8	41	53	176
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**57**	**62**	**49**	**61**	**43**	**32**	**27**	**24**	**21**	**43**	**134**	**118**	**671**
	Dakhla	10	11	0	1-10	71	49	32	18	12	12	12	18	40	78	127	146	615
					11-27	49	4	0	0	0	0	1	0	0	1	15	38	108
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**120**	**53**	**32**	**18**	**12**	**12**	**13**	**18**	**40**	**79**	**142**	**184**	**723**
RED SEA	Hurghada	7	0	0	1-10	17	16	8	4	8	8	8	3	1	6	39	30	148
					11-27	169	8	0	0	0	0	0	0	0	5	157	186	525
					28-47	27	0	0	0	0	0	0	0	0	0	1	36	64
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**213**	**24**	**8**	**4**	**8**	**8**	**8**	**3**	**1**	**11**	**197**	**252**	**737**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SALLUM — MARCH 1961

Hour (U.T.)	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	4	2	0	1	0	0	0	0	1	2	3	4	17
				11-27	1	0	0	1	0	0	0	2	1	4	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	5	2	0	2	0	0	0	2	2	6	3	5	27
0300	7	0	0	1-10	0	0	0	0	0	0	0	0	0	2	3	7	12
				11-27	2	0	0	1	0	0	0	1	2	5	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	2	0	0	1	0	0	0	1	2	7	4	7	24
0600	4	0	0	1-10	0	1	0	1	1	0	0	0	0	5	3	4	15
				11-27	0	1	0	1	0	0	0	0	2	6	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	0	2	0	2	1	0	0	0	2	11	5	4	27
0900	4	0	0	1-10	4	4	1	0	0	0	1	0	1	2	1	0	14
				11-27	1	0	0	1	0	0	1	1	0	4	3	1	12
				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	5	4	1	1	0	0	2	2	1	6	4	1	27
1200	0	0	0	1-10	4	5	3	2	0	0	0	0	1	3	1	1	20
				11-27	1	1	2	0	0	0	1	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	5	6	5	2	0	0	1	1	2	4	2	3	31
1500	2	0	0	1-10	5	4	4	0	0	0	2	0	0	0	0	0	15
				11-27	7	0	1	0	0	0	0	1	0	1	2	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	12	4	5	0	0	0	2	1	0	1	2	2	29
1800	6	0	0	1-10	4	2	1	0	0	0	1	0	0	1	2	6	17
				11-27	2	1	1	1	0	0	0	1	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	3	2	1	0	0	1	1	0	2	2	7	25
2100	7	0	0	1-10	2	1	2	1	0	0	0	2	1	1	3	6	19
				11-27	0	0	0	1	0	0	0	1	0	0	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	1	2	2	0	0	0	3	1	1	5	7	24

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MERSA MATRUH (A) — MARCH 1961

Hour (U.T.)	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	3	0	1	1	1	0	0	3	6	2	0	0	17
				11–27	2	1	0	0	1	1	3	0	1	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	5	1	1	1	2	1	3	3	7	4	1	2	31
0300	0	0	0	1–10	3	1	0	0	0	0	1	1	5	3	0	0	14
				11–27	0	1	0	0	1	2	2	2	3	1	2	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	3	2	0	0	1	2	3	3	8	4	2	3	31
0600	0	0	0	1–10	2	0	1	0	0	0	1	0	7	3	0	0	14
				11–27	2	1	0	0	1	1	4	0	4	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	4	1	1	0	1	1	5	0	11	4	1	2	31
0900	0	0	0	1–10	2	1	0	0	0	1	0	0	2	0	0	3	9
				11–27	3	1	0	1	1	0	0	3	0	6	3	4	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	2	0	1	1	1	0	3	2	6	3	7	31
1200	0	0	0	1–10	1	1	0	0	0	0	1	0	0	0	0	5	8
				11–27	2	0	0	1	0	0	0	3	1	0	3	11	23
				28–47	0	0	0	0	0	0	0	0	0	1	1	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	1	0	1	0	0	1	3	1	1	4	16	31
1500	0	0	0	1–10	1	1	1	0	0	0	0	0	0	0	2	4	9
				11–27	3	0	1	1	0	0	1	0	0	1	6	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	4	1	2	1	0	0	1	0	0	1	8	13	31
1800	2	0	0	1–10	3	1	0	2	1	1	1	0	0	4	3	7	23
				11–27	2	0	0	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	5	1	0	2	1	1	1	0	0	5	5	8	29
2100	2	0	0	1–10	2	2	0	0	1	1	0	0	6	3	0	4	19
				11–27	0	0	0	0	2	0	2	0	1	2	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	2	2	0	0	3	1	2	0	7	5	1	6	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DEKHEILA (A) – MARCH 1961

Hour (U.T.)	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	0	1	1	1	0	3	0	1	1	5	22
				11–27	2	1	0	1	0	0	0	0	0	2	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	8	4	0	2	1	1	0	3	0	3	2	7	31
0300	1	0	0	1–10	7	1	0	0	1	0	1	2	1	1	0	5	19
				11–27	1	3	0	1	0	0	0	0	0	2	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	8	4	0	1	1	0	1	2	1	3	3	6	30
0600	1	0	0	1–10	3	3	1	1	0	1	1	2	3	0	4	4	19
				11–27	2	1	0	0	1	0	0	0	1	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	6	4	1	1	1	1	1	2	4	0	4	5	30
0900	0	0	0	1–10	4	3	0	1	0	0	3	0	0	2	2	4	19
				11–27	0	1	0	0	1	0	0	0	0	2	1	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	4	4	0	1	1	0	3	0	0	4	3	11	31
1200	0	0	0	1–10	5	2	0	0	0	0	0	0	0	1	2	5	15
				11–27	1	2	0	0	1	0	0	0	0	2	6	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	6	4	0	0	1	0	0	0	0	3	8	9	31
1500	0	0	0	1–10	6	3	0	0	0	0	0	0	0	0	0	8	17
				11–27	3	2	1	1	0	0	0	0	0	0	4	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	9	5	1	1	0	0	0	0	0	0	4	8	31
1800	0	0	0	1–10	5	4	4	2	0	0	0	0	0	2	2	5	24
				11–27	1	1	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	6	5	4	2	0	0	0	0	0	2	3	9	31
2100	1	0	0	1–10	4	1	1	4	0	0	1	0	1	1	3	8	23
				11–27	1	1	0	1	0	0	0	0	0	1	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	5	2	1	5	0	0	0	0	1	2	4	10	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALEXANDRIA (A) — MARCH 1961

Hour (U.T.)	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	3	0	2	0	1	1	2	0	2	1	3	4	19
				11-27	2	0	1	0	0	0	0	0	2	1	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	5	0	3	0	1	1	2	0	4	2	6	7	31
0300	0	0	0	1-10	3	2	0	1	1	0	3	1	0	2	2	2	17
				11-27	1	0	0	1	0	0	0	0	1	3	5	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	2	0	2	1	0	3	1	1	5	7	5	31
0600	0	0	0	1-10	1	1	3	1	0	1	3	1	0	0	3	2	16
				11-27	2	0	0	1	0	0	0	1	1	3	5	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	1	3	2	0	1	3	2	1	3	8	4	31
0900	0	0	0	1-10	1	2	0	2	0	0	1	2	0	1	1	3	13
				11-27	2	0	0	0	1	1	0	0	2	4	6	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	3	2	0	2	1	1	1	2	2	5	7	5	31
1200	0	0	0	1-10	0	0	0	1	0	0	0	1	1	2	1	0	6
				11-27	5	1	0	1	0	0	0	0	2	4	10	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	5	1	0	2	0	0	0	1	3	6	11	2	31
1500	0	0	0	1-10	2	0	0	0	0	0	0	0	0	3	1	2	8
				11-27	4	3	0	1	0	0	0	0	0	2	11	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	6	3	0	1	0	0	0	0	0	5	12	4	31
1800	0	0	0	1-10	6	3	2	1	0	0	0	0	0	3	3	1	19
				11-27	1	1	0	0	0	0	0	0	0	1	7	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	4	2	1	0	0	0	0	0	4	10	3	31
2100	0	0	0	1-10	3	2	4	0	1	0	0	0	0	2	4	3	19
				11-27	2	0	1	0	0	0	0	0	2	2	4	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	2	5	0	1	0	0	0	2	4	8	4	31

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

PORT SAID (A) — MARCH 1961

Hour (U.T.)	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	3	3	0	1	0	1	0	0	1	4	3	0	16
				11-27	1	2	1	2	0	1	0	1	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	4	5	1	3	0	2	0	1	2	7	5	1	31
0300	0	0	0	1-10	2	3	1	0	1	1	1	0	3	0	4	1	17
				11-27	2	1	1	2	0	0	0	1	2	4	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	4	4	2	2	1	1	1	1	5	4	5	1	31
0600	0	0	0	1-10	3	1	2	0	0	1	1	0	1	4	2	0	15
				11-27	2	2	0	2	0	0	0	0	6	3	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	3	2	2	0	1	1	0	7	7	3	0	31
0900	0	0	0	1-10	2	2	1	0	0	0	1	1	2	3	0	2	14
				11-27	1	2	2	1	0	0	0	0	2	6	0	2	16
				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	4	3	1	0	0	1	1	4	9	1	4	31
1200	0	0	0	1-10	4	6	2	0	0	0	0	0	1	1	0	0	14
				11-27	2	0	3	0	0	0	0	0	0	2	3	6	16
				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	6	6	5	0	0	0	0	0	1	3	4	6	31
1500	0	0	0	1-10	2	1	2	1	0	0	0	0	0	0	0	0	6
				11-27	8	3	3	1	0	0	0	0	0	1	3	6	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	10	4	5	2	0	0	0	0	0	1	3	6	31
1800	0	0	0	1-10	1	0	2	2	1	0	0	0	0	0	3	2	11
				11-27	1	5	2	2	0	0	0	0	0	3	3	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	2	5	4	4	1	0	0	0	0	3	6	6	31
2100	1	0	0	1-10	1	3	0	0	1	0	0	0	0	0	4	4	13
				11-27	1	2	3	2	1	1	0	0	0	4	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	5	3	2	2	1	0	0	0	4	6	5	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

EL ARISH — MARCH 1961

Hour (U.T.)	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	2	0	3	3	0	2	3	5	2	2	1	25
				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	2	2	0	3	3	0	2	3	5	4	2	1	27
0300	3	0	0	1–10	2	0	1	2	1	4	4	5	8	0	1	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	2	0	1	2	1	4	4	5	8	0	1	0	28
0600	0	0	0	1–10	1	2	0	1	1	5	7	3	9	0	0	0	29
				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	1	2	0	1	1	5	7	3	11	0	0	0	31
0900	0	0	0	1–10	1	2	1	3	1	1	0	1	3	4	5	2	24
				11–27	0	0	0	0	0	0	0	0	1	4	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	1	2	1	3	1	1	0	1	4	8	7	2	31
1200	0	0	0	1–10	9	1	0	0	0	0	0	0	0	1	7	3	21
				11–27	0	1	0	0	0	0	0	0	0	2	7	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	9	2	0	0	0	0	0	0	0	3	14	3	31
1500	0	0	0	1–10	4	5	2	0	0	0	0	0	0	1	6	7	25
				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	4	5	2	0	0	0	0	0	0	1	10	9	31
1800	3	0	0	1–10	4	0	2	2	0	1	0	0	0	1	6	5	21
				11–27	2	0	0	0	0	0	0	0	0	0	4	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	6	0	2	2	0	1	0	0	0	1	10	6	28
2100	2	0	0	1–10	1	3	1	3	0	5	3	2	4	1	1	2	26
				11–27	0	0	0	0	0	0	0	0	1	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	1	3	1	3	0	5	3	2	5	1	3	2	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

GHAZZA — MARCH 1961

Hour (U.T.)	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	1	0	6	2	9	3	0	0	0	0	0	22
				11-27	1	0	0	0	0	0	1	1	0	6	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	1	0	6	2	9	4	1	0	6	0	0	31
0300	0	0	0	1-10	0	1	0	4	3	7	6	2	0	2	1	0	26
				11-27	0	0	0	0	0	1	1	0	2	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	0	1	0	4	3	8	7	2	2	2	1	1	31
0600	0	0	0	1-10	2	0	0	2	2	10	6	2	0	1	1	0	26
				11-27	0	0	0	0	0	0	0	1	2	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	2	0	0	2	2	10	6	3	2	2	1	1	31
0900	0	0	0	1-10	4	1	0	0	0	0	0	0	8	6	2	2	23
				11-27	0	0	0	0	0	0	0	1	6	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	4	1	0	0	0	0	0	1	14	7	2	2	31
1200	0	0	0	1-10	4	0	0	0	0	0	0	0	4	7	3	5	23
				11-27	1	1	0	0	0	0	0	0	3	2	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	5	1	0	0	0	0	0	0	7	9	4	5	31
1500	0	0	0	1-10	8	1	1	0	0	0	0	0	0	7	3	5	25
				11-27	1	0	0	0	0	0	0	0	0	4	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	1	1	0	0	0	0	0	0	11	4	5	31
1800	0	0	0	1-10	1	1	0	9	0	0	0	0	1	2	2	2	18
				11-27	4	1	0	0	0	0	0	0	0	4	4	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	5	2	0	9	0	0	0	0	1	6	6	2	31
2100	0	0	0	1-10	1	0	1	5	4	4	0	0	0	4	0	1	20
				11-27	0	1	0	2	1	0	0	0	0	6	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	1	1	7	5	4	0	0	0	10	0	2	31

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ABU SUEIR (A) — MARCH 1961

Hour (U.T.)	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	1	0	0	2	1	1	1	1	5	4	2	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	1	0	0	2	1	1	1	1	5	5	2	3	22
0300	10	0	0	1-10	0	0	0	0	1	0	1	0	11	2	1	2	18
				11-27	0	0	0	1	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	0	1	1	0	1	0	12	3	1	2	21
0600	7	0	0	1-10	0	0	0	0	2	0	0	0	5	5	2	2	16
				11-27	0	0	0	1	0	0	0	0	3	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	0	0	0	1	2	0	0	0	8	8	3	2	24
0900	2	0	0	1-10	1	1	1	3	0	1	0	1	1	0	4	0	13
				11-27	0	2	2	0	0	0	0	0	1	6	3	1	15
				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	3	3	3	0	1	0	1	3	6	7	1	29
1200	1	0	0	1-10	3	1	1	0	0	0	0	0	1	1	2	2	11
				11-27	2	2	0	1	0	0	0	0	1	4	3	5	18
				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	3	1	1	0	0	0	0	2	6	5	7	30
1500	0	0	0	1-10	1	0	1	2	0	0	0	0	0	0	2	1	7
				11-27	8	3	0	0	0	1	0	0	0	4	7	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	9	3	1	2	0	1	0	0	0	4	9	2	31
1800	1	0	0	1-10	4	4	3	0	0	0	0	0	0	2	1	2	16
				11-27	1	2	2	0	0	1	0	0	0	1	4	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	6	5	0	0	1	0	0	0	3	5	5	30
2100	3	0	0	1-10	2	1	2	1	2	1	1	0	2	4	4	7	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	2	1	2	1	2	1	1	0	2	5	4	7	28

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

CAIRO (A) — MARCH 1961

Hour (U.T.)	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	2	3	1	3	0	1	3	3	1	0	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	0	0	2	3	1	3	0	1	3	4	1	0	18
0300	16	0	0	1–10	1	0	0	2	1	1	3	1	3	2	0	0	14
				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	1	0	0	3	1	1	3	1	3	2	0	0	15
0600	12	0	0	1–10	0	1	4	1	0	0	0	5	2	3	0	1	17
				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	4	1	0	0	0	6	3	3	0	1	19
0900	1	0	0	1–10	1	2	0	1	0	0	0	0	4	5	3	3	19
				11–27	0	2	1	2	0	0	0	0	0	5	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	1	4	1	3	0	0	0	0	4	10	4	3	30
1200	0	0	0	1–10	4	2	1	1	0	0	0	1	0	3	7	4	23
				11–27	1	0	1	0	0	0	0	0	0	5	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	2	2	1	0	0	0	1	0	8	7	5	31
1500	0	0	0	1–10	1	1	1	1	0	0	0	0	0	4	6	4	18
				11–27	0	3	0	0	0	0	1	0	0	0	6	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	1	4	1	1	0	0	1	0	0	4	12	7	31
1800	6	0	0	1–10	3	4	0	0	0	0	2	0	0	2	4	7	22
				11–27	1	0	2	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	4	4	2	0	0	0	2	0	0	2	4	7	25
2100	7	0	0	1–10	1	5	1	1	2	1	0	1	1	3	4	2	22
				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	1	5	1	2	2	1	0	1	1	3	5	2	24

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MOSTAFA HELMI (A) — MARCH 1961

Hour (U.T.)	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	4	0	1	0	0	2	0	1	4	7	2	25
				11-27	0	0	0	2	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	4	4	0	3	0	0	2	0	1	5	7	3	29
0300	4	0	0	1-10	1	2	1	1	0	0	1	0	3	5	4	3	21
				11-27	0	1	0	1	0	0	0	0	1	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	1	3	1	2	0	0	1	0	4	6	5	4	27
0600	2	0	0	1-10	1	0	5	1	0	0	3	2	0	3	5	0	20
				11-27	1	0	1	0	0	0	1	0	0	4	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	0	6	1	0	0	4	2	0	7	7	0	29
0900	2	0	0	1-10	0	2	0	1	1	0	0	0	1	2	1	1	9
				11-27	1	3	3	0	0	0	0	0	0	1	6	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	1	5	3	1	1	0	0	0	1	3	7	7	29
1200	1	0	0	1-10	0	1	1	0	0	0	0	0	0	1	2	1	6
				11-27	3	3	3	0	0	0	1	0	0	3	5	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	3	4	4	0	0	0	1	0	0	4	7	7	30
1500	1	0	0	1-10	0	1	0	0	0	0	0	0	1	0	1	0	3
				11-27	6	3	4	0	0	0	0	0	0	1	4	8	26
				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	6	4	4	0	0	0	1	0	1	1	5	8	30
1800	0	0	0	1-10	1	2	0	0	1	0	0	2	0	1	0	1	8
				11-27	7	5	3	0	0	0	1	0	0	0	0	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	8	7	3	0	1	0	1	2	0	1	0	8	31
2100	2	0	0	1-10	6	0	1	0	0	1	2	0	0	2	3	3	18
				11-27	0	4	2	1	0	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	6	4	3	1	0	1	2	0	0	2	4	6	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALMAZA (A) — MARCH 1961

Hour (U.T.)	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	1	3	2	4	2	2	1	1	2	4	2	26
				11-27	0	0	0	0	1	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	5	2	2	1	1	3	4	2	28
0300	3	0	0	1-10	2	2	3	0	5	0	4	1	3	2	3	1	26
				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	2	2	3	1	5	0	4	1	3	3	3	1	28
0600	1	0	0	1-10	1	5	1	1	1	0	4	4	4	5	1	0	27
				11-27	0	0	0	1	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	5	1	2	1	0	4	4	5	6	1	0	30
0900	0	0	0	1-10	0	2	3	1	0	0	0	0	2	4	6	4	22
				11-27	0	3	2	1	0	0	0	0	0	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	0	5	5	2	0	0	0	0	2	6	7	4	31
1200	0	0	0	1-10	1	2	3	2	0	0	0	0	1	3	11	2	25
				11-27	0	1	1	0	0	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	4	2	0	0	0	1	1	5	12	2	31
1500	0	0	0	1-10	5	2	2	0	0	0	0	0	0	2	6	4	21
				11-27	2	2	1	0	0	0	0	1	0	0	3	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	7	4	3	0	0	0	0	1	0	2	9	5	31
1800	0	0	0	1-10	3	8	2	1	1	0	1	0	0	0	2	9	27
				11-27	0	2	0	1	0	0	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	3	10	2	2	1	0	1	1	0	0	2	9	31
2100	0	0	0	1-10	4	5	3	1	2	1	0	1	0	2	3	7	29
				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	4	5	3	3	2	1	0	1	0	2	3	7	31

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

GIZA — MARCH 1961

Hour (U.T.)	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	6	1-10	1	0	2	0	0	0	0	0	0	2	2	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	2	0	0	0	0	0	0	2	2	3	10
0300	17	0	0	1-10	0	2	0	0	0	3	0	2	1	2	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	0	2	0	0	0	3	0	2	1	2	1	3	14
0600	15	0	0	1-10	0	1	0	0	1	3	0	1	2	4	3	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	1	0	0	1	3	0	1	2	4	3	1	16
0900	0	0	0	1-10	3	3	2	0	2	3	1	0	3	3	3	5	28
				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	4	3	2	0	2	3	1	0	4	3	4	5	31
1200	0	0	0	1-10	2	1	1	0	1	1	0	0	1	3	3	9	22
				11-27	1	0	0	0	1	0	0	0	1	3	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	1	1	0	2	1	0	0	2	6	4	11	31
1500	3	0	0	1-10	5	2	0	0	1	1	0	0	0	1	3	5	18
				11-27	0	1	0	0	0	0	0	0	0	0	3	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	5	3	0	0	1	1	0	0	0	1	6	11	28
1800	6	0	0	1-10	7	1	1	0	0	2	0	0	0	0	1	13	25
				11-27	0	0	0	0	0	0	0	0	0	0		0	0
				28-47	0	0	0	0	0	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	1	0	0	2	0	0	0	0	1	13	25
2100	13	0	0	1-10	5	2	1	0	0	1	0	0	0	0	5	4	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	2	1	0	0	1	0	0	0	0	5	4	18

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MINYA (A) – MARCH 1961

Hour (U.T.)	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
0600	3	0	0	1—10	9	2	1	0	0	1	0	0	0	0	3	10	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	10	3	1	0	0	1	0	0	0	0	3	10	28
0300	4	0	0	1—10	12	2	0	0	0	0	1	0	0	0	1	9	25
				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	2	0	0	0	0	1	0	0	0	1	9	27
0600	0	0	0	1—10	12	1	0	0	0	2	2	1	0	2	3	5	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	14	1	0	0	0	2	2	1	0	2	3	6	31
0900	0	0	0	1—10	5	5	0	0	0	0	1	1	1	3	1	3	20
				11—27	6	3	0	0	0	0	0	0	0	0	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	11	8	0	0	0	6	1	1	1	3	2	4	31
1200	0	0	0	1—10	1	5	1	0	0	0	0	0	0	1	1	4	13
				11—27	8	2	0	0	0	0	1	0	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	9	7	1	0	0	0	1	0	0	1	4	8	31
1500	2	0	0	1—10	6	5	0	0	0	0	1	0	0	1	0	0	13
				11—27	10	2	0	0	0	0	0	0	0	0	3	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	16	7	0	0	0	0	1	0	0	1	3	1	29
1800	4	0	0	1—10	12	6	2	0	0	1	0	0	0	0	3	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	13	6	2	0	0	1	0	0	0	0	3	2	27
2100	5	0	0	1—10	16	2	0	0	0	0	0	0	1	0	1	1	21
				11—27	1	3	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	17	5	0	0	0	0	0	0	1	0	2	1	26

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASYOUT (A)—MARCH 1961

Hour (U.T.)	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	3	0	0	0	0	0	0	0	4	10	0	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	3	0	0	0	0	0	0	0	4	10	0	1	18
0300	16	0	0	1–10	0	0	0	0	0	0	0	1	1	11	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	0	0	0	0	0	0	0	1	1	11	1	1	15
0600	11	0	0	1–10	0	0	0	0	0	0	0	0	0	8	8	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	0	0	0	8	8	4	20
0900	5	0	0	1–10	2	2	1	0	0	1	0	0	1	1	3	9	20
				11–27	2	0	0	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	4	2	1	0	0	1	0	0	1	1	4	12	26
1200	3	0	0	1–10	2	1	0	0	0	0	1	0	0	1	3	3	11
				11–27	6	0	0	0	0	0	0	0	0	1	3	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	8	1	0	0	0	0	1	0	0	2	6	10	28
1500	2	0	0	1–10	1	0	0	0	0	0	0	1	0	1	1	15	19
				11–27	0	0	0	0	0	0	0	0	0	0	5	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	1	0	0	0	0	0	0	1	0	1	6	20	29
1800	7	0	0	1–10	2	0	0	0	0	0	1	0	0	5	8	7	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	0	0	0	0	0	1	0	0	5	8	8	24
2100	16	0	0	1–10	0	0	0	0	0	0	0	1	3	3	2	5	14
				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	0	0	1	1	3	3	2	5	15

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

LUXOR (A)—MARCH 1961

Hour (U.T.)	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	5	1	0	0	0	0	2	3	2	1	0	2	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	1	0	0	0	0	2	3	2	1	0	2	16
0300	20	0	0	1–10	2	0	0	1	0	0	1	4	1	1	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	2	0	0	1	0	0	1	4	1	1	0	1	11
0600	13	0	0	1–10	0	0	1	1	1	3	2	1	5	0	2	1	17
				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	1	1	1	3	2	1	5	0	2	2	18
0900	1	0	0	1–10	9	3	0	0	1	0	0	0	1	0	0	10	24
				11–27	1	1	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	10	4	0	0	1	0	0	0	1	0	0	14	30
1200	1	0	0	1–10	4	1	0	0	0	0	0	0	1	1	1	13	21
				11–27	0	0	0	0	0	0	0	0	0	0	1	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	4	1	0	0	0	0	0	0	1	1	2	21	30
1500	4	0	0	1–10	3	1	0	0	0	1	0	0	0	1	2	18	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	3	1	0	0	0	1	0	0	0	1	2	19	27
1800	10	0	0	1–10	1	0	0	0	0	0	0	2	0	1	3	1	20
				11–27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	0	2	0	1	3	19	21
2100	11	0	0	1–10	0	1	1	2	0	0	1	4	2	1	1	7	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	1	2	0	0	1	4	2	1	1	7	20

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASWAN (A)— MARCH 1961

Hour (U.T.)	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	9	2	0	0	0	0	0	0	0	0	1	6	18
				11—27	5	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
				≥ 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	0	1	6	24
0300	10	0	0	1—10	12	3	0	0	0	0	0	0	0	0	1	2	18
				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	14	3	0	0	0	0	0	0	0	0	1	3	21
0600	4	0	0	1—10	14	3	0	0	0	0	1	0	0	0	2	0	20
				11—27	6	1	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	20	4	0	0	0	0	1	0	0	0	2	0	27
0900	1	0	0	1—10	13	1	0	0	0	0	0	0	0	0	0	3	17
				11—27	8	3	0	0	0	0	0	0	0	0	0	0	11
				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	23	4	0	0	0	0	0	0	0	0	0	3	30
1200	3	0	0	1—10	8	2	0	0	0	0	0	0	0	1	0	1	12
				11—27	10	3	0	0	0	0	0	0	0	0	1	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	18	5	0	0	0	0	0	0	0	1	1	3	28
1500	3	0	0	1—10	7	0	0	0	0	0	0	1	0	0	0	2	10
				11—27	14	3	0	0	0	0	0	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	21	3	0	0	0	0	0	1	0	0	0	3	28
1800	2	0	0	1—10	12	0	0	0	0	0	0	0	0	0	1	4	17
				11—27	10	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
				≥ 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	2	5	29
2100	2	0	0	1—10	12	2	0	0	0	0	0	0	0	1	1	3	19
				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	21	2	0	0	0	0	0	0	0	1	1	4	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SIWA — MARCH 1961

Hour (U.T.)	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	2	5	7	0	2	0	0	0	1	4	2	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	2	5	7	0	2	0	0	0	1	5	2	29
0300	15	0	0	1-10	0	1	2	5	2	0	0	0	1	1	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	2	5	2	0	0	0	1	1	1	3	16
0600	6	0	0	1-10	2	1	1	4	2	1	0	0	0	2	5	3	21
				11-27	0	1	0	1	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	2	2	1	5	2	2	0	0	0	2	5	4	25
0900	0	0	0	1-10	2	0	2	0	2	2	4	2	0	0	2	4	20
				11-27	2	1	0	0	2	1	1	0	0	0	2	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	4	1	2	0	4	3	5	2	0	0	4	6	31
1200	0	0	0	1-10	3	1	0	0	0	1	3	1	3	0	3	2	17
				11-27	1	1	0	0	1	0	1	0	1	1	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	4	2	0	0	1	1	4	1	4	1	4	9	31
1500	0	0	0	1-10	3	2	1	0	0	0	1	1	0	1	1	5	15
				11-27	4	0	0	0	1	0	0	1	1	1	2	6	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	1	0	1	0	1	2	1	2	3	11	31
1800	2	0	0	1-10	3	1	2	1	0	1	1	1	1	1	6	4	22
				11-27	1	0	1	1	0	1	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	1	3	2	0	2	1	1	1	2	6	6	29
2100	2	0	0	1-10	5	2	2	3	0	0	0	0	0	4	5	2	23
				11-27	0	0	3	1	0	0	1	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	5	2	5	4	0	0	1	0	0	4	6	2	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

BAHARIYA — MARCH 1961

Hour (U.T.)	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	2	7	0	1	0	0	0	0	0	1	0	0	11
				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	2	7	0	1	0	0	0	0	0	2	1	0	13
0300	22	0	0	1–10	3	2	0	0	0	0	0	0	0	2	1	0	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	3	2	0	0	0	0	0	0	0	3	1	0	9
0600	25	0	0	1–10	2	0	1	0	0	0	0	0	0	1	1	0	5
				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	1	0	0	0	0	0	0	2	1	0	6
0900	3	0	0	1–10	7	7	1	3	0	0	1	2	0	0	1	2	24
				11–27	2	0	0	0	0	0	0	0	0	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	9	7	1	3	0	0	1	2	0	0	3	2	28
1200	1	0	0	1–10	9	2	2	0	0	0	1	0	0	1	2	2	19
				11–27	2	0	0	0	0	0	0	0	0	2	4	2	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	11	2	2	0	0	0	1	1	0	3	6	4	30
1500	2	0	0	1–10	8	1	1	1	0	0	1	0	0	0	1	5	18
				11–27	2	1	0	0	0	0	0	0	0	0	3	4	10
				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	10	2	1	1	0	0	1	0	0	1	4	9	29
1800	7	0	0	1–10	5	3	0	1	0	0	1	0	0	0	3	4	17
				11–27	1	0	0	0	0	0	0	0	0	2	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	6	3	0	1	0	0	1	0	0	2	5	6	24
2100	15	0	0	1–10	5	2	1	0	0	1	0	0	0	1	0	2	12
				11–27	0	2	0	0	0	0	0	0	0	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	5	4	1	0	0	1	0	0	0	1	2	0	16

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DAKHLA — MARCH 1961

Hour (U.T.)	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	3	2	1	0	0	0	0	4	4	8	2	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	3	2	1	0	0	0	0	4	4	8	2	25
0300	5	0	0	1—10	0	2	0	1	1	0	0	2	2	8	7	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	0	2	0	1	1	0	0	2	2	8	7	3	26
0600	4	0	0	1—10	1	2	4	1	0	0	1	1	3	9	2	2	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	1	2	4	1	0	0	1	1	3	9	2	2	27
0900	0	0	0	1—10	5	1	1	5	0	0	0	0	0	2	3	4	21
				11—27	3	2	0	0	0	0	0	0	0	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	8	3	1	5	0	0	0	0	0	2	4	8	31
1200	0	0	0	1—10	6	2	0	1	0	0	2	0	0	2	1	8	22
				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	8	2	0	1	0	0	2	0	0	2	2	14	31
1500	0	0	0	1—10	6	1	1	0	0	1	1	1	0	1	3	3	18
				11—27	6	1	0	0	0	0	0	0	0	0	2	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	12	2	1	0	0	1	1	1	0	1	5	7	31
1800	2	0	0	1—10	9	4	1	0	0	0	1	0	0	1	5	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	9	4	1	0	0	0	1	0	0	1	5	8	29
2100	1	0	0	1—10	5	2	0	0	0	0	2	0	1	6	8	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	2	0	0	0	0	2	0	1	6	8	6	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

KHARGA — MARCH 1961

Hour (U.T.)	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	8	0	0	0	0	0	0	0	0	0	0	1	9
				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	12	0	0	0	0	0	0	0	0	0	0	1	13
0300	22	0	0	1-10	6	0	0	0	0	0	0	0	0	0	0	0	6
				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	0	0	0	0	0	0	9
0600	16	0	0	1-10	11	0	0	0	0	0	0	0	0	0	0	0	11
				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	15	0	0	0	0	0	0	0	0	0	0	0	15
0900	7	0	0	1-10	12	1	0	0	1	0	0	0	0	0	0	1	15
				11-27	8	0	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	20	1	1	0	1	0	0	0	0	0	0	1	24
1200	7	0	0	1-10	9	1	0	0	0	0	1	0	0	0	1	1	13
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	20	1	0	0	0	0	1	0	0	0	1	1	24
1500	7	0	0	1-10	13	2	0	0	0	0	0	0	0	0	1	0	16
				11-27	6	0	0	0	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	19	2	0	0	0	0	0	0	0	1	1	1	24
1800	19	0	0	1-10	12	0	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	12	0	0	0	0	0	0	0	0	0	0	0	12
2100	24	0	0	1-10	7	0	0	0	0	0	0	0	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	7	0	0	0	0	0	0	0	0	0	0	0	7

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

TOR — MARCH 1961

Hour (U.T.)	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	5	3	0	0	0	0	0	0	1	0	1	2	12
				11–27	3	0	0	0	0	0	0	0	0	1	5	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	8	3	0	0	0	0	0	0	1	1	6	3	22
0300	10	0	0	1–10	7	1	0	0	0	0	0	0	1	0	2	1	12
				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	7	1	0	0	0	0	0	0	1	1	6	5	21
0600	6	0	0	1–10	8	3	0	0	0	0	0	0	0	0	3	4	18
				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	8	3	0	0	0	0	0	0	0	0	6	8	25
0900	1	0	0	1–10	0	0	0	0	0	0	0	0	2	5	6	0	13
				11–27	0	0	0	0	0	0	0	0	0	1	15	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	2	6	21	1	30
1200	0	0	0	1–10	0	0	0	0	0	0	0	1	1	5	3	1	11
				11–27	0	0	0	0	0	0	0	0	0	3	17	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	1	1	8	20	1	31
1500	2	0	0	1–10	1	0	0	0	0	1	0	0	0	1	7	0	10
				11–27	2	0	0	0	0	0	0	0	0	0	13	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	0	0	0	0	1	0	0	0	1	20	4	29
1800	8	0	0	1–10	1	1	0	0	0	1	0	0	0	0	6	4	13
				11–27	3	0	0	0	0	0	0	0	0	0	3	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	4	1	0	0	0	1	0	0	0	0	9	8	23
2100	10	0	0	1–10	3	1	0	1	0	1	0	0	0	0	1	4	11
				11–27	2	0	0	0	0	0	0	0	0	0	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	5	1	0	1	0	1	0	0	0	0	7	6	21

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

HURGHADA — MARCH 1961

Hour (U.T.)	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	6	1	7
				11-27	0	0	0	0	0	0	0	0	0	1	15	3	19
				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	0	0	0	0	0	0	0	0	0	1	21	8	30
0300	0	0	0	1-10	0	0	0	0	0	0	1	0	0	0	4	2	7
				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	3	3
				≥ 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	0	17	13	31
0600	1	0	0	1-10	0	0	0	0	0	0	0	0	0	0	3	2	5
				11-27	0	0	0	0	0	0	0	0	0	0	10	11	21
				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	0	0	0	0	0	0	0	0	0	0	13	17	30
0900	0	0	0	1-10	0	2	0	0	0	0	0	0	0	0	0	0	2
				11-27	18	0	0	0	0	0	0	0	0	0	0	7	25
				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	20	2	0	0	0	0	0	0	0	0	0	9	31
1200	0	0	0	1-10	0	4	0	0	0	0	0	0	0	0	0	0	4
				11-27	17	5	1	0	0	0	0	0	0	0	0	0	23
				28-47	4	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	21	9	1	0	0	0	0	0	0	0	0	0	31
1500	0	0	0	1-10	3	3	2	2	1	1	0	0	0	0	0	0	12
				11-27	13	0	0	0	0	0	0	0	0	0	0	2	15
				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	17	3	2	2	1	1	0	0	0	0	0	5	31
1800	0	0	0	1-10	0	0	0	0	0	3	0	0	0	1	3	2	9
				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	2	2
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	3	0	0	0	2	5	21	31
2100	2	0	0	1-10	0	0	0	0	0	0	0	0	1	0	1	2	4
				11-27	0	0	0	0	0	0	0	0	0	2	14	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	0	0	0	0	0	0	0	0	1	2	15	11	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

QUSEIR — MARCH 1961

Hour (U.T)	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	1	0	10	7	1	19
				11-27	0	0	0	0	0	0	0	0	0	0	4	6	10
				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	10	11	8	30
0300	0	0	0	1-10	0	0	0	0	0	0	1	0	0	11	4	3	19
				11-27	0	0	0	0	0	0	0	0	0	0	0	12	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	1	0	0	11	4	15	31
0600	0	0	0	1-10	0	0	0	0	0	1	0	0	0	8	2	3	14
				11-27	3	0	0	0	0	0	0	0	0	0	1	12	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	0	0	0	8	3	16	31
0900	0	0	0	1-10	1	2	0	1	0	0	0	0	0	0	0	0	4
				11-27	16	1	0	0	0	0	0	0	0	0	1	9	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	17	3	0	1	0	0	0	0	0	0	1	9	31
1200	0	0	0	1-10	1	3	1	0	0	0	0	0	0	0	0	0	5
				11-27	16	6	0	0	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	17	9	1	0	0	0	0	0	0	0	0	4	31
1500	1	0	0	1-10	12	3	2	0	1	0	0	0	0	0	0	1	19
				11-27	7	0	0	0	0	0	0	0	0	0	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	19	3	2	0	1	0	0	0	0	0	0	5	30
1800	6	0	0	1-10	0	0	0	0	0	1	0	1	0	6	3	5	16
				11-27	1	0	0	0	0	0	0	0	0	0	2	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	1	0	0	0	0	1	0	1	0	6	5	11	25
2100	6	0	0	1-10	0	0	0	0	0	0	0	0	0	8	7	1	16
				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	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	8	9	8	25

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ALEPPO (A)—0000 U.T.—MARCH 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	970mb.*	983mb*	959 mb.*	31	5.0	12.2	— 1.8	31	— 1.4
1000	—	—	—	—	—	—	—	—	—	—
850	31	1472	1555	1380	31	3.2	10.5	— 5.2	31	— 8.3
700	31	3015	3105	2906	31	— 6.8	1.2	—16.6	31	—18.2
600	31	4202	4322	4083	31	—14.1	— 7.9	—21.0	31	—26.6
500	31	5561	5715	5428	31	—23.5	—16.5	—28.4	31	—36.1
400	31	7155	7351	7007	31	—35.1	—29.5	—38.6	31	—46.9
300	31	9102	9338	8962	31	—48.5	—42.7	—53.1	31	—59.5
200	31	11709	11926	11583	31	—55.5	—44.9	—65.3	—	—
150	31	13547	13704	13379	31	—55.8	—50.5	—60.8	—	—
100	31	16098	16264	15914	31	—60.9	—57.1	—67.0	—	—
60	30	19272	19415	19100	30	—62.8	—59.5	—66·1	—	—
40	27	21827	21985	21600	27	—62.0	—56.8	—65.5	—	—
30	21	23552	23778	23338	21	—61.5	—55.0	—65.9	—	—
20	4	26082	26170	25868	4	—61.6	—58.3	—64.1	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ALEPPO (A)—1200 U.T.— MARCH 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N.	Mean	Highest	Lowest	N.	Mean	Highest	Lowest	N.	Mean
Surface of station ...	29	970mb.*	983mb.*	961mb.*	29	14.9	22.3	7.8	29	— 1.2
1000	—	—	—	—	—	—	—	—	—	—
850	29	1480	1572	1400	29	3.8	10.6	— 3.5	29	— 8.9
700	29	3028	3116	2955	29	— 6.0	2.6	—14.4	29	—18.5
600	29	4219	4343	4141	29	—13·2	— 5.8	—21.5	29	—26.7
500	39	5583	5749	5461	29	—22.3	—15.4	—31.5	29	—34.9
400	29	7183	7388	7028	29	—34.0	—29.0	—38.1	29	— 6.3
300	29	9138	9380	8969	29	—48.4	—43.8	—52.9	29	—59.9
200	29	11742	11980	11619	29	—55.6	—47.4	—65.3	—	—
150	29	13576	13734	13451	29	—56.0	—49.3	—62.0	—	—
100	29	16129	16253	16002	29	—60.5	—55.0	—66.8	—	—
60	29	19314	19470	19150	29	—62.1	—57.8	—67.9	—	—
40	28	21866	22060	21665	28	—61.1	—55.4	—64.8	—	—
30	22	23587	23815	23424	22	—60.2	—52.1	—65·3	—	—
20	13	26034	26427	25904	13	—62.1	—56.1	—65.0	—	—
10	1	30313	—	—	1	—66.0	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.— UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — MARCH 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	30	1015mb*	1021mb*	1000mb*	30	12·3	15·4	7·5	30	7.5
1000	29	169	210	42	29	12·5	19·0	8·5	29	6.5
850	30	1513	1585	1402	30	3·7	13·8	— 2.8	29	3.9
700	30	3069	3148	2979	30	— 3·6	4·5	— 9·1	9	—14.7
600	30	4270	4380	4193	30	—11·3	— 5·8	—16·8	10	—22.7
500	30	5645	5781	5539	30	—21·3	—16·0	—27.0	6	—28.9
400	30	7252	7426	7113	30	—33.6	—27·6	—39.0	4	—40.2
300	30	9211	9424	9096	30	—47·3	—39·2	—52·7	—	—
200	30	11826	12003	11656	30	—56·4	—48·5	—65·5	—	—
150	30	13643	13798	13490	30	—59·1	—55.0	—63·8	—	—
100	29	16153	16301	15971	29	—65.2	—61·6	—70·0	—	—
60	29	19248	19624	19018	29	—66·0	—61·9	—70·0	—	—
40	17	21792	21865	21458	17	—61·8	—57·4	—66·3	—	—
30	2	23545	23624	23465	2	—62·6	—62.4	—62.8	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 1200 U.T. — MARCH 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	1014mb*	1021mb*	999 mb*	31	18·0	28·7	12·5	31	7.0
1000	30	169	218	85	30	16·3	27·5	11·1	30	6.5
850	31	1521	1566	1431	31	4·6	15·2	— 0·4	30	— 6·1
700	31	3080	3143	3010	31	— 2·7	4·0	—10·4	12	—16·6
600	31	4286	4371	4216	31	—10·0	— 4·9	—15·9	6	—22·7
500	31	5667	5778	5578	31	—19·9	—15·4	—25·2	8	—29.2
400	31	7284	7429	7167	31	—32·1	—26.6	—37·3	6	—40.5
300	31	9255	9433	9096	31	—46·3	—38·4	—51·4	—	—
200	31	11881	12037	11715	31	—55·9	—48·0	—63·3	—	—
150	31	13708	13815	13584	31	—56·5	—53·9	—62·1	—	—
100	31	16226	16332	16093	31	—63·9	—60·0	—69·6	—	—
60	31	19349	19469	19270	31	—63.2	—56·0	—67·4	—	—
40	26	21870	21986	21784	26	—60·2	—55.1	—64.2	—	—
30	10	23666	23689	23585	10	—58·5	—50.5	—62.0	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 0000 U.T. — MARCH 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	30	1001mb*	1007mb.*	988mb.*	30	13.3	22.3	7.4	30	5·0
1000	30	145	199	44	21	12.2	17·0	8.9	21	4.4
350	30	1500	1546	1424	30	6.4	15.6	0.0	29	— 6.3
700	30	3070	3157	2983	30	— 3.0	6.7	— 6.7	10	—12.7
600	30	4287	4398	4192	30	— 8.1	— 3.0	—14.2	6	—18.6
500	30	5677	5810	5557	30	—17.7	—12.1	—24.7	5	—25.7
400	30	7314	7466	7150	30	—29.4	—26.1	—36.8	4	—35.8
300	30	9311	9470	9100	30	—42.7	—33.5	—47.4	—	—
200	25	11975	12112	11740	25	—54.5	—47.4	—61.7	—	—
150	21	13792	13946	13591	21	—58.6	—55.0	—62.5	—	—
100	17	16305	16469	16142	17	—65 0	—58.6	—72.8	—	—
60	7	19505	19734	19393	7	—65.1	—61.7	—68.3	—	—
40	2	21972	22047	21898	2	—59.1	—54.0	—64.2	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 1200 U.T. — MARCH 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	29	1000mb*	1007mb*	989mb.*	29	21·2	30.0	15.2	29	4·2
1000	29	141	200	52	18	20·2	25.7	14.8	18	4·2
850	29	1507	1555	1427	29	7.4	17.8	0.8	29	— 2.3
700	29	3083	3158	2997	29	0.0	6.6	— 6·8	10	—16·5
600	29	4300	4400	4174	29	— 7.3	— 1.2	—13.8	6	—17.7
500	29	5695	5824	5545	29	—17.0	—10.7	—23·4	5	—27.3
400	29	7332	7504	7154	29	—29.2	—24.0	—35·6	3	—35.4
300	29	9334	9470	9155	29	—41.6	—33.4	—46.0	—	—
200	24	11979	12185	11812	24	—55.2	—49.4	—63.4	—	—
150	21	13804	13963	13656	21	—57.5	—53.0	—61·8	—	—
100	18	16348	16459	16250	18	—63.1	—58.4	—67·6	—	—
60	6	19480	19590	19404	6	—61.8	—54.2	—67·5	—	—
40	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 0000 U.T. — MARCH 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	26	1002mb*	1008mb*	993mb*	26	15.4	19.3	10.6	26	— 0.8
1000	24	133	172	106	24	15.3	19.3	10.2	23	— 0.5
850	26	1498	1537	1439	26	11·0	18.0	0.5	19	— 5.2
700	26	3097	3179	3037	26	3.7	10.5	— 3.0	7	— 4.9
600	26	4333	4441	4246	26	— 3.8	0.7	— 8.8	8	—11.5
500	26	5751	5841	5642	26	—12.8	— 7.3	—17.3	7	—23.3
400	26	7422	7559	7292	26	—24.0	—18.1	—28.4	9	—33.9
300	26	9464	9601	9294	26	—37.8	—31.0	—43.2	—	—
200	26	12147	12332	11962	26	—56.8	—52.6	—64·0	—	—
150	20	13927	14071	13767	20	—66.3	—60.1	—71·3	—	—
100	7	16396	16480	16266	7	—71.6	—65.2	—76.9	—	—
60	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — MARCH 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	26	1002mb*	1008mb*	995mb*	26	26.4	35.0	21.5	26	2·5
1000	22	130	175	106	22	25.0	30.4	20.8	22	2.0
850	26	1517	1552	1483	26	14.0	22.1	7.5	18	—10.8
700	26	3130	3190	3089	26	6.3	12.3	— 0.3	9	—11.0
600	26	4376	4456	4310	36	— 1.6	2.2	— 6·7	10	—17.0
500	26	5804	5906	5722	26	—10.9	— 7.0	—14.2	8	—24·2
400	26	7487	7610	7387	26	—22.1	—17.5	—25.6	8	—33.4
300	25	9546	9679	9449	25	—36.9	—31.5	—42.7	2	—45.4
200	24	12234	12378	12136	24	—55.9	—50.1	—60.8	—	—
150	17	14018	14097	13957	17	—63.5	—57.7	—66.6	—	—
100	6	16458	16515	16381	6	—69.2	—63.0	—73.6	—	—
60	3	19460	19516	19384	3	—68.7	—66.2	—71.0	—	—
40	—	—	—	—	—	—	—	—	—	-
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

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 1961

N = The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.) (N)	Pressure (mb.) (N)	Dew point (°C) (N)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.) (N)	Pressure (mb.) (N)	Temperature (°C) (N)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
	1945 (30)	800 (30)	—10.9 (30)	3235	—	—	960	—	—	10376 (31)	249 (31)	—56.2 (31)	12300	—	—	7750	—	—	—	—	—	—
Mersa Matruh (A)	2263 (30)	778 (30)	— 8.8 (22)	3630	655	—16.8	1220	882	— 3.3	10959 (26)	234 (26)	—57.9 (26)	14630	130	—64.4	7930	357	—41.9	9600	301	270	127
Helwan	2801 (30)	727 (30)	—10.6 (19)	4000	629	—	1519	850	—22.0	11923 (21)	199 (21)	—56.5 (21)	15060	122	—64.7	9600	284	—47.7	12500	183	280	129
Aswan ... (A)	3575 (26)	662 (26)	— 10·1 (6)	4500	596	—	1280	872	—	13125 (12)	171 (12)	—64.0 (12)	14280	142	—71·4	12200	192	—63·8	8300	352	230	130

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 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.) (N)	Pressure (mb.) (N)	Dew point (°C) (N)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.) (N)	Pressure (mb.) (N)	Temperature (°C) (N)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
Aleppo ... (A)	2034 (29)	796 (29)	—12.0 (29)	3490	—	—	1080	—	—	10522 (29)	244 (29)	—57.0 (29)	12500	—	—	9255	—	—	11712	200	260	110
Marsa Matruh (A)	2461 (21)	758 (31)	— 9.9 (21)	3700	654	—19.0	1460	859	—2.5	11040 (31)	234 (31)	—56.5 (31)	13820	146	—62 5	9600	278	—53.6	11300	221	270	130
Helwan	2932 (29)	712 (29)	— 9.1 (16)	4190	614	—	1600	842	— 3.0	12431 (18)	193 (18)	—57.8 (18)	16380	100	—62.8	10000	264	—51.7	7300	399	260	126
Aswan ... (A)	4055 (26)	626 (26)	—15.0 (10)	4900	568	—	2510	752	—	13631 (10)	161 (10)	—64·1 (10)	15480	117	—71.6	12640	189	—62.2	12200	198	290	130

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 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000—360)°																								Number of calm winds	Total number of observations (TN)	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 of station...	1	7	1	3	1	12	2	9	0	—	0	—	0	—	0	—	0	—	4	9	5	7	3	6	14	31	4
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	3	17	1	6	1	16	1	16	2	16	2	10	1	8	2	17	4	20	3	9	5	20	2	11	1	28	15
700	0	—	0	—	3	12	0	—	0	—	0	—	1	10	5	15	4	31	7	19	1	14	3	18	0	24	19
600	0	—	1	26	0	—	0	—	2	8	0	—	0	—	0	—	5	34	2	28	5	22	1	10	0	16	24
500	0	—	0	—	1	34	0	—	0	—	0	—	0	—	0	—	0	—	1	23	0	—	0	—	0	2	28
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	22	0	—	0	—	0	—	0	—	0	1	22
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 1961

N = the number of cases the wind has been observed from the range of direction during the month.

TN = the total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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 of station	0	—	3	10	1	16	5	7	1	5	1	5	1	14	0	—	0	—	7	13	6	16	3	10	1	29	11
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	1	10	0	—	1	9	4	10	3	8	3	9	1	28	1	9	3	18	2	15	3	10	3	18	0	25	13
700	2	19	1	30	0	—	1	14	0	—	1	3	0	—	3	14	3	20	7	20	0	—	1	21	0	19	18
600	2	26	0	—	1	8	1	20	0	—	0	—	0	—	1	11	4	24	4	31	3	17	2	30	0	18	23
500	2	20	1	24	1	32	0	—	1	15	0	—	0	—	0	—	3	29	7	39	1	46	1	19	0	17	31
400	0	—	1	32	1	40	0	—	0	—	1	10	0	—	0	—	3	45	7	47	2	30	1	25	0	16	39
300	1	25	1	32	1	35	0	—	1	12	0	—	0	—	1	22	2	77	5	63	2	48	0	—	0	14	49
200	1	40	0	—	0	—	0	—	0	—	0	—	0	—	1	18	4	53	5	66	1	25	0	—	0	12	52
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	46	4	63	1	40	0	—	0	8	54
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	36	4	51	1	35	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.— MARCH 1961

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	6	8	1	9	1	5	0	—	3	14	0	—	3	14	3	8	2	15	4	11	2	10	5	10	0	30	10
1000	3	10	2	11	0	—	1	6	2	16	1	11	2	12	3	8	3	12	2	6	5	11	6	8	0	30	10
850	3	13	1	11	1	4	0	—	0	—	0	—	1	4	1	8	4	17	2	24	10	14	7	13	0	30	14
700	3	13	0	—	0	—	0	—	1	9	0	—	0	—	2	17	7	15	7	20	7	19	3	13	0	30	17
600	2	15	1	13	0	—	0	—	0	—	0	—	0	—	2	8	7	28	11	26	3	26	4	16	0	30	23
500	3	18	1	24	0	—	0	—	0	—	0	—	0	—	1	20	7	38	11	40	4	24	2	31	1	30	34
400	1	27	1	31	0	—	0	—	0	—	0	—	0	—	2	28	7	54	10	42	7	32	2	22	0	30	39
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	9	67	10	56	5	35	2	25	0	26	53
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	90	9	54	4	39	1	56	0	16	55
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	51	9	60	3	60	0	—	0	13	59
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	77	5	50	1	87	0	—	0	7	59
60	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	45	0	—	0	—	0	2	45
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 1961

N=The number of cases the wind has been observed from the range of direction during the month.

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Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	4	9	1	14	1	12	1	4	0	—	0	—	2	14	4	14	1	13	2	20	7	17	8	14	0	31	14
1000	3	10	2	8	1	10	1	4	1	12	0	—	0	—	2	15	2	10	3	21	5	19	10	14	0	30	14
850	2	10	1	5	2	4	0	—	1	7	0	—	1	10	3	15	4	13	5	16	8	16	4	15	0	31	13
700	3	10	0	—	1	6	1	11	0	—	1	12	0	—	3	24	4	14	6	26	9	18	2	14	1	31	17
600	1	23	0	—	0	—	0	—	1	19	1	2	1	8	3	36	4	26	9	30	10	22	1	15	0	31	25
500	0	—	0	—	0	—	0	—	1	3	0	—	0	—	2	59	7	41	13	32	5	29	2	20	1	31	33
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	50	8	56	12	49	7	27	1	18	1	30	43
300	0	—	0	—	0	—	0	—	0	—	0	—	1	60	0	—	9	56	14	56	3	27	1	21	0	28	52
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	60	9	65	4	38	0	—	0	20	58
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	68	7	68	2	46	0	—	0	12	64
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	100	4	76	1	77	0	—	0	7	83
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

HELWAN — 0000 U.T. — MARCH 1961

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	...	—	—	—	—	—	—	—	—	—	—
850	7	12	0	—	1	10	1	4	0	—	1	5	0	—	1	14	3	12	5	21	8	15	3	16	0	30	14
700	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	38	4	20	13	25	7	19	4	15	0	29	22
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	38	5	41	12	31	9	29	2	21	0	30	32
500	1	33	0	—	0	—	0	—	0	—	0	—	0	—	1	81	8	49	16	39	3	27	1	24	0	30	41
400	1	34	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	68	16	65	2	24	1	46	0	26	61
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	88	8	82	5	59	0	—	0	19	77
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	82	1	40	0	—	0	6	76
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	73	0	—	0	—	0	2	73
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	—	—	—	—	0	—	0	—	—
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

HELWAN — 1200 U.T. — MARCH 1961

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	5	14	0	—	4	11	1	10	0	—	1	9	0	—	1	8	1	34	6	19	5	14	5	9	0	29	14
700	0	—	0	—	0	—	1	8	0	—	0	—	0	—	2	23	7	21	11	21	5	20	3	17	0	29	20
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	28	7	32	14	31	5	34	2	14	0	29	30
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	43	14	46	6	31	1	36	0	29	42
400	0	—	0	—	1	73	0	—	0	—	0	—	0	—	0	—	8	59	15	71	4	48	0	—	0	28	64
300	0	—	1	75	0	—	0	—	0	—	0	—	0	—	0	—	3	69	11	74	2	48	0	—	0	17	70
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	76	1	98	0	—	0	2	87
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 (A) — 0000 U.T. — MARCH 1961

N= The number of cases the wind has been observed from the range of direction during the month.
TN= The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	9	8	3	8	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	10	13	26	4
1000...	9	8	3	8	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	10	11	24	4
850...	4	7	2	8	1	7	0		0	—	0	—	1	10	2	7	1	4	3	7	5	15	7	14	0	26	10
700...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	24	13	29	4	19	1	5	0	26	25
600...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	30	6	39	17	43	2	34	0	—	0	26	41
500...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	11	57	14	59	1	42	0	—	0	26	58
400...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	12	65	9	77	1	50	0	—	0	22	69
300...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	73	6	74	0	—	0	—	0	10	74
200...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	95	1	110	0	—	0	2	102
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 (A) — 1200 U.T. — MARCH 1961

N= The number of cases the wind has been observed from the range of direction during the month.
TN= The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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 of station...	20	7	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	—	6	26	5
1000	17	7	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	22	5
850	3	9	1	7	1	10	0	—	0	—	1	10	0	—	0	—	1	7	5	10	8	14	6	13	0	26	12
700	3	26	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	30	10	24	5	23	1	10	0	26	25
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	30	7	43	16	40	0	—	1	20	0	26	39
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	51	9	60	14	54	1	73	0	—	0	25	57
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	70	8	71	13	70	0	—	0	—	0	22	70
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	83	6	78	1	80	0	—	0	12	80
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	120	1	101	0	—	0	2	110
150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

MARCH 1961

This month was rather cold and dry as compared with the normal values of air temperature ,relative humidity and monthly rainfall at GIZA during March. The mean air temperature at 2 metres above ground was 1.3°C below normal, the mean relative humidity was 2% below normal and the total monthly rainfall was about 2.5 mms. below normal. Two heat waves were experienced during the last third of the month; the second of which was the more intense and gave the absolute maximum air temperature for the month (31.3 C°) on the 27th.

The minimum air temperature at 5 cms. above grass (Libia) fell below 0C° on 3 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.

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
1	—0.5	0.5	0.0	0.0
2	—2.6	6.0	3.5	1.0
4	—0.5	0.5	0.0	0.0

The extreme soil temperatures at depths between surface and 100 cms. in the dry and grass fields, and between surface and 200 cms. in the wet field, were generally lower than the corresponding values for last March. The maximum deviation for extreme maxima was - 5.2°C at 5 cms. depth, and for the extreme minima was —4.3°C at 10 cms. depth in the dry field. At 200 and 300 cms. depths in the dry field, the extreme values were higher than last March. The maximum deviation for the extreme maxima was 0.9°C, and for the extreme minima was + 0.5°C at 300 cms. depth.

The mean daily wind speed at 2 metres above ground was slightly lower than the corresponding value for the previous March. The mean daily values of piche evaporation at 120 cms. above ground, pan Class A evaporation, potential evaporation and potential evapotranspiration were lower than the corresponding values of last March (-1.6,-0.66, - 1.3 & -1.4 mms. respectively). The total actual duration of bright sunshine was 16.6 hours less than the corresponding value of March 1960.

REVIEW OF AGRO-METEOROLOGICAL STATION AT TAHRIR

MARCH 1961

This month was in general slightly colder and drier than March 1960. The daily mean values of air temperature and relative humidity and the total monthly rainfall were less than the corresponding values of last March by 1.0°C, 2% and 0.4mms. respectively. The absolute maximum and minimum air temperatures were less than the corresponding values of last March by 8.8°C and 1.8°C respectively.

The total actual duration of bright sunshine and the total (Solar + Sky) radiation were less than the corresponding values of March 1960 by 3.3 hours and about 700 gm. cal/cm^2 respectively.

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

GIZA — MARCH 1961.

Date	Air temperature (°C)					Duration in hour to the nearest half hour 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	16.4	5.5	11.0	9.1	12.9	24.0	24.0	24.0	14.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
2	18.5	2.5	11.3	7.9	14.0	24.0	24.0	19.5	15.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
3	21.5	5.6	14.4	11.9	16.5	24.0	24.0	24.0	21.5	10.5	2.5	0.0	0.0	0.0	0.0	0.0
4	21.3	6.3	14.0	11.3	16.3	24.0	24.0	24.0	18.5	10.5	2.0	0.0	0.0	0.0	0.0	0.0
5	21.2	7.0	14.1	12.1	16.4	24.0	24.0	24.0	18.0	11.0	1.5	0.0	0.0	0.0	0.0	0.0
6	21.0	6.5	14.1	11.9	16.4	24.0	24.0	24.0	18.0	11.0	1.0	0.0	0.0	0.0	0.0	0.0
7	20.8	7.0	13.9	12.0	16.1	24.0	24.0	24.0	18.5	10.0	0.0	0.0	0.0	0.0	0.0	0.0
8	19.9	6.0	12.8	11.0	15.4	24.0	24.0	24.0	17.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
9	18.2	7.1	13.2	10.7	15.2	24.0	24.0	24.0	17.5	9.5	0.0	0.0	0.0	0.0	0.0	0.0
10	20.0	6.7	13.3	10.9	16.1	24.0	24.0	24.0	17.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
11	20.9	8.6	14.0	11.8	16.2	24.0	24.0	24.0	23.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
12	20.3	7.5	14.0	11.7	16.3	24.0	24.0	24.0	20.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0
13	22.0	6.2	14.2	10.9	17.0	24.0	24.0	24.0	17.0	10.5	3.5	0.0	0.0	0.0	0.0	0.0
14	23.7	6.9	15.0	12.4	18.2	24.0	24.0	24.0	20.0	10.5	6.0	0.0	0.0	0.0	0.0	0.0
15	23.3	6.8	15.0	11.8	17.8	24.0	24.0	24.0	19.5	11.5	5.0	0.0	0.0	0.0	0.0	0.0
16	22.1	6.3	14.7	12.4	16.8	24.0	24.0	24.0	20.5	11.0	2.5	0.0	0.0	0.0	0.0	0.0
17	21.6	6.0	14.5	11.8	16.7	24.0	24.0	24.0	18.0	10.5	3.0	0.0	0.0	0.0	0.0	0.0
18	20.5	7.8	14.6	13.2	16.3	24.0	24.0	24.0	19.5	13.0	0.0	0.0	0.0	0.0	0.0	0.0
19	21.4	6.2	14.7	12.5	17.0	24.0	24.0	24.0	19.5	12.5	1.0	0.0	0.0	0.0	0.0	0.0
20	21.5	8.1	15.0	13.2	17.1	24.0	24.0	24.0	21.5	11.5	1.0	0.0	0.0	0.0	0.0	0.0
21	26.1	5.7	15.7	11.6	19.3	24.0	24.0	24.0	18.0	12.5	8.5	0.0	0.0	0.0	0.0	0.0
22	29.3	11.4	18.6	14.0	22.8	24.0	24.0	24.0	24.0	14.0	9.5	6.0	0.0	0.0	0.0	0.0
23	30.5	8.9	19.7	13.9	25.0	24.0	24.0	24.0	23.0	17.0	11.5	7.5	0.0	0.0	0.0	0.0
24	25.5	10.6	17.3	16.8	18.8	24.0	24.0	24.0	24.0	17.0	6.5	0.0	0.0	0.0	0.0	0.0
25	20.8	7.3	14.2	12.3	16.5	24.0	24.0	24.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
26	23.5	6.3	15.3	11.0	17.7	24.0	24.0	24.0	17.5	13.0	6.0	0.0	0.0	0.0	0.0	0.0
27	31.3	8.1	20.4	15.4	22.2	24.0	24.0	24.0	23.0	15.5	13.5	8.0	1.0	0.0	0.0	0.0
28	25.1	13.5	19.8	22.3	21.5	24.0	24.0	24.0	24.0	21.5	9.0	0.0	0.0	0.0	0.0	0.0
29	23.3	10.7	16.3	13.7	18.3	24.0	24.0	24.0	24.0	14.5	5.0	0.0	0.0	0.0	0.0	0.0
30	21.2	10.2	15.0	14.3	17.2	24.0	24.0	24.0	24.0	10.0	0.5	0.0	0.0	0.0	0.0	0.0
31	20.2	6.9	13.1	10.5	15.6	24.0	24.0	24.0	18.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0
Total ...	—	—	—	—	—	744.0	744.0	739.5	613.5	355.5	99.0	21.5	1.0	0.0	0.0	0.0
Mean ...	22.4	7.4	14.9	12.5	17.4	24.0	24.0	23.9	19.8	11.5	3.2	0.7	0.03	0.0	0.0	0.0

Highest maximum at 2 metres 31.3 °C on 27 th.
Lowest „ „ 2 „ 16.4 °C on 1 st.
Absolute minimum temperature at 5 cms. above dry soil — 2.2 °C on 2 nd.
„ „ „ „ wet „ 0.0 °C „ 2 nd.
„ „ „ „ grass — 2.6 °C „ 2 nd.

Highest minimum at 2 metres 13.5 °C on 28 th
Lowest „ „ 2 „ 2.5 °C on 2 nd.

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

TAHRIR—MARCH 1961

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	17.0	7.5	11.2	9.7	13.3	24.0	24.0	24.0	13.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0
2	21.4	6.3	12.0	8.8	14.6	24.0	24.0	24.0	14.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
3	20.1	5.4	12.2	9.4	15.1	24.0	24.0	24.0	14.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
4	21.0	7.5	13.4	10.0	16.6	24.0	24.0	24.0	16.5	9.5	1.0	0.0	0.0	0.0	0.0	0.0
5	20.6	8.2	13.7	11.1	16.6	24.0	24.0	24.0	17.5	9.5	0.0	0.0	0.0	0.0	0.0	0.0
6	20.7	8.8	13.8	10.8	16.7	34.0	24.0	24.0	17.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
7	19.5	8.8	13.6	11.2	16.1	24.0	24.0	24.0	19.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
8	19.4	8.8	13 5	11.3	16.0	24.0	24.0	24.0	20.5	9.5	0.0	0.0	0.0	0.0	0.0	0.0
9	19.6	7.2	12.9	10.5	15.8	24.0	24.0	24.0	15.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
10	20.2	6.9	13.3	9.9	15.9	24.0	24.0	24.0	16.5	9.5	0.0	0.0	0.0	0.0	0.0	0.0
11	20.7	11.7	15.4	13.4	17.7	24.0	24.0	24.0	24 0	10.5	0.5	0.0	0.0	0.0	0.0	0.0
12	20.9	8.4	14.3	11.7	16.9	24.0	24.0	24.0	20.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0
13	22.9	9.4	15.3	12.3	18.1	24.0	24.0	24.0	23.0	12.0	4.5	0.0	0.0	0.0	0.0	0.0
14	22.4	9.5	15.1	12.6	17.6	24.0	24.0	24.0	22.5	10.5	5.0	0.0	0.0	0.0	0.0	0.0
15	22.8	9.8	15.2	13.1	18.0	24.0	24.0	24.0	24.0	10.5	4.5	0.0	0.0	0.0	0.0	0.0
16	21.6	9.3	14.6	12.2	17.1	24.0	24.0	24.0	21.5	10.5	2.0	0.0	0.0	0.0	0.0	0.0
17	21.7	8.9	14.9	11.9	17.6	24.0	24.0	24.0	20.0	11.5	3.5	0.0	0.0	0.0	0.0	0.0
18	20.8	8.3	14.0	11.8	16.7	24.0	24.0	24.0	18.0	10.0	0.5	0.0	0.0	0.0	0.0	0.0
19	22.2	9.0	14.6	11.1	17.0	24.0	24.0	24.0	18.0	11.0	1.0	0.0	0.0	0.0	0.0	0.0
20	21.0	9.2	14.5	12.7	17.0	24.0	24.0	24.0	21.0	11.0	1.5	0.0	0.0	0.0	0.0	0.0
21	27.0	7.5	16.6	11.1	19.9	24.0	24.0	24.0	19.0	14.5	8.0	2.0	0.0	0.0	0.0	0.0
22	30.6	9.9	19.3	14.8	23.5	24.0	24.0	24.0	24.0	15.0	11.0	7.0	0.0	0.0	0.0	0.0
23	31.5	11.5	20.9	15.2	25.4	24.0	24.0	24.0	24.0	18.5	12.5	9.0	1.0	0.0	0.0	0.0
24	23.0	11.2	16.7	17.2	18.9	24.0	24.0	24.0	24.0	15.0	5.5	0.0	0.0	0.0	0.0	0.0
25	20.0	9.8	14.5	12.2	16.6	24.0	24.0	24.0	24.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0
26	21.6	8.4	15.0	12.2	17.4	24.0	24.0	24.0	20.5	11.5	4.0	0.0	0.0	0.0	0.0	0.0
27	30.7	10.0	19.8	12.8	22.0	24.0	24.0	24.0	24.0	15.5	13.5	9.0	0.5	0.0	0.0	0.0
28	24.5	13.7	18.9	22.4	20.0	24.0	24.0	24.0	24.0	21.0	9.5	0.0	0.0	0.0	0.0	0.0
29	23.0	11.5	16.1	13.9	18.2	24.0	24.0	24.0	24.0	12.5	5.5	0.0	0.0	0.0	0.0	0.0
30	19.0	10.9	14.6	13.3	16.2	24.0	24.0	24.0	24.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0
31	19.9	10.8	15.0	13.7	16.6	24.0	24.0	24.0	24.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Total ...	—	—	—	—	—	744.0	744.0	744.0	632.5	348.0	93.5	27.0	1.5	0.0	0.0	0.0
Mean ...	22.2	9.2	15.0	12.4	17.6	24.0	24.0	24.0	20.4	11.2	3.0	0.9	0.05	0.0	0.0	0.0

Highest Maximum at 2 metres 31.5°C on 23rd. Highest Minimum at 2 metres 13.7°C on 28th.

Lowest Maximum at 2 mertes 17.0°C on 1st. Lowest Minimum at 2 metres 5.4°C on 3rd.

Absolute minimum temperature at 5 cms. above dry soil 4.5 °C on 3rd.

" " " " " " Wet soil — °C on —

" " " " " " Grass — °C on —

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

GIZA — MARCH 1961

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	1.4	0.7	2.3	392	6.3	11.6	54	3	10	75	46	6.6	5.7	4.8	3.73	0.0
2	1.1	0.5	1.9	354	8.9	11.6	77	7	8	70	41	6.5	6.2	7.5	3.83	0.0
3	2.9	2.1	3.9	482	10.4	11.6	90	0	2	70	35	6.9	6.1	10.7	5.98	0.0
4	2.5	1.9	3.3	467	9.6	11.6	83	1	8	70	50	8.2	8.7	6.8	4.68	0.0
5	2.7	1.8	4.0	383	8.9	11.7	76	7	10	80	43	8.0	7.5	9.0	5.53	0.0
6	2.7	2.2	3.4	407	9.3	11.7	79	3	9	76	44	8.1	7.6	7.7	4.52	0.0
7	2.1	1.3	3.2	425	8.9	11.7	76	3	9	72	43	7.8	7.2	6.7	5.02	0.0
8	1.8	0.8	3.3	356	6.2	11.8	53	3	9	77	35	7.2	5.7	7.4	4.91	0.0
9	2.4	1.3	3.8	336	4.7	11.8	40	2	8	71	47	7.2	7.0	8.1	4.90	0.0
10	2.9	2.0	4.2	481	9.7	11.8	82	1	7	68	43	7.2	6.9	9.1	5.68	0.0
11	2.8	1.7	4.3	394	7.9	11.8	67	0	11	77	61	8.7	8.6	6.9	5.36	1.8
12	2.2	1.5	3.2	472	9.7	11.9	82	0	9	64	41	7.1	6.6	7.7	6.32	0.0
13	1.3	0.7	2.2	450	9.0	11.9	76	6	8	74	45	8.2	7.8	5.8	3.85	0.0
14	1.5	0.5	2.9	444	8.4	11.9	71	6	10	74	28	7.6	5.7	7.5	4.99	0.0
15	1.9	0.4	3.9	434	9.6	12.0	80	0	6	67	39	8.0	7.6	8.2	6.10	0.0
16	1.5	1.0	2.1	510	9.6	12.0	80	1	5	64	41	7.5	7.1	7.0	4.58	0.0
17	1.7	1.0	2.6	472	9.4	12.0	78	3	7	62	39	7.5	6.9	8.6	5.64	0.0
18	2.4	1.9	3.1	444	8.5	12.0	71	1	7	74	43	8.0	7.5	7.9	5.87	0.0
19	1.7	1.2	2.5	426	7.7	12.1	64	1	7	58	40	7.2	6.8	7.8	4.99	tr.
20	1.9	0.8	3.3	449	9.6	12.1	79	0	1	62	46	7.6	7.6	8.3	5.05	0.0
21	0.9	0.6	1.4	516	9.8	12.1	81	2	6	54	29	6.7	6.5	9.0	5.89	0.0
22	1.4	1.0	2.1	503	10.2	12.2	84	0	0	46	18	6.1	5.0	10.3	5.46	0.0
23	0.9	0.4	1.7	486	8.8	12.2	72	0	0	36	20	5.9	6.2	11.6	6.39	0.0
24	2.1	0.8	4.0	498	8.0	12.2	66	1	2	76	43	9.6	9.5	8.9	6.57	0.0
25	2.2	1.0	3.8	525	9.3	12.3	76	0	4	62	37	7.0	6.3	9.1	7.06	0.0
26	1.8	1.0	3.0	523	8.8	12.3	72	0	6	46	28	6.0	5.5	14.1	7.92	0.0
27	2.8	2.9	2.7	475	8.1	12.3	66	0	0	48	18	6.2	5.2	19.0	8.53	0.0
28	3.5	2.1	5.5	503	8.7	12.4	70	0	0	60	38	8.8	8.4	11.7	6.50	0.0
29	2.3	1.3	3.7	469	7.6	12.4	61	1	8	62	31	7.6	5.9	10.5	6.41	0.0
30	2.8	1.2	5.1	432	7.3	12.4	59	0	0	58	38	6.9	6.8	10.3	6.17	0.0
31	1.9	1.2	2.9	372	5.1	12.5	41	0	0	59	40	6.6	6.4	7.4	5.45	0.0
TOTAL	—	—	—	13880	264.0	371.9	—	52	177	—	—	—	—	275.4	173.88	1.8
Mean	2.1	1.3	3.2	447.7	8.5	12.0	71	1.7	5.7	65	38	7.4	6.9	8.9	5.61	0.06

Maximum amount of rainfall in one day	1.8	mms. on 11th.
Lowest value of relative humidity	12	% on 27th.
Highest value of vapour pressure	11.9	mms. on 24th.
Lowest value of vapour pressure	3.9	mms. on 27th.

TABLE C 2—WIND SPEED, (SOLAR + SKY) RADIATION, DURATION OF BRIGHT SUNSHINE RELRTIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE GROUND, EVAPORRTION AND RAINFALL

TAHRIR — MARCH 1961

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	2.5	1.7	3.6	403	6.6	11.6	57	1	13	82	44	7.3	6.0	4.7	—	tr.
2	1.9	1.7	2.1	444	10.1	11.6	87	5	8	76	43	6.9	5.7	5.5	—	0.0
3	2.9	1.9	4.3	474	10.0	11.6	86	4	9	79	46	7.6	7.5	7.7	—	0.0
4	3.3	2.5	4.4	473	10.9	11.6	94	2	11	78	48	8.4	8.4	7.0	—	0.0
5	3.0	1.6	5.0	422	9.9	11.7	85	6	12	83	46	8.6	7.9	7.8	—	0.0
6	3.5	2.6	4.7	434	10.3	11.7	88	0	11	80	47	8.6	8.1	8.0	—	0.0
7	3.5	2.6	4.9	404	7.4	11.7	63	2	8	76	52	8.3	8.0	7.8	—	tr.
8	4.1	2.8	6.1	429	10.1	11.8	86	0	7	73	42	7.6	6.7	9.0	—	0.0
9	3.3	2.2	5.0	419	8.6	11.8	73	2	8	74	38	7.2	6.3	9.6	—	0.0
10	3.8	2.6	5.7	485	10.7	11.8	91	1	8	69	39	7.2	6.5	10.8	—	0.0
11	5.4	3.7	7.8	459	9.9	11.8	84	0	2	67	46	8.2	8.2	13.0	—	0.0
12	4.4	3.9	5.6	489	10.4	11.9	87	0	6	66	37	7.3	6.4	10.3	—	0.0
13	3.4	2.9	4.3	474	10.2	11.9	86	4	9	76	42	8.8	7.7	7.8	—	0.0
14	3.5	2.8	4.5	467	8.7	11.9	73	7	9	81	36	8.3	6.7	9.1	—	0.0
15	4.6	2.9	7.1	479	10.5	12.0	88	2	6	69	43	8.2	8.0	11.0	—	0.0
16	3.5	2.7	4.5	484	10.7	12.0	89	0	5	68	37	7.4	6.5	9.3	—	0.0
17	2.4	2.0	3.0	504	11.1	12.0	93	0	4	64	36	7.5	6.3	8.1	—	0.0
18	3.0	2.2	4.0	419	8.6	12.0	72	1	7	76	41	7.9	7.1	8.3	—	0.0
19	3.1	2.3	4.0	460	9.1	12.1	75	0	6	65	30	7.1	5.6	9.7	—	0.0
20	3.8	2.8	5.0	463	10.8	12.1	89	0	3	63	39	7.1	6.7	11.2	—	0.0
21	2.1	1.9	2.5	505	11.1	12.1	92	0	1	54	27	6.4	6.0	9.6	—	0.0
22	1.9	1.7	2.3	493	11.0	12.2	90	0	0	42	17	5.9	4.9	12.3	—	0.0
23	2.5	2.1	3.1	475	8.9	12.2	73	0	0	30	12	4.8	4.1	15.7	—	0.0
24	4.2	2.6	6.5	482	8.6	12.2	70	3	4	68	47	9.1	9.1	10.5	—	0.0
25	4.5	3.1	6.7	533	9.4	12.3	76	0	0	54	40	6.6	6.5	11.2	—	0.0
26	3.0	2.6	3.6	531	10.3	12.3	84	0	0	60	37	7.3	6.9	10.9	—	0.0
27	4.7	4.1	5.7	—	8.5	12.3	69	0	4	41	23	6.3	6.3	25.8	—	0.0
28	6.5	4.8	8.6	499	10.1	12.4	81	0	0	61	43	9.0	8.8	13.7	—	0.0
29	5.0	3.9	6.6	415	7.1	12.4	57	0	6	66	28	7.5	5.3	13.7	—	0.0
30	5.0	3.7	7.0	429	7.4	12.4	60	0	0	57	38	6.6	5.9	16.6	—	tr.
31	5.2	5.0	5.7	390	5.1	12.5	41	0	0	54	41	6.5	6.6	11.6	—	0.0
Total.	—	—	—	14298	302.1	371.9	—	40	167	—	—	—	—	327.3	—	tr.
Mean	3.7	2.8	4.9	461.2	9.7	12.0	81	1.3	5.4	66	38	7.5	6.8	10.6	—	0.0

Maximum amount of rainfall in one day	tr.	mms	on 1st, 7th and 30th.
Lowest value of relative humidity	11	%	on 23rd and 27th.
Highest value of vapour pressure	11.4	mms.	on 24th.
Lowest value of vapour pressure	3.2	mms.	on 23rd.

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

GIZA — MARCH 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0·3	53 0	1.2	29.4	4.0	26.5	7.2
1	48.3	3 0	26.6	4.4	24.8	6.6
2	44.3	4.4	25.2	5.4	24.3	7.2
5	32.0	8.0	23.6	7.1	22.0	8.9
10	26 5	12.5	22·1	9.5	20.6	11.2
20	23.0	16.2	20.4	12.1	19.6	13 0
50	21.8	18.0	17.1	13.9	17.8	15.1
100	21.3	19.8	16.8	15.1	17.7	16.4
200	22.4	21 9	18.1	17 6	19.6	19.2
300	24.1	23.4	—	—	—	—

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

TAHRIR — MARCH 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	45.2	5·7	—	—	—	—
1	44.0	6 0	—	—	—	—
2	41.8	6.4	—	—	—	—
5	34.5	7.7	—	—	—	—
10	29 7	9.4	—	—	—	—
20	25.0	11.8	—	—	—	—
50	20 8	15.0	—	—	—	—
100	20.1	17.2	—	—	—	—
200	20.2	19.4	—	—	—	—
300	20.9	20.6	—	—	—	—

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

GIZA — MARCH 1961

10 Knots or more ...	29 Days	30 Knots or more ...	0 Days
15 " " ...	7 "	35 " " ...	0 "
20 " " ...	0 "	40 " " ...	0 "
25 " " ...	0 "	The highest gust 24 knots on 11th.	

Printed at the General Organisation
for Government Printing Offices, Cairo.
Managing-Director
ALY SULTAN ALY

G.O., Govt. Printing Offices 1726-1965-150 ex.

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 4 NUMBER 4

APRIL, 1961

U.D.C. 551.506.1 (62)

MINISTRY OF MILITARY PRODUCTION—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

CONTENTS

	PAGE
General Summary of Weather Conditions	1—5

Surface Data

TABLE A 1.—Monthly Mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level	6·7
„ A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours	8·9
„ A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity	10,11
„ A 4.—Maximum and Minimum Air Temperatures...	12,13
„ A 5.—Rainfall and Snow Depth	14·15
„ A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum	16
„ A 7.—Soil Temperatures at Fixed Hours...	17–19
„ A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena	20·21
„ A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges	22·23
„ A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours	24–46

Upper Air Data

TABLE B 1.—Upper Air Climatological Data	47–50
„ B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air	51·52
„ B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces	53–60

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir...	61·62
TABLE C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields	63·64
„ C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall...	65·66
„ C 3.—Extreme Soil Temperatures at Different Depths in Different Fields	67
„ C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity	68

Note :—For explanatory notes on the tables, please refer to volume 4 number 1 (January 1961).

GENERAL SUMMARY OF WEATHER CONDITIONS

APRIL 1961

Changeable weather characterized with four heat waves — Moderate rainfall with few thunderstorms and hail in the Northern Region, heavy with floods during the 2nd week in its northern part. Frontal rising dust and duststorms.

THE MAIN FEATURES

— Large variability in temperature. Two excessive heat waves.

— Abnormally high relative humidity most of the month over the Mediterranean districts of the Republic and most of the 1st half of the month elsewhere.

— Frequent rain over the Northern Region most of the 1st and 2nd weeks. Slight snow fall over scattered localities.

— Five consecutive transits of Khamsin coastal secondaries. Pronounced variability in the barometric pressure in general.

— Few cells of thunderstorms over the Northern Region. Frontal rising dust or duststorms over scatterd localities of the Republic.

GENERAL DESCRIPTION OF WEATHER

During this month, the prevailing weather was remarkably changeable in temperature and four consecutive heat waves prevailed. Hot streams of air invaded both Regions from desert vicinities and were followed by rather cold streams shooting from Turkey and Greece. Exessive hot weather has been suffered during the second half of the month in general. On the 25th, maximum temperature reached 40 °C (+10 °C)at Cairo, 39°C (+ 7°C) at Minya and 40°C(+ 4 °C) at Aswan. On the 26th it attained 34 °C (+ 9°C) at Damascus and 35 °C (+ 11 °C) at Aleppo.

Rainfall was mainly confined to the Northern Region this month where frequent rain fell during the 1st half of the month. Rain was heavy in particular round the period (7th — 9th) in the northern part of the Region where high floods caused considerable destruction in lives and buildings. Few cells of thunderstorms occurred over scattered localities and were associated with hail.

Early morning mist or fog occurred during several days in the southern part of the Western Inland district of the Northern Region, Lower Egypt and Cairo Area districts of the Southern Regtion. Frontal rising dust or duststorms blew over scattered parts of both Regions.

The monthly mean values of various meteorological elements for different districts and their deviations from their corresponding normals are given in the following table.

District	Atmospheric pressure (mb.) Corrected to M.S.L.			Air temperature (°C)						Relative humidity (%)			Total rainfall (mms.)	
				Maximum (A)		Minimum (B)		(A+B)/2						
	Derivation of the mean values (a,e)	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Derivation of the mean values (a,e)	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	a	1013.7	—0.6	23.2	+0.2	13.5	+0.3	18.4	+0.2	a	63	— 4	0.0	—3.5
Lower Egypt	e	1013.9	—0.6	27.9	+0.6	11.8	+0.2	19.8	+0.4	e	68	— 2	0.0	—2.0
Cairo Area	a	1013.3	—0.7	28.9	+0.7	13.8	+0 8	21.4	+0.8	a	42	— 9	0.0	—0.8
Upper Egypt	a	1011.9	—0.4	32.1	+0.5	14.1	0.0	23.1	+0.2	a	30	— 6	0.5	0.0
Western Desert	a	1012.4	—1.3	31.7	+0.5	13.3	—0.3	22.5	+0.1	a	28	— 8	0.0	—0.3
Red Sea	a	1011.1	—0.5	27.6	+0.3	17.7	0.0	22.6	+0.2	a	46	— 8	0.0	—0.3

a = the 24 hours mean. e = 4 main synoptic hours mean. e = 06 and 18 U·T. hours mean.

PRESSURE DISTRIBUTION

During this month, the pressure distribution over the surface map was characterized by :

— Two large scale high pressure systems, the Ist over southwest Russia, which was a soutwest ridge of the Siberian anticyclone, and the second over west Europe and Africa, which was the east arm of the Atlantic anticyclone.

— Deep travelling low pressure systems north latitude 50°N,traversing Europe and Russia from the west to the east either along an east or northeast track.

— Secondary depressions originating over northwest Africa and proceeding eastwards towards East Mediterranean with shallow khamsin secondaries at their southern limits skirting the northern part of the Egyptian Region.

— The trough of low pressure over Sudan.

In the upper levels, two planetary waves prevailed the whole month at both 700 & 500 mb levels over extreme north of Russia and Atlantic Ocean. Both upper low pressure systems showed marked southward elongations through middle latitudes with two occasional marked closed upper lows over East Mediterranean and northwest Africa regions respectively.

Five secondary depressions traversed East Mediterranean this month, the first of which appeared over Lybia on the 1st, proceeded eastwards through Cyrenica on the 2nd, traversed the Western Desert of Egypt as a Khamsin disturbance on the 3rd and occupied Sinai peninsula and northern districts of the Red Sea on the 4th while amalgamating with the Sudan trough of low pressure. Accordingly the barometric pressure over East Mediterranean and vicinities experienced a marked fall round the 4th & 5th.

The second secondary depression originated over Tunisia on the 5th. It proceeded eastwards on the 6th, traversed Lybia round period (7th & 8th), Cyrenica on the 9th, the northern part of Egypt round the period (10th & 11th). On the 12th it diverted towards the northeast through the Arabian Countries while it enlarged its sector and included Asia Minor and Black Sea regions. During its life history the pressure fall over East Mediterranean was appreciable round period (10th — 13th).

The third secondary depression originated over Algiers round period (13th—15th), then it started to proceed eastwards. It traveresd Tunisia round period (16th—18th), Central Mediterranean on the 19th and East Mediterranean round period (20th—21st) where a shallow Khamasin depression was attached to its southern part and skirted the northern part of Egypt. On the 22nd it shooted towards Iraq.

The last two secondary depressions developed over Tunisia round the 22nd & 28th respectively, shooted eastwards towards Central Mediterranean round the 23rd & 29th and traversed Cyrenica round the 24th & 30th respectively. The former overrun Lower Egypt on the 25th while the latter approached the Western Desert of Egypt on the 30th. It is worth to mention that, the barometric pressure over East Mediterranean during the last ten days of the month was generally below normal, though its departure ranged between 3 & 6mbs. Moreover, high pressure established at the rear of the secondary depressions traversing East Mediterranean and the Siberian anticyclone southwest ridge operated over East Mediterranean and vicinities during these periods.

SURFACE WIND

NORTHERN REGION

The prevailing wind direction was Wly to SW ly all over the Region except in the eastern part of El Gezeira district where it was N ly ; and in the North-Eastern district where it was Ely.

The daily average wind was generally light to moderate all over the Region. It was moderate during periods (4th—5th) & (12th—14th) all over the Region ; on the 26th in Lattakia, Aleppo & Damascus and on the 29th in Damascus. It was light all over the Region between the 14th and 21st. The maximum wind speed was 34 knots reported at Aleppo on the 12th.

SOUTHERN REGION

During this month, the prevailing winds were light to moderate, N/NWly most of the 1st week and E/NE ly the rest part of the month with the exception of few scattered days during which winds of suotherly components blew all over the Region. Fresh to strong winds blew in advance and accompanying the Khamsin transits through the northern part of the Region. Over scattered localities of the Region particularly Cairo Area, Western Desert and Upper Egypt districts, the surface wind dropped to calm in many days of the month during night and early morning intervals.

Gales were reported at : Sallum & Sidi Barrani on the 10th ; Mersa Matruh on the 24th ; Abu Sueir on the 11th &28th ; Zaher, Fayed, Kabrit & Mostafa Helmi on the 11th and at Hurghada on the 12th.

TEMPERATURE

NORTHERN REGION

Maximum temperature was remarkably changeable during the month. Over the Coastal district, it oscillated round its normal and its values ranged between 17 & 23 °C ; over the inland districts, it oscillated above its normal and its values ranged between 20 & 30 °C in general. Over the far inland districts, it oscillated below its normal the 1st half of the month and its values ranged between 17 & 25 °C ; while during the 2nd half, it oscillated above its normal and its values ranged between 25 &35 C°. The absolute maximum temperature for the Region was 39.1 °C reported at Himmah (167 metres below sea level) on the 26th.

Minimum temperature was also changeable but to a less extent than maximum temperature. Over the Coastal district, it oscillated round its normal and its values ranged between 9 & 15°C. Over the inland and far inland districts, it oscillated above its normal and its values ranged between 6 & 15 °C and between 10 & 20 °C respectively. The absolute minimum temperature for the Region was — 8.6 °C at Madaya (High land in the Western Inland district) on the 19th.

SOUTHERN REGION

Maximum temperature was oscillatory this month round its normal with great variability. Over the Mediterranean district, its values ranged between 20 & 30°C with excessive hot crests that ranged between 35 & 37 °C. Over the inland and far inland districts, its values ranged between 25 & 35 °C with excessive crests between 35 & 45°C. The absolute maximum temperature for the Region was 42.2 °C reported at Kharga on the 26th.

Minimum temperature was similarly oscillatory round normal with the exception of the northern districts where it was generally below normal. Its values ranged between 8 & 15 °C over the Coastal district, between 10 & 20 °C over inland districts and between 8 & 15 °C over the far inland districts.The absolute minimum temperature for the Region was 4.0 °C reported at Sakha on the 9th.

PRECIPITATION

Precipitation was light in general and confined to the Northern Region most of the 1st half of the month, but was heavy in particular in northern parts of the Region during the period (7th—9th). The monthly total rainfall was subnormal in general with marked deficiency. The absolute monthly rainfall was 145.6 mms reported at Qurdaha (High land of the Coastal area), while the absolute daily rainfall was 74.4 mms. reported at Himmah (southern part of the Western Inland district) on the 6th.

In the Southern Region, traces of light showers over scattered localities were reported. Apart from 0.3 mm. at Ghazza on the 4th and 5.0 mms. at Seds on the 12th, no measurable rainfall amount was marked out.

MISCELLANEOUS WEATHER PHENOMENA

SOUTHERN REGION

Thunderstorms occurred at : Abu Sueir on the 7th and at Fayed on the 6th.

Mist patches developed at : Sallum on the 18th ; Sidi Barrani on the 9th, 18th & 20th ; Mersa Matruh on the 9th ; El-Arish on the 12th, 13th, 20th & 21st ; Ghazza on the 11th, 12th & 19th ; Tahrir on the 2nd, 4th, 8th, 19th, 23rd, 24th & 27th ; Abu Sueir on the 15th, 16th, 18th & 26th ; Zaher on the 16th, 17th, 18th & 26th ; Inshas on the 3rd, 16th & 18th ; Fayed on the 26th ; Cairo on the (5th - 8th), 15th, 16th, 17th, 22nd & 26th ; Mostafa Helmi on the 5th, 6th, 7th, 16th, 20th, 23rd, 26th & 27th ; Almaza on the 5th & 26 th ; Abbasiya on the 7th, 8th, 16th, 17th, 18th & 26th, Imbaba on the 11th & 12th ; Giza on the 17th & 18th and at Kom Ombo on the 22nd.

Fog patches developed at : Mersa Matruh on the 18th & 21st ; Dekheila on the 9th ; Alexandria on the 8th & 9th ; Ghazza on the 21st & 22nd ; Tahrir on the 18th ; Inshas on the 17th ; Cairo & Almaza on the 18th and at Mostafa Helmi on the 4th & 18th.

Local rising sand or dust was reported at : Sallum on the 11th & 25th ; Sidi Barrani on the 14th ; Dekheila on the 10th & 11th ; Balteam on the 11th, 25th & 28th; Alexandria, El Arish & Ghazza on the 11th; Tahrir on the 28th ; Abu Sueir on the 3rd, 12th & 25th ; Zaher on the 11th ; Wadi El Natrun on the 11th, 25th, & 28th ; Inshas on the 11th, & 28th ; Mostafa Helmi on the 4th, 10th, & 25th ; Cairo, Almaza, Abbasiya & Giza on the 11th & 28th ; Imbaba on the 11th ; Minya on the 11th & 14th ; Asyout on the 11th ; Kom Ombo on the 2nd & 15th ; Siwa on the 11th, Bahariya on the 10th & 11th ; Farafra on the 10th, Dakhla on the 4th & 11th ; Kharga on the 11th, 12th & 14th ; Tor on the 12th & 13th and at Quseir on the 1st, 6th, 16th & 30th.

Sand or duststorms blew over : Sallum & Sidi Barrani on the 10th ; Mersa Matruh on the 24th ; Port Said, Tahrir &Inshas on the 11th ; Abu Sueir, Fayed, Kabrit & Mostafa Helmi on the 11th & 28th ; Luxor & Kom Ombo on the 26th ; Aswan on the 12th, 13th, 15th & 26th and over Siwa on the 10th.

Cairo, October 1966

M. F. TAHA
UNDER SECRETARY OF STATE
DIRECTOR GENERAL
METEOROLOGICAL DEPARTMENT

TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "Hp" AND TO MEAN SEA LEVEL

APRIL 1961

District	Station	Altitude of Hp. (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal
MEDITERRANEAN	Sallum	6.0	1013.0	—	1013.5	—0.9	1013.2	—0.8	1012.9	—1.3	5.2	1013.5	—	1014.0	—0.8	1013.7	—0.7	1013.4	—1.2
	Sidi Barrani	22.8	1010.5	—0.4	1011.2	—0.5	1010.9	—0.6	1010.3	—1.0	24.0	1013.1	—0.4	1013.8	—0.5	1013.5	—0.6	1012.9	—1.0
	Mersa Matruh (A)	30.0	1010.3	—1.1	1010.7	—0.5	1010.6	—0.4	1010.3	—0.8	30.0	1014.0	—1.1	1014.4	—0.5	1014.3	—0.4	1014.0	—0.8
	Dabaa	18.0	1010.9	—	1011.4	—	1011.3	—	1011.1	—	17.8	1012.9	—	1013.4	—	1013.3	—	1013.1	—
	Dekheila (A)	6.0	1013.6	—	1013.9	—0.2	1013.9	—0.5	1013.7	—	5.9	1014.2	—	1014.5	—0.2	1014.5	—0.5	1014.3	—
	Alexandria (A)	7.0	1013.1	—0.3	1013.5	—0.4	1013.3	—0.2	1013.2	—0.4	6.8	1013.9	—0.3	1014.3	—0.4	1014.1	—0.2	1014.0	—0.4
	Balteam	2.0	1013.9	—	1014.2	—	1013.7	—	1013.9	—	2.0	1014.0	—	1014.4	—	1013.9	—	1014.1	—
	Damietta	5.0	1012.9	—	1013.5	—0.7	1013.0	—0.9	1013.3	—0.7	5.0	1013.3	—	1013.9	—0.7	1013.4	—0.9	1013.7	—0.7
	Port Said (A)	7.4	1012.9	—0.2	1013.3	—0.5	1012.9	—0.2	1013.0	—0.3	6.1	1013.6	—0.2	1014.0	—0.5	1013.6	—0.2	1013.7	—0.3
	El Arish	17.1	1012.0	+0.3	1012.6	—0.4	1011.8	—0.4	1012.2	—0.4	17.1	1013.2	+0.3	1013.8	—0.4	1013.0	—0.4	1013.4	—0.4
	Ghazza	15.7	1011.8	—	1012.2	—	1011.5	—	1011.7	—	15.7	1013.7	—	1014.1	—	1013.4	—	1013.6	—
LOWER EGYPT	Mansoura	8.0	1013.5	—	1013.6	—0.2	1012.3	—0.8	1013.2	—0.7	7.1	1014.3	—	1014.4	—0.2	1013.1	—0.8	1014.0	—0.7
	Damanhour	6.7	1013.4	—	1013.8	—0.5	1013.2	—0.7	1013.6	—0.7	6.7	1014.1	—	1014.4	—0.6	1013.8	—0.8	1014.3	—0.7
	Gimmeiza	8.9	1013.0	—	1013.7	+0.4	1012.4	+0.2	1012.9	+0.2	8.9	1014.0	—	1014.7	+0.4	1013.4	+0.2	1013.9	+0.2
	Tanta	14.8	1012.3	—	1012.5	—0.5	1011.5	—0.2	1012.3	—0.2	15.4	1013.5	—	1013.7	—0.5	1012.7	—0.2	1013.5	—0.2
	Tahrir	16.0	1011.9	—	1012.2	—	1010.8	—	1011.5	—	18.6	1014.1	—	1014.4	—	1013.0	—	1013.6	—
	Shebin El Kom	17.9	1011.2	—	1011.9	—1.7	1010.5	—1.7	1011.1	—1.7	17.9	1013.4	—	1014.2	—1.6	1012.7	—1.5	1013.3	—1.7
	Zagazig	13.0	1012.6	—	1013.1	—0.5	1011.4	—0.6	1012.7	—0.3	13.0	1014.2	—	1014.7	—0.5	1013.0	—0.6	1014.3	—0.3
	Abu Sueir (A)	16.0	1012.0	—	1012.6	—	1011.0	—	1012.1	—	16.0	1013.9	—	1014.5	—	1012.8	—	1014.0	—
	Zaher (A)	23.5	1009.2	—	1009.8	—	1008.4	—	1008.9	—	23.3	1012.8	—	1013.4	—	1011.9	—	1012.4	—
	Wadi El Natrun	0.9	1014.7	—	1015.1	+0.8	1013.2	+1.0	1014.2	+0.7	0.9	1014.8	—	1015.2	+0.8	1013.3	+1.0	1014.3	+0.7
	Inshas (A)	25.5	1007.8	—	1008.2	—	1006.5	—	1007.6	—	25.6	1010.7	—	1011.2	—	1009.5	—	1010.2	—
	Fayed (A)	35.0	1011.9	—	1012.4	—	1010.6	—	1011.9	—	35.0	1014.5	—	1015.0	—	1013.1	—	1014.4	—
	Kabrit (A)	4.9	1012.5	—	1013.3	—	1011.4	—	1012.4	—	4.8	1013.9	—	1014.7	—	1012.7	—	1013.8	—
CAIRO AREA	Cairo (A)	74.5	1005.9	—0.7	1006.6	+0.2	1005.0	—0.5	1005.7	—0.6	74.0	1013.6	—0.8	1014.1	0.0	1012.4	—0.6	1013.2	—0.7
	Mostafa Helmi (A)	164.0	994.4	—	994.9	—	993.7	—	994.1	—	164.0	1013.9	—	1014.2	—	1012.3	—	1013.2	—
	Almaza (A)	78.5	1004.1	—0.6	1004.6	—0.8	1003.2	—0.7	1003.8	—0.8	78.6	1013.4	—0.6	1013.9	—0.7	1012.2	—0.7	1012.9	—0.8
	Abbasiya (H.Q.)	26.4	1011.4	—	1011.8	—	1010.4	—	1010.8	—	26.4	1014.6	—	1015.0	—	1013.3	—	1014.0	—
	Imbaba (A)	19.0	1012.0	—	1012.5	—	1010.7	—	1011.3	—	19.0	1014.1	—	1014.6	—	1012.8	—	1013.4	—
	Giza	22.5	1011.0	—	1011.4	—0.4	1009.9	—0.3	1010.2	—0.8	22.5	1013.8	—	1014.2	—0.4	1012.6	—0.4	1013.0	—0.8
	Helwan	115.5	—	—	1000.7	—0.5	999.1	—0.5	999.4	—0.8	115.6	—	—	1014.2	—0.5	1012.4	—0.4	1012.8	—0.8

TABLE A 1. (*contd.*)—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "*Hp*" AND TO MEAN SEA LEVEL

APRIL 1961

District	Station	Altitude of Hp. (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from nomal
UPPER EGYPT	Fayoum	23.3	1010.8	—	1011.5	0.0	1009.6	+0.1	1009.7	—0.2	23.3	1013.8	—	1014.5	0.0	1012.4	0.0	1012.6	—0.2
	Beni Suef	30.0	1009.8	—	1010.4	—0.4	1008.7	—0.3	1008.7	—0.4	30.0	1013.5	—	1013.9	—0.3	1012.0	—0.3	1012.0	—0.5
	Minya ... ... (A)	40.0	1008.0	—0.6	1008.8	—0.9	1007.4	—0.7	1006.9	—1.1	40.3	1012.9	—0.5	1013.6	—0.9	1011.9	—0.7	1011.6	—1.1
	Asyout (Mangabd) a ... ... (A)	69.6	1004.1	—0.1	1005.6	—0.5	1003.6	—0.2	1003.6	—0.4	69.5	1012.3	—0.1	1013.8	—0.4	1011.5	—0.2	1011.6	—0.4
	Nag Hammadi	70.5	1003.0	—	1004.6	—1.3	1002.4	—1.0	1002.5	—1.3	70.5	1011.1	—	1012.7	—1.5	1010.4	—0.9	1010.6	—1.4
	Kena	74.2	—	—	1004.7	+0.1	1002.6	+0.7	1002.4	+0.2	74.2	—	—	1013.3	+0.2	1010.7	+0.6	1011.0	+0.3
	Luxor ... ... (A)	88.5	1000.7	—0.5	1002.3	—0.7	999.9	—0.7	999.9	—0.9	88.4	1011.0	—0.4	1012.5	—0.6	1009.8	—0.7	1010.0	—0.9
	Kom Ombo	102.6	999.5	—	1000.8	—	998.2	—	998.4	—	102.6	1011.2	—	1012.6	—	1009.7	—	1010.2	—
	Aswan ... ... (A)	193.5	987.5	—	989.2	—1.0	987.2	—1.2	987.1	—0.9	193.5	1010 0	—	1011.5	—0.9	1008.4	—1·4	1009.0	—0.9
WESTERN DESERT	Siwa	—13.5	1015.0	—0.7	1015.8	—0.8	1014.9	—0.3	1013.9	—0.7	—13.3	1013.3	—0.7	1014.2	—0.7	1013.3	—0.3	1012.2	—0.7
	Bahariya	129.5	997.5	—	998.6	—2.0	997.1	—2.0	996.5	—3.0	129.6	1012.6	—	1013.6	—2.0	1011.6	—2.2	1011.2	—3.2
	Farafra	91.8	1004.3	—	1005.2	+0.2	1003.8	+0.6	1003.7	+0.6	92.1	1014.5	—	1015.7	+0.2	1013.7	+0.6	1013.6	+0.4
	Dakhla	111.5	998.0	—	999.3	—1.3	997.5	—1.2	997.1	—1.9	111.5	1011.2	—	1012.4	—1.2	1010.0	—1.3	1009.9	—1.9
	Kharga	72.8	1002.9	—	1004.4	—1.8	1002.5	—2.1	1002.5	—1.3	73.0	1011.3	—	1012.7	—1.9	1010.5	—2.2	1010.7	—1.3
RED SEA	Suez	11.0	1012.3	—	1012.9	—0.9	1011.5	—0.9	1011.8	—2.1	12.2	1013.5	—	1014.1	—0.9	1012.7	—0.9	1012.9	—2.2
	Tor	4.2	1010.5	—	1012.0	—0.7	1010.6	—0.9	1010.3	—0.8	4.2	1010.9	—	1012.4	—0.7	1011.0	—0.9	1010.7	—0.8
	Hurghada	2.8	1010.9	+0.7	1012.6	+0.5	1010.6	0.0	1010.7	+0.4	2.8	1011.1	+0.7	1012.8	+0.5	1010.8	0.0	1010.9	+0.4
	Quseir	11.3	1009.0	—	1010.8	—0.7	1009.4	—1.4	1009.3	—1.1	11.3	1010.0	—	1011.8	—0.7	1010.4	—1.4	1010.3	—1.1
	Abul Kizan	5.0	1010.1	—	1011.4	—	1010.2	—	1010.2	—	5.0	1010.6	—	1012.0	—	1010.7	—	1010.7	—

TABLE A 2.—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

APRIL 1961

District	Station	Dry bulb temperature (°C)								Wet 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
MEDITERRANEAN	Sallum	15.9	—	17.3	— 0.4	22.2	+ 0.8	18.6	+ 0.7	12.8	—	13.0	— 0.9	15.3	— 0.7	14.5	0.0	67	—	58	— 5	44	— 9	61	— 6
	Sidi Barrani	14.3	— 0.8	16.9	— 0.3	21.0	+ 0.4	17.6	+ 0.3	12.7	+ 0.7	13.7	+ 0.5	16.0	+ 0.7	14.6	+ 0.8	83	+16	68	+ 7	54	0	70	+ 4
	Mersa Matruh ... (A)	14.2	+ 0.4	17.2	— 0.1	21.7	+ 1.0	17.4	+ 0.6	12.0	+ 0.5	14.1	+ 0.4	15.8	+ 0.4	14.4	+ 0.3	76	+ 2	69	+ 4	51	— 3	70	— 3
	Dabaa	14.1	—	18.2	+ 0.7	22.0	+ 0.7	17.1	+ 0.1	10.7	—	13.0	— 0.9	14.9	— 0.3	13.1	— 1.0	63	—	52	—13	42	— 7	61	—10
	Dekheila ... ... (A)	15.6	—	18.0	— 0.7	21.7	+ 1.0	18.0	—	12.8	—	14.2	— 1.7	16.2	— 1.1	14.7	—	70	—	63	—10	54	—16	68	—
	Alexandria ... ... (A)	15.2	+ 0.1	19.3	+ 1.2	23.0	+ 0.9	17.6	+ 0.4	13.4	0.0	15.4	+ 0.6	16.9	+ 0.6	15.0	+ 0.4	81	— 1	63	— 5	51	— 1	74	0
	Balteam	15.5	—	19.2	—	22.5	—	17.3	—	13.6	—	15.5	—	16.6	—	14.8	—	80	—	65	—	52	—	75	—
	Damietta ... ... (A)	14.8	—	18.8	— 0.2	23.1	+ 2.0	17.6	0.0	—	—	15.8	— 0.1	17.2	+ 0.7	15.7	+ 0.3	—	—	71	0	53	— 8	81	+ 3
	Port Said	17.2	— 0.1	18.6	0.0	21.5	+ 0.5	18.3	— 0.2	14.5	— 0.4	15.0	— 0.4	16.8	+ 0.1	15.4	— 0.4	73	— 3	66	— 4	60	— 3	72	— 2
	El Arish	15.4	+ 0.3	19.5	—0.1	22.4	+ 0.9	18.3	+ 0.1	13.5	+ 0.6	15.3	— 0.5	17.0	— 0.3	15.5	— 0.1	80	+ 4	61	— 4	55	— 9	73	— 2
	Ghazza	15.4	—	18.8	—	20.6	—	18.5	—	13.9	—	16.0	—	18.1	—	16.6	—	84	—	73	—	77	—	81	—
LOWER EGYPT	El Sirw	14.9	—	19.3	+ 0.1	23.3	+ 0.3	17.7	— 0.2	—	—	15.8	— 0.3	17.2	— 0.9	15.5	+ 0.3	—	—	67	— 4	51	— 9	78	+ 1
	Sakha	12.1	—	18.5	+ 0.1	27.3	+ 1.0	17.8	+ 1.2	—	—	15.5	+ 0.1	21.1	+ 2.9	15.2	+ 0.7	—	—	71	0	55	+13	74	— 4
	Mansoura	14.6	—	17.8	— 0.7	27.3	+ 1.9	18.9	+ 1.4	—	—	14.7	— 1.5	16.9	+ 0.4	14.8	+ 0.6	—	—	69	— 9	30	— 6	61	— 7
	Damanhour	14.0	—	19.0	+ 0.4	25.4	+ 1.1	17.3	+ 0.5	—	—	15.6	+ 0.5	17.3	+ 0.7	14.3	— 0.4	—	—	68	+ 1	41	0	70	0
	Gimmeiza	12.1	—	20.1	+ 1.9	27.8	+ 1.4	18.0	+ 1.1	—	—	16.5	+ 1.0	19.7	+ 1.3	15.5	+ 0.9	—	—	67	— 7	43	0	75	— 2
	Tanta	12.8	—	17.8	— 0.3	27.5	+ 0.7	17.9	0.0	11.0	—	14.3	— 0.5	17.7	+ 0.1	14.0	— 0.8	80	—	66	— 2	34	— 2	63	— 6
	Tahrir	14.1	—	18.5	—	27.3	—	19.1	—	12.3	—	14.2	—	15.8	—	14.4	—	80	—	60	—	24	—	57	—
	Shebin El Kom ...	13.2	—	19.1	+ 1.4	27.6	+ 1.4	18.7	— 0.1	—	—	15.3	+ 0.9	17.6	+ 1.0	14.8	+ 0.2	—	—	64	— 4	33	0	63	+ 3
	Zagazig	14.9	—	17.5	— 1.2	27.4	+ 0.5	20.1	+ 1.7	—	—	14.6	— 0.9	17.4	— 0.4	15.3	+ 0.4	—	—	71	+ 1	32	— 5	57	— 9
	Abu Sueir ... ... (A)	15.1	—	18.8	—	27.8	—	19.8	—	12.9	—	14.6	—	16.0	—	14.8	—	76	—	60	—	22	—	55	—
	Zaher ... ... (A)	14.7	—	17.9	—	27.7	—	20.1	—	12.4	—	14.0	—	16.5	—	14.7	—	75	—	62	—	26	—	53	—
	Wadi El Natrun ...	15.7	—	19.0	+ 0.9	28.9	+ 1.7	21.0	+ 0.3	12.1	—	14.3	— 0.1	16.3	— 0.3	14.4	— 0.7	63	—	57	— 7	21	— 8	44	— 8
	Inshas .. .. .. (A)	15.4	—	18.3	—	28.0	—	20.7	—	11.9	—	13.6	—	16.7	—	14.5	—	63	—	56	—	26	—	47	—
	Fayed ... ... (A)	15.5	—	19.5	—	28.1	—	20.5	—	12.5	—	14.6	—	16.5	—	14.9	—	68	—	56	—	24	—	51	—
	Kabrit ... ... (A)	16.1	—	18.7	—	27.1	—	20.6	—	13.5	—	14.6	—	17.1	—	15.4	—	73	—	61	—	32	—	54	—
CAIRO AREA	Cairo ... ... (A)	16.2	+ 0.2	19.0	+ 0.9	27.7	+ 0.9	21.8	+ 0.6	13.1	— 0.1	14.1	— 0.3	15.9	— 0.6	14.8	— 0.4	68	— 3	55	— 9	22	— 8	43	— 7
	Mostafa Helmi ... (A)	14.7	—	17.2	—	26.8	—	20.6	—	11.8	—	12.8	—	15.2	—	13.7	—	69	—	58	—	23	—	42	—
	Almaza ... ... (A)	16.1	— 0.1	18.6	+ 0.7	28.0	+ 1.2	21.7	+ 0.2	12.2	— 0.9	13.4	— 0.3	16.0	0.0	14.3	— 0.6	60	— 8	52	— 8	22	— 5	40	— 5
	Abbasiya ...(H.Q.) ...	16.7	—	19.6	—	28.4	—	22.1	—	13.9	—	15.4	—	17.4	—	15.7	—	71	—	61	—	28	—	48	—
	Imbaba ... ... (A)	13.7	—	18.4	—	27.9	—	20.8	—	10.6	—	13.4	—	16.5	—	14.2	—	66	—	58	—	25	—	44	—
	Giza	15.4	—	18.4	+ 0.4	27.9	+ 0.1	21.8	+ 1.3	12.6	—	14.2	— 0.4	15.8	— 1.3	14.5	— 0.3	70	—	60	— 7	19	—10	40	—11
	Helwan	—	—	18.6	+ 0.2	27.8	+ 0.6	22.6	+ 0.5	—	—	14.5	+ 1.1	16.8	+ 1.7	15.0	+ 1.1	—	—	61	+ 7	27	+ 6	40	+ 5

TABLE A 2 (*contd.*)—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

APRIL 1961

District	Station	Dry bulb temperature (°C)								Wet 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
Upper Egypt	Fayoum	16·4	—	19.3	+ 0.5	29.0	+ 1.0	22.6	+ 1.4	12.5	—	14.5	+ 0.5	16.6	+ 0.3	15.1	+ 0.7	60	—	56	0	22	— 2	41	— 4
	Beni Suef	15.4	—	18.3	— 1.7	29.5	+ 0.1	21.8	+ 0.1	10.8	—	12.9	— 1.6	16.7	— 0.4	14.2	— 0.4	53	—	50	— 2	20	— 3	39	— 3
	Seds	15.5	—	19.4	+ 0.7	28.7	— 0.2	20.6	— 0.6	—	—	14.9	+ 0.5	17.3	— 0.2	15.4	+ 0.2	—	—	59	— 2	26	— 1	54	+ 4
	Minya ... ... (A)	15.2	+ 0.5	18.9	+ 0.6	30.2	+ 0.8	21.9	+ 1.2	11.7	+ 0.4	14.5	+ 0.9	16.9	0.0	14.5	+ 0.5	63	0	59	+ 3	19	— 3	40	— 4
	Mallawi	14·0	—	19.2	—	30.7	—	21.2	—	—	—	14.9	—	18.1	—	14.7	—	—	—	60	—	23	—	46	—
	Asyout (Mangabad)(A)	19.2	+ 0.7	20.3	+ 0.6	30.7	— 0.1	25.1	+ 0.7	10.8	— 0.6	12.4	— 0.5	15.7	— 0.5	13.8	— 0.2	28	— 8	33	— 8	12	— 2	21	— 4
	Shandaweel	15·8	—	22.3	— 0.3	32.3	— 0.1	22.1	— 0.4	—	—	15.8	— 0.0	19.2	— 0.1	16.4	+ 0.6	—	—	47	+ 2	24	0	53	+ 7
	Nag Hammadi	18·0	—	21.4	+ 0.4	32.1	+ 1.2	24.0	+ 1.1	—	—	15.1	+ 0.7	18.7	+ 1.4	16.0	+ 1.1	—	—	47	+ 3	22	+ 3	39	+ 1
	Kena	20·2	—	24.1	+ 1.1	31.7	— 1.9	25.2	— 0.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor ... ... (A)	18·9	— 0.5	23 3	— 0.5	33.0	+ 0.1	25.9	— 0.5	12.9	+ 1.3	15.4	+ 0.8	19.8	+ 2.1	16.5	+ 1.3	46	+13	38	+ 7	24	+ 8	34	+10
	Kom Ombo	19·6	—	24.1	—	34.0	—	26.0	—	11.3	—	14.1	—	17.2	—	14.5	—	29	—	26	—	11	—	21	—
	Aswan ... ... (A)	20·8	—	23.0	— 0.7	33.2	— 1.2	27.7	— 1.3	10.6	—	12.1	— 2.1	15.9	— 2.6	13.3	— 2.5	18	—	19	—10	8	— 7	9	— 9
Western Desert	Siwa	16·5	+ 0.1	17.9	+ 0.7	28.5	— 0.1	23.7	— 0.1	10.9	— 0.2	12.4	— 0.1	15.6	— 0.7	13.7	— 0.7	46	— 2	49	— 6	18	— 4	26	— 4
	Bahariya	17·1	—	18.5	— 0.2	30.1	+ 1.3	24.7	+ 2.6	11.9	—	13.4	— 0.4	16.6	— 0.9	14.6	0.0	50	—	53	— 2	18	— 9	27	—13
	Farafra	17.5	—	19.2	+ 0.6	30.5	+ 1.2	24.8	+ 2.2	10.9	—	14.0	+ 1.7	18.1	+ 1.5	14.3	+ 1.1	39	—	53	+10	21	0	25	— 3
	Dakhla	15·9	—	20.2	— 0.3	31.6	+ 0.8	24.3	— 1.6	8.8	—	11.7	— 0.9	15.5	— 1.3	12.8	— 1.3	31	—	29	— 5	9	— 8	18	— 2
	Kharga	18.0	—	22.5	+ 0.3	32.8	+ 0.8	24.2	— 1.1	10.6	—	13.9	— 0.9	17.6	— 1.8	14.0	— 1.6	33	—	33	— 8	15	— 11	25	— 6
Red Sea	Suez	18.7	—	18.9	— 0.2	26.9	+ 0.3	22.1	+ 0.8	—	—	15.8	+ 0.3	18.1	+ 0.9	17.0	+ 1.3	—	—	71	+ 7	38	+ 3	57	+ 4
	Tor	19.4	—	21.6	— 0.2	25.5	+ 0.7	23.8	+ 0.3	14.3	—	16.5	— 0.7	18.0	— 0.9	16.4	— 1.7	54	—	57	— 4	45	—10	43	—14
	Hurghada	18.8	+ 0.2	22.7	+ 0.8	26.2	+ 1.4	22.7	— 0.3	12.3	— 1.1	15.4	— 0.9	17.4	— 2.0	15.9	— 1.5	42	—10	42	—11	38	—20	45	—10
	Quseir	20.9	—	24.3	— 0.1	25.8	0.0	22.7	— 0.8	13.6	—	16.5	— 0.9	18.7	— 1.6	16.6	— 1.7	39	—	41	— 6	48	—11	51	— 7
	Abul Kizan	22.7	—	25.1	— 0.1	25.3	— 0.8	23.6	— 0.6	—	—	21.3	— 0.5	20.8	— 1.4	20.9	— 0.6	—	—	70	— 3	65	— 5	78	0

(2)

TABLE A 3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

APRIL 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)												Relative humidity %		
		Derivation of the mean values a,b,c,d	Station Pressure (corrected to Hp)		M. S. L. Pressure		Maximum (A)		Minimum (B)		(A + B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a,b,c,d	Mean	Dev. from normal	Deriv. of the mean values a,b,c,d	Mean	Dev. from normal			
MEDITERRANEAN	Sallum	a	1013.1	— 0.5	1013.6	— 0.4	24.0	+ 0.2	14.0	+ 1.3	19.0	a	18.6	+ 1.2	a	13.9	+ 0.1	a	56	— 9
	Sidi Barrani	a	1010.7	— 0.4	1013.3	— 0.4	22.1	+ 0.1	12.6	+ 0.1	17.4	a	17.4	+ 0.2	a	14.2	+ 0.4	a	68	+ 2
	Mersa Matruh (A)	a	1010.5	— 1.2	1014.2	— 1.2	23.3	+ 1.4	11.9	— 0.3	17 6	a	17.5	+ 0.3	a	13.8	0.0	a	64	— 2
	Dabaa	a	1011.1	—	1013.1	—	23.1	0.0	11.8	— 0.1	17.4	a	17.5	+ 0.6	a	12.7	— 1.0	a	54	—14
	Dekheila (A)	a	1013.7	—	1014.3	—	23.1	+ 0.4	14.2	— 0.2	18.6	a	18.4	—	a	14.5	—	a	63	—
	Alexandria (A)	a	1013.3	— 0.8	1014.1	— 0.8	24.9	+ 1.7	13.5	+ 0.2	19.2	a	18.7	+ 0.4	a	15.0	+ 0.2	a	65	— 1
	Bakeam	a	1013.8	—	1014.0	—	23.7	—	13.9	—	18.8	a	18.5	—	a	15.1	—	a	68	—
	Damietta	c	1013.2	— 1.0	1013.6	— 1.0	23.8	+ 0.3	13.7	0.0	18.8	c	18.6	+ 0.8	c	16.1	+ 0.9	e	76	+ 2
	Port Said (A)	a	1013.0	— 0.4	1013.7	— 0.4	22.2	— 0.1	16.3	+ 0.2	19.2	a	18.8	0.0	a	15 4	— 0.5	a	68	— 4
	El Arish	a	1012.1	— 0.4	1013.3	— 0.4	23.5	0.0	14.0	+ 0.7	18 8	a	18 7	+ 0.5	a	15.2	+ 0.1	a	67	— 3
	Gharza	a	1011.8	—	1013.7	—	22.1	— 1.9	13.2	+ 1.3	17.6	a	18.1	—	a	16.1	—	a	80	—
LOWER EGYPT	El Sirw	—	—	—	—	—	24.5	+ 0.3	13.0	+ 0·8	18.8	c	18.8	+ 0.7	c	15.9	+ 0.5	e	72	— 2
	Shakha	—	—	—	—	—	27.6	+ 0.5	9.6	— 0.8	18.6	c	18.9	+ 1.0	c	15.9	+ 0.7	e	72	— 2
	Mansoura	c	1013.2	— 0.4	1014.6	— 0.4	27.9	+ 0.7	13.0	+ 0.8	20.4	c	19.6	+ 1.2	c	15.8	+ 0.7	e	65	— 3
	Damanhour	c	1013.5	— 0.6	1014.2	— 0.6	26.9	+ 0.6	12.0	— 0.3	19.4	c	18.9	+ 0.9	c	15·6	+ 0.9	e	69	+ 1
	Gimmeiza	c	1013.0	+ 0.3	1014.0	+ 0.3	28.6	+ 1.0	10.8	+ 0.8	19.7	c	19.5	+ 1.6	c	16.4	+ 1.0	e	71	— 5
	Tanta	a	1012.1	— 0.3	1013.3	— 0.4	28.1	+ 0.4	11.3	+ 0.7	19.7	a	18.9	— 0.5	a	14.1	— 1.0	a	56	—12
	Tahrir	a	1011.6	—	1013.8	—	28.5	+ 0.2	12.4	— 0.2	20.4	a	19.7	—	a	14.1	—	a	50	—
	Shebin El Kom	c	1011.2	— 1.7	1013.4	— 1.8	28.9	+ 1.1	11.0	— 0.9	20.0	c	19.6	+ 0.8	c	15.7	+ 0.7	e	64	0
	Zagazig	c	1012.4	— 0.5	1014.0	— 0.5	28.1	+ 0.2	12.8	+ 1.3	20.4	c	20.0	+ 1.1	c	16.0	+ 0.5	e	64	— 4
	Abu Sueir (A)	a	1011.9	—	1013.8	—	29.2	—	13.3	—	21.2	a	20.2	—	a	14.5	—	a	50	—
	Zaher (A)	a	1009.0	—	1012.6	—	29.0	—	13.0	—	21.0	a	20.2	—	a	14·4	—	a	49	—
	Wadi El Natrun	a	1014.3	+ 1.0	1014·4	+ 1 0	30.0	+ 1.2	12.4	0.0	21.2	a	21.1	+ 1.5	a	14.0	— 1.0	a	41	—17
	Inshas (A)	a	1007.4	—	1010.4	—	28.6	—	13.8	—	21.2	a	20.7	—	a	14.2	—	a	45	—
	Fayed (A)	a	1011.7	—	1014.2	—	28·8	—	12.2	—	21.5	a	20.8	—	a	14.4	—	a	46	—
	Kabrit (A)	a	1012,3	—	1013.7	—	28.5	—	14.2	—	21.2	a	20·7	—	a	15.1	—	a	52	—
CAIRO AREA	Cairo (A)	a	1005.7	— 0.3	1013.3	— 0.4	29.0	+ 1.1	14.5	+ 0.7	21.6	a	21.3	+ 0.5	a	14.5	— 0.2	a	43	— 5
	Mostafa Helmi (A)	a	994.4	—	1013.3	—	27.9	—	13.0	—	20.4	a	19.9	—	a	13.3	—	a	43	—
	Almaza (A)	a	1003.9	— 1.1	1013.1	— 1.2	29.0	+ 1.1	14.2	+ 0.7	21.6	a	21.2	+ 0.5	a	13.9	— 0.3	a	39	— 6
	Abbasiya (H.Q.)	a	1011.1	—	1014.2	—	30.0	—	14.5	—	22.2	a	21.7	—	a	15.5	—	a	48	—
	Imbaba (A)	a	1011.6	—	1013.7	—	29.0	—	11.9	—	20.4	a	20.1	—	a	13.7	—	a	45	—
	Giza	a	1010.6	— 0.4	1013.4	— 0.4	29.3	+ 0.8	12.7	+ 1.8	21.0	a	20.8	+ 1·5	a	14.2	— 0.6	a	44	—15
	Helwan	d	999.8	0.0	1013.2	— 0.2	28.2	— 0.2	14.0	— 1.1	21.1	c	20.8	+ 0.3	c	15.0	+ 0.1	e	50	+ 5

a=the 24 hours mean b=8 synoptic hours mean c=4 main synoptic hours mean d=06,12 and 18 U.T. hours mean e=06 and 18 U.T. hours mean

TABLE A 3 (*contd.*)—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

APRIL 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a,b,c,d	Station Pressure (corrected to Hp)		M. S. L. Pressure		Maximum (A)		Minimum (B)		(A + B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a,b,c,d	Mean	Dev. from normal	Deriv. of the mean values a,b,c,d	Mean	Dev. from normal			
UPPER EGYPT	Fayoum	a	1010.3	0.0	1013.3	0.0	30.5	+1.1	13.8	+0.9	22.2	a	22.0	+1.8	a	14.5	0.0	a	39	—11
	Beni Suef	a	1009.4	—0.2	1012.8	—0.2	30.7	+1.0	12.9	+1.1	21.8	a	21.4	+0.7	a	13.6	—0.9	a	36	—11
	Seds	—	—	—	—	—	30.7	+1.7	11.5	—0.1	21.1	c	21.0	+0.9	c	15.9	+0.7	c	56	0
	Minya ... ... (A)	a	1007.8	—0.7	1012.5	—0.8	31.2	+1.0	12.3	+0.6	21.8	a	21.7	+0.5	a	14.3	0.0	a	40	— 2
	Mallawi	—	—	—	—	—	31.7	—	11.6	—	21.6	c	21.3	—	c	15.7	—	c	53	—
	Asyout (Mangabad) ... ... (A)	a	1004.3	—0.2	1012.4	—0.1	31.6	+0.1	15.8	+1.3	23.7	a	24.0	+0.7	a	13.1	—0.3	a	21	— 5
	Shandaweel	—	—	—	—	—	33.4	+0.1	12.9	—0.7	23.2	c	23.1	—0.1	c	16.9	+0.5	c	50	+ 4
	Nag Hammadi	c	1003.2	—1.2	1011.2	—1.4	33.2	+1.2	14.1	+1.0	23.6	c	23.9	+1.9	c	16.5	+1.9	c	43	+ 2
	Kena	d	1003.2	+0.3	1011.6	+0.2	33.8	—1.4	15.7	—0.4	24.8	c	25.3	+0.7	—	—	—	—	—	—
	Luxor ... ... (A)	a	1000.7	—0.2	1010.8	—0.2	33.9	—0.4	14.8	—0.7	24.4	a	25.2	—0.7	a	16.0	+1.2	a	33	+ 9
	Kom Ombo	a	999.2	—	1010.9	—	35.4	—	15.1	—	25.2	a	26.0	—	a	14.2	—	a	20	—
	Aswan ... ... (A)	a	987.8	—1.0	1009.8	—1.2	34.3	—1.2	17.0	—2.0	25.6	a	25.2	—0.2	a	13.0	—2.6	a	13	—13
WESTERN DESERT	Siwa	a	1014.9	—1.3	1013.2	—1.3	29.9	—0.1	12.8	—0.3	21.4	a	21.7	+1.0	a	13.1	+0.3	a	31	— 3
	Bahariya	a	997.4	—2.3	1012.2	—2.4	30.9	+0.6	13.2	+0.6	22.0	a	22.7	+2.1	a	14.0	—0.6	a	33	—16
	Farafra	a	1004.2	+0.4	1014.4	+0.4	31.5	+0.7	13.7	+1.6	22.6	a	23.1	+2.7	a	14.3	+2.7	a	32	+ 5
	Dakhla	a	998.0	—1.4	1010.9	—1.4	32.5	+0.4	11.9	—2.8	22.2	a	23.0	—0.3	a	12.0	—2.2	a	18	—13
	Kharga	a	1003.1	—1.8	1011.3	—1.9	33.9	+0.8	15.0	—0.8	24.4	a	24.3	+0.5	a	13.9	—1.5	a	24	—12
RED SEA	Suez...	c	1012.1	—0.4	1013.3	—0.4	28.7	+0.4	14.0	—0.6	21.4	c	21.6	+1.1	c	17.4	+1.6	c	64	+ 6
	Tor	a	1010.8	—0.6	1011.2	—0.6	28.0	+0.2	16.7	+0.6	22.4	a	22.2	+0.6	a	16.2	+0.5	a	51	— 8
	Hurghada	a	1011.2	+0.5	1011.4	+0.5	27.5	+1.7	16.1	+0.2	21.8	a	22.2	0.0	a	15.0	—1.3	a	42	— 9
	Quseir	a	1009.6	—1.3	1010.6	—1.3	26.7	—0.6	19.5	0.0	23.1	a	23.3	0.0	a	16.2	—1.1	a	44	— 8
	Abul Kizan	c	1010.5	—	1011.0	—	26.9	—0.4	22.3	—0.1	24.6	c	24.2	—0.3	c	21.0	—0.6	c	74	— 2

a=the 24 hours mean. b=8 synoptic hours mean. c=4 main synoptic hours mean. d=06·12 & 18 U.T. hours mean. e=06 & 18 U.T. hours mean.

TABLE A 4.—MAXIMUM AND MINIMUM AIR TEMPERATURES

APRIL 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
MEDITERRANEAN	Sallum	38.9	24	17.4	1	8	4	3	0	0	20.3	10	10.0	8	0	0	0	0
	Sidi Barrani	39.0	30	16.9	1	5	3	3	0	0	17.2	10	6.5	1	7	0	0	0
	Mersa Matruh (A)	36.7	24	17.6	1	7	3	1	0	0	17.5	10	7.8	19	6	0	0	0
	Dabaa	35.6	24	18.9	1	7	2	1	0	0	16.6	25	8.0	9	6	0	0	0
	Dekheila (A)	35.6	24	18.9	1	7	1	1	0	0	17.8	25	7.6	9	1	0	0	0
	Alexandria (A)	35.4	24	20.2	1	11	3	1	0	0	17.0	26	8.5	9	2	0	0	0
	Balteam	33.0	25	19.7	2	9	1	0	0	0	16.8	25	9.2	2	1	0	0	0
	Damietta	37.6	25	18.0	1	10	3	1	0	0	19.1	25	8.4	1	1	0	0	0
	Port Said (A)	37.4	25	18.0	2	3	2	1	0	0	19.7	25	11.9	1	0	0	0	0
	El Arish	38.3	25	18.7	2	6	2	2	0	0	17.0	11,26	9.8	2	1	0	0	0
	Ghazza	36.2	11	18.0	2	3	2	1	0	0	18.8	11	8.5	2	1	0	0	0
LOWER EGYPT	El Sirw	39.0	25	19.0	2,3	8	3	1	0	0	17.5	11,25	7.0	1	3	0	0	0
	Sakha	40.3	25	21.0	1	20	7	1	1	0	15.4	25	4.0	9	16	1	0	0
	Mansoura	39.0	25	21.6	2	22	8	1	0	0	17.5	11	9.0	1	2	0	0	0
	Damanhour	38.6	25	21.4	1	15	7	1	0	0	18.8	25	8.3	1	4	0	0	0
	Gimmeiza	39.0	25	22.0	1	26	8	1	0	0	17.0	25	8.0	*	9	0	0	0
	Tanta	39.6	25	21.9	2	24	8	1	0	0	17.1	25	6.3	2	4	0	0	0
	Tahrir	40.0	25	22.2	2	26	9	1	0	0	18.0	11	8.0	2	2	0	0	0
	Shebin El Kom	38.3	25	22.5	2	25	10	2	0	0	16.5	25	6.2	3	6	0	0	0
	Zagazig	39.2	25	21.5	2	23	2	1	0	0	18.8	11	7.7	1	2	0	0	0
	Abu Sueir (A)	40.4	25	22.5	1	26	9	2	1	0	20.4	25	6.6	1	2	0	0	0
	Zaher (A)	40.4	25	22.6	1	24	11	3	1	0	19.0	11	7.5	2	2	0	0	0
	Wadi El Natrun	41.2	25	24.2	1	26	12	4	1	0	20.0	11	6.9	1	3	0	0	0
	Inshas (A)	39.5	25	21.7	2	25	10	3	0	0	19.6	11	7.9	2	2	0	0	0
	Fayed (A)	39.7	25	23.2	1	28	9	1	0	0	20.6	11	6.5	2	4	0	0	0
	Kabrit (A)	39.8	25	22.0	1	24	11	1	0	0	20.3	11	7.4	1	2	0	0	0
CAIRO AREA	Cairo (A)	39.5	25	22.2	1	24	12	1	0	0	20.8	11	9.4	1	1	0	0	0
	Mostafa Helmi (A)	38.5	25	20.8	1	21	8	2	0	0	19.2	11	7.5	1	3	0	0	0
	Almaza (A)	39.9	25	21.7	1	25	12	2	0	0	20.9	11	8.2	1	2	0	0	0
	Abbasiya (H.Q.)	39.8	25	23.0	1	29	12	2	0	0	21.2	11	8.5	1	2	0	0	0
	Imbaba (A)	39.6	25	21.4	1	26	12	2	0	0	18.8	11	5.6	2	4	0	0	0
	Giza	39.5	25	21.8	1	26	12	2	0	0	20.2	11	6.5	1	5	0	0	0
	Helwan	38.5	25	20.6	26	22	11	2	0	0	25.0	11	8.8	1	1	0	0	0

TABLE A 4 (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES,

APRIL 1961

District	Station.	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
UPPER EGYPT	Fayoum	40.1	25	23.5	1	28	14	4	1	0	19.5	10	8.2	1	2	0	0	0
	Bani Suef	40.2	25	22.4	1	27	15	5	1	0	21.6	11	6.4	1	2	0	0	0
	Seds	39.2	25	24.2	1	29	18	5	0	0	18.3	11	4.8	1	5	1	0	0
	Minya (A)	39.0	25	24.0	1	28	17	3	0	0	17.7	11	7.0	1	6	0	0	0
	Mallawi	39.2	25	24.5	1·6	28	20	7	0	0	19.5	11	4.8	1	8	1	0	0
	Asyout (Mangabad) (A)	39.8	11	24.7	1·6	28	18	7	0	0	23.7	11	7.9	1	1	0	0	0
	Shandaweel	41.3	26	28.2	1·6	30	23	11	1	0	17.0	12.14	7.5	1	5	0	0	0
	Nag Hammadi	39.1	26	27.0	1·6	30	23	11	0	0	20.0	12	7.7	1	1	0	0	0
	Kena	40.0	26	28.0	1	30	26	11	0	0	21.4	27	8.9	1	1	0	0	0
	Luxor (A)	40.5	25·26	27.4	6	30	23	13	2	0	20.6	12	8.6	9	4	0	0	0
	Kom Ombo	41.6	12	27.9	1	30	27	17	4	0	22.8	13	9.8	8	1	0	0	0
	Aswan (A)	40.6	12·26	26.1	1	30	24	15	3	0	24.2	13	11.2	1	0	0	0	0
WESTERN DESERT	Siwa	39.0	24	23.5	1	27	14	4	0	0	21.6	25	7.1	1	5	0	0	0
	Bahariya	40.0	25	24.6	1	27	16	6	0	0	22.7	11	5.9	1	4	0	0	0
	Farafra	40.0	25	23.3	1	28	17	5	0	0	22.3	11	6.3	1	2	0	0	0
	Dakhla	41.1	11	25.1	1	30	21	8	1	0	17.8	27	4.9	1	8	1	0	0
	Kharga	42.2	26	25.5	1	29	24	13	3	0	20.6	12	8.0	8	3	0	0	0
RED SEA	Suez	34.6	25	21.8	1	28	10	0	0	0	18.9	11	7.7	1	2	0	0	0
	Tor	34.2	26	21.2	1	25	9	0	0	0	22.1	12	10.2	2	0	0	0	0
	Hurghada	32.3	26	21.6	1	25	4	0	0	0	21.6	27	11.6	1	0	0	0	0
	Quseir	33.4	26	21.8	1	26	1	0	0	0	23.9	28	14.8	1	0	0	0	0
	Abul Kizan	30.4	27	22.8	1	26	1	0	0	0	24.5	27	19.8	1	0	0	0	0

* = More than three days

TABLE A 5.—RAINFALL AND SNOW DEPTH

APRIL 1961

District	Station	Rainfall (millimetres)											Snow dep (centimet	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Da
				Amount	Date	<0.1	≥0.1	≥1.0	≥5.0	10	≥25	≥50		
MEDITERRANEAN	Sallum	0.0	— 1.6	0.0	—	0	0	0	0	0	0	0	0.0	—
	Sidi Barrani	0.0	— 2.9	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mersa Matruh... ... ... (A)	tr.	— 2.8	tr.	2	1	0	0	0	0	0	0	0.0	—
	Dabaa	0.0	— 2.6	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dekheila ... ... (A)	0.0	— 4.8	0.0	—	0	0	0	0	0	0	0	0.0	—
	Alexandria ... ... (A)	0.0	— 3.5	0.0	—	0	0	0	0	0	0	0	0.0	—
	Balteam..	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Damietta	tr.	— 2.6	tr.	3	1	0	0	0	0	0	0	0.0	—
	Port Said ... ... (A)	0.0	— 1.7	0.0	—	0	0	0	0	0	0	0	0.0	—
	El Arish	0.0	— 6.2	0.0	—	0	0	0	0	0	0	0	0.0	—
	Ghazza	0.3	—16.7	0.3	4	0	1	0	0	0	0	0	0.0	—
	Ras El Hikma	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Fuka	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Hammam	0.0	— 2.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Borg El Arab	0.0	— 2.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mex...	0.0	— 3.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolombat El Tabia	0.0	— 1.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kom El Tarfaia	0.0	— 2.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Rosetta L.H.	0.0	— 3.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Boroilos L.H.	tr.	— 5.0	tr.	1·2	2	0	0	0	0	0	0	0.0	—
	Damietta L.H.	0.0	— 3.0	0.0	—	0	0	0	0	0	0	0	0.0	—
LOWER EGYPT	El Sirw	0.0	— 3.5	0.0	—	0	0	0	0	0	0	0	0.0	—
	Sakha	0.0	— 2.8	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mansoura	tr.	— 2.1	tr.	13	1	0	0	0	0	0	0	0.0	—
	Damanhour	0.0	— 1.4	0.0	—	0	0	0	0	0	0	0	0.0	—
	Gimmeiza	0.0	— 1.5	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tanta	0.0	— 2.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tahrir	tr.	— 0.1	tr.	11	1	0	0	0	0	0	0	0.0	—
	Shebin El Kom	0.0	— 1.2	0.0	—	0	0	0	0	0	0	0	0.0	—
	Zagazig	0.0	— 2.4	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abu Sueir ... ... (A)	tr.	—	tr.	7	1	0	0	0	0	0	0	0.0	—
	Banha	0.0	— 0.7	0.0	—	0	0	0	0	0	0	0	0.0	—
	Zaher ... ... (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Wadi El Natrun	tr.	0.0	tr.	2	1	0	0	0	0	0	0	0.0	—
	Inshas ... ... (A)	0.2	—	0.2	7	0	1	0	0	0	0	0	0.0	—
	Fayed ... ... (A)	tr.	—	tr.	7	1	0	0	0	0	0	0	0.0	—
	Kabrit ... ... (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Delta Barrage	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolombat El Boseili	0.0	— 3.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Dawar	0.0	— 3.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Sheikh	0.0	— 2.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Zayat	0.0	— 2.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Faqus	0.0	— 3.0	0.0	—	0	0	0	0	0	0	0	0.0	—
CAIRO AREA	Cairo ... ... (A)	0.0	— 0.8	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mostafa Helmi ... ... (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Almaza ... ... (A)	0.0	— 0.6	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abbasiya (H.Q.) ...	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Imbaba ... ... (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Giza	0.0	— 0.7	0.0	—	0	0	0	0	0	0	0	0.0	—
	Helwan	0.0	— 0.9	0.0	—	0	0	0	0	0	0	0	0.0	—

TABLE A 5 (*contd.*)—RAINFALL AND SNOW DEPTH.

APRIL 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	< 0.1	≥ 0.1	≥ 1.0	≥ 5.0	≥ 10	≥ 25	≥ 50		
UPPER EGYPT	Fayoum	tr	—1.0	tr	11	1	0	0	0	0	0	0	0·0	—
	Beni Suef	tr	—1.3	tr	12	1	0	0	0	0	0	0	0.0	—
	Seds	5.0	+3.7	5.0	12	0	1	1	1	0	0	0	0.0	—
	Minya ... ... (A)	tr	—0.7	tr	12	1	0	0	0	0	0	0	0.0	—
	Maliawi	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Asyout (Mangabad) ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Shandaweel	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Nag Hammadi	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kena	0.0	—tr	0.0	—	0	0	0	0	0	0	0	0.0	—
	Luxor ... ... (A)	0.0	—0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kom Ombo	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Aswan ... ... (A)	tr	—0.3	tr	14	1	0	0	0	0	0	0	0.0	—
WESTERN DESERT	Siwa	tr	—0.9	tr	1·2	2	0	0	0	0	0	0	0.0	—
	Bahariya	0.0	—0.7	0.0	—	0	0	0	0	0	0	0	0.0	—
	Farafra	tr	0.0	tr	12	1	0	0	0	0	0	0	0.0	—
	Dakhla	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kharga	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0·0	—
RED SEA	Suez...	tr	—1.2	tr	12	1	0	0	0	0	0	0	0.0	—
	Tor	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Hurghada	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Quseir	0.0	—0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abul Kizan	0.0	—0.2	0.0	—	0	0	0	0	0	0	0	0.0	—

TABLE A6.—BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT & BLACK BULB TEMPERATURES AND GRASS MINIMUM

APRIL 1961

District	Station	Duration of bright sunshine (hours)			Mean sky cover (oktas)								Mean daily evaporation Piche (millimetres)	Mean Maximum temp. °(C) of		Mean Grass minimum (°C)
		Total actual	Total possible	Percentage %	0000 U.T.		0600 U.T.		1200 U.T.		1800 U.T.			Black bulb thermometer	Bright bulb thermometer	
					Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal				
MEDITERRANEAN	Sallum	—	—	—	1.8	—	2.7	—	2.9	—	2.9	—	9.7	—	—	13.8
	Sidi Barrani	—	—	—	—	—	2.7	—	2.9	—	2.5	—	7.0	—	—	—
	Mersa Matruh (A)	302.3	388.8	77.8	2.5	—	5.1	—	2.7	—	3.5	—	7.5	—	—	—
	Dabaa	—	—	—	—	—	2.4	—	1.8	—	2.0	—	2.8	—	—	—
	Dekheila (A)	—	—	—	2.2	—	3.3	—	2.3	—	2.0	—	5.3	—	—	—
	Alexandria (A)	320.6	388.2	82.6	3.3	—	3.9	—	3.2	—	2.9	—	4.2	—	—	—
	Balteam	—	—	—	—	—	3.3	—	3.3	—	2.1	—	4.2	—	—	—
	Damietta	—	—	—	—	—	3.3	—	2.2	—	0.9	—	3.8	—	—	—
	Port Said (A)	266.6	388.2	68.7	1.5	—	2.3	—	1.8	—	1.3	—	4.8	—	—	—
	El Arish	—	—	—	3.4	—	3.4	—	2.1	—	2.4	—	3.5	—	—	—
	Ghazza	306.3	388.8	78.8	3.4	—	2.9	—	2.6	—	2.1	—	4.4	—	—	—
LOWER EGYPT	El Sirw	—	—	—	—	—	2.7	—	2.4	—	0.7	—	3.8	—	—	—
	Sakha	—	—	—	—	—	1.8	—	1.7	—	0.7	—	6.4	—	—	8.3
	Mansoura	—	—	—	—	—	2.5	—	3.2	—	0.6	—	5.0	—	—	—
	Damanhour	—	—	—	—	—	2.7	—	2.5	—	1.5	—	4.2	—	—	—
	Gimmeiza	306.9	387.6	79.2	—	—	2.3	—	2.7	—	0.0	—	5.6	—	—	—
	Tanta	320.0	387.8	82.5	—	—	2.0	—	2.5	—	0.9	—	6.5	63	40	—
	Tahrir	329.1	387.7	84.9	—	—	2.6	—	2.9	—	1.4	—	9.1	—	—	11.0
	Shebin El Kom	—	—	—	—	—	1.6	—	2.2	—	0.2	—	4.2	—	—	—
	Zagazig	308.7	387.6	79.6	—	—	3.6	—	4.5	—	0.6	—	5.1	—	—	—
	Abu Sueir (A)	—	—	—	1.3	—	2.5	—	2.9	—	1.1	—	11.3	71	—	12.4
	Zaher (A)	—	—	—	—	—	3.6	—	3.2	—	0.9	—	10.5	—	—	—
	Wadi El Natrun	—	—	—	—	—	2.3	—	2.5	—	0.6	—	7.7	—	—	—
	Inshas (A)	—	—	—	—	—	4.0	—	2.9	—	1.0	—	10.3	—	—	—
	Fayed (A)	—	—	—	—	—	2.4	—	2.8	—	1.5	—	13.2	—	—	—
	Kabrit (A)	—	—	—	—	—	2.9	—	2.7	—	0.9	—	11.9	—	—	—
CAIRO AREA	Cairo (A)	—	—	—	1.2	—	2.9	—	3.0	—	1.2	—	12.8	—	—	—
	Mostafa Helmi (A)	—	—	—	1.1	—	3.1	—	3.2	—	0.9	—	12.0	—	—	—
	Almaza (A)	296.1	387.2	76.5	0.8	—	3.3	—	3.1	—	1.3	—	10.2	—	—	—
	Abbasiya (H.Q.)	299.4	387.2	77.3	0.9	—	3.2	—	2.5	—	1.3	—	7.1	71	44	—
	Imbaba (A)	—	—	—	—	—	3.1	—	2.8	—	—	—	8.9	—	—	—
	Giza	292.1	387.2	75.4	—	—	2.9	—	2.6	—	0.6	—	8.6	—	—	7.9
	Helwan	(242.9)	(347.6)	69.6	—	—	2.2	—	1.9	—	0.8	—	11.7	—	—	—
UPPER EGYPT	Fayoum	—	—	—	—	—	2.0	—	1.9	—	0.5	—	8.4	—	—	—
	Beni Suof	—	—	—	—	—	1.9	—	1.6	—	0.4	—	6.4	—	—	10.7
	Seds	—	—	—	—	—	0.7	—	0.7	—	0.0	—	5.9	—	—	4.3
	Minya (A)	—	—	—	0.4	—	1.3	—	1.2	—	0.8	—	9.4	66	41	9.3
	Mallawi	—	—	—	—	—	1.1	—	0.7	—	0.6	—	6.2	—	—	9.1
	Asyout (Mangabad) (A)	—	—	—	0.1	—	1.2	—	1.1	—	0.9	—	16.7	73	47	14.0
	Shandaweel	(270.7)	(349.4)	77.5	—	—	0.4	—	0.7	—	0.0	—	7.3	—	—	7.5
	Nag Hammadi	—	—	—	—	—	0.1	—	0.5	—	0.3	—	11.4	—	—	13.6
	Kena	—	—	—	—	—	1.2	—	1.3	—	1.0	—	9.0	—	—	12.5
	Luxor (A)	—	—	—	0.4	—	1.4	—	1.5	—	1.0	—	10.3	69	47	11.5
	Kom Ombo	—	—	—	—	—	1.3	—	1.9	—	1.5	—	13.0	—	—	10.2
	Aswan (A)	—	—	—	1.6	—	1.7	—	2.3	—	1.7	—	17.5	—	—	—
WESTERN DESERT	Siwa	—	—	—	0.4	—	1.5	—	1.8	—	1.3	—	12.3	75	45	10.5
	Bahariya	—	—	—	0.4	—	1.7	—	1.3	—	0.9	—	9.8	—	—	—
	Farafra	—	—	—	0.1	—	1.0	—	0.8	—	0.4	—	16.2	—	—	—
	Dakhla	—	—	—	0.7	—	1.4	—	1.4	—	1.3	—	16.1	—	48	8.3
	Kharga	—	—	—	0.4	—	1.4	—	1.6	—	1.2	—	11.2	—	—	11.7
RED SEA	Suez	—	—	—	—	—	2.3	—	2.4	—	0.6	—	7.0	—	—	—
	Tor	—	—	—	0.5	—	1.3	—	2.3	—	1.3	—	8.0	—	—	—
	Hurghada	—	—	—	1.3	—	1.4	—	1.9	—	1.4	—	16.6	—	—	—
	Quseir	—	—	—	0.9	—	1.6	—	2.0	—	1.5	—	14.6	—	—	—
	Abul Kizan	—	—	—	—	—	1.5	—	1.3	—	1.6	—	3.5	—	—	—

Note : Actual number of sunshine records was 27 days at Helwan and Shandaweel.

TABLE A 7.—SOIL TEMPERATURES (°C) AT FIXED HOURS

APRIL 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
MEDITERRANEAN	Mersa Matruh... (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	20.9	23.7	30	18.0	1	20.7	23.3	30	17.7	1	20.5	23.2	28	17.4	1	21.0	23.8	29	18.0	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	22.8	25.0	27	20.1	1	22.9	25.0	26	20.1	1	22.8	25.0	30	20.1	1	22.9	24.9	24	20.1	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LOWER EGYPT	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	17.0	21.5	28,29,30	14.5	1	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	17.0	21.8	28,29,30	14.5	1	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeina ...	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	25.5	30.0	25	20.5	2,3	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	22.4	24.5	*	20.5	*	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	19.1	22.7	25	14.3	1	26.1	30.5	25	20.1	2	24.1	2[illegible].1	25	19.0	2
		10	—	—	—	—	—	21.6	25.0	26	17.1	1	24.8	28.3	24,25	19.7	2	25.1	28.8	25	20.0	2
		20	—	—	—	—	—	22.1	25.0	27	18.0	1	22.3	25.2	27	18.2	1	23.1	26.1	26	19.3	2
		50	—	—	—	—	—	23.2	25.7	27	20.3	1	23.1	25.7	27	20.2	1	23.1	25.8	27	20.2	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS

APRIL 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
LOWER EGYPT (*contd.*)	Tahrir	5	—	—	—	—	—	19.7	24.9	25	14.6	1·2	35.7	42.3	24	26.3	2	24.4	29.4	24	19.3	2
		10	—	—	—	—	—	19.2	23.3	25	14.3	1	30.1	35.1	25	22.7	2	26.5	31·4	25	20.9	2
		20	—	—	—	—	—	21.2	24.8	26	16.3	1	24.4	28.0	25	19.4	2	25.4	30.0	25	21.1	2
		50	—	—	—	—	—	23.0	25.9	26	19.4	1	22.6	25.4	26	18.8	1	23.0	25.6	26	19.4	1
		100	—	—	—	—	—	21.9	24.0	28,29,30	19.8	2·4	—	—	—	—	—	22.0	24.1	30	19.8	3
		200	—	—	—	—	—	21.1	22.2	29.30	20.3	2	—	—	—	—	—	21.1	22.3	30	20.3	1
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	23.1	26.0	*	20.0	7	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	21.8	24.0	24,25,27	19.5	7	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	20.8	22.5	25·27	19.0	7·8	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CAIRO AREA	Giza	5	—	—	—	—	—	21.0	24.7	25	15.3	1	34.3	39.1	25	26.9	2	27.5	32.7	25	22.4	2
		10	—	—	—	—	—	21.9	25.4	26	16.6	1	27.6	31.2	25	22.4	2	24.6	32.0	25	22.8	2
		20	—	—	—	—	—	24.1	27.0	26	19.9	1	24.3	27.1	26	20.3	1	25.6	28.3	25	21.6	2
		50	—	—	—	—	—	23.9	26.4	30	21.3	1·2	23.9	25.3	30	21.2	1	23.9	26.3	30	21.1	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
UPPER EGYPT	Seds ...	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	20.0	21.7	29	18.5	7	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya ... (A)	5	23.1	27.5	26	18.0	2	20.7	27.2	19	16.0	1·2	30.7	35.0	25	24.8	2	27.7	32.0	25	22.4	1
		10	25.3	29.2	29	20.0	1	22.9	26.0	26	18.1	1	27.1	29.5	21·25	21.7	2	27.5	31.0	25	22.7	2
		20	24.8	27.5	26	20.8	1	23.9	26.1	17	19.0	1	24.8	28.7	30	21.7	1	25.3	29.4	25	21.5	6
		50	24.7	27.0	26	22.0	2	24.5	26.5	26	22.0	2	24.5	26.4	26	21.8	1	24.7	26.5	26	22.0	1·2
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* = More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS

APRIL 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
UPPER EGYPT (*contd.*)	Mallawi ...	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	20.4	22.5	28,29,30	18.0	1·2·3	20.4	22.5	*	18.0	1·2	20.4	22.5	*	18.0	1·2
		100	—	—	—	—	—	19.5	21.2	28,29,30	17.8	1·2	19.5	21.2	28,29,30	17.8	1·2	19.6	21.2	*	17.8	1·2
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel	5	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	26.4	29.9	27	23.0	5	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	24.1	26.0	28	22.3	1	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kome Ombo ..	5	—	—	—	—	—	28·7	36.5	27	19.2	1	39.8	47.8	28	26·0	3	27.4	32.1	12	22.6	8
		10	—	—	—	—	—	27·4	33.4	27	19.4	1	38.2	45.0	26	26.5	3	27.6	32.3	12	22.5	6
		20	—	—	—	—	—	26.8	31.2	27	21.5	1	35.3	40.1	4	27.7	7	27.4	30.6	26·27	23·5	6
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* = More than three days.

TABLE A 8.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

APRIL 1961

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres.	Dust rising/Sand rising vis. ≥ 1000 metres	Dustsorm/Sandstorm vis. < 1000 metres.	Drifting snow: Slight/moderate vis. below eye level ≥ 1000 metres	Drifting snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing snow: Slight/moderate vis. below eye level ≥ 1000 metres	Blowing snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear Sky	Cloudy Sky
MEDITERRANEAN	Sallum	0	0	0	0	0	0	1	0	2	0	2	1	0	0	0	0	1	17	2
	Sidi Barrani	0	0	0	0	0	0	3	0	0	0	1	1	0	0	0	0	1	—	—
	Mersa Matruh ... ... (A)	0	0	0	0	0	0	1	2	0	0	0	1	0	0	0	0	1	10	2
	Dabaa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Dekheila ... ... (A)	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	13	1
	Alexandria ... ... (A)	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	8	1
	Balteam	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	—	—
	Damietta ... ... (A)	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Port Said ... ... (A)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	14	0
	El Arish	0	0	0	0	0	0	4	0	2	0	1	0	0	0	0	0	0	9	0
	Ghazza	1	0	0	0	0	0	3	2	1	0	1	0	0	0	0	0	0	12	0
LOWER EGYPT	El Sirw	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Damanhour	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	0	0	0	0	0	0	7	1	0	0	1	1	0	0	0	0	0	—	—
	Shebin El Kom	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Zagazig..	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir ... ... (A)	0	0	0	0	0	1	4	0	1	0	3	2	0	0	0	0	2	16	0
	Zaher ... . (A)	0	0	0	0	0	0	4	0	1	0	1	0	0	0	0	0	1	—	—
	Wadi El Natrun...	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	—	—
	Inshas ... ... (A)	1	0	0	0	0	0	3	1	5	0	2	1	0	0	0	0	0	—	—
	Fayed ... ... (A)	0	0	0	0	0	1	1	0	0	0	0	2	0	0	0	0	1	—	—
	Kabrit ... ... (A)	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	—	—
CAIRO AREA	Cairo ... ... (A)	0	0	0	0	0	0	9	1	6	0	2	0	0	0	0	0	0	13	0
	Mostafa Helmi ... ... (A)	0	0	0	0	0	0	8	2	9	0	3	2	0	0	0	0	1	15	0
	Almaza ... ... (A)	0	0	0	0	0	0	2	1	10	0	2	0	0	0	0	0	0	13	0
	Abbasiya ... ... (HQ)	0	0	0	0	0	0	6	0	3	0	2	0	0	0	0	0	0	15	0
	Imbaba ... ... (A)	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	—	—
	Giza	0	0	0	0	0	0	2	0	2	0	2	0	0	0	0	0	0	—	—
	Helwan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 8 (*contd.*)—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

APRIL 1961

District	Station	Precipitation				Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres	Dust rising/Sand rising vis. ≥ 1000 metres	Duststorm/Sandstorm vis. < 1000 metres.	Drifting snow		Blowing snow		Gales	Clear Sky	Cloudy Sky
		Rain	Snow	Ice pellets	Hail									Slight/moderate vis. below eye level 1000 metres ≥	Heavy vis. below eye level < 1000 metres (snow storm)	Slight/moderate vis. below eye level 1000 metres ≥	Heavy vis. below eye level < 1000 metres (snow storm)			
Upper Egypt	Fayoum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Beni Suef	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Seds	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya ... ... (A)	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	26	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad) ... ... (A)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	25	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor ... ... (A)	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	23	0
	Kom Ombo	0	0	0	0	0	0	1	0	1	0	2	1	0	0	0	0	0	—	—
	Aswan ... ... (A)	0	0	0	0	0	0	0	0	1	0	0	4	0	0	0	0	0	20	1
Western Desert	Siwa	0	0	0	0	0	0	0	0	2	0	1	1	0	0	0	0	0	22	1
	Bahariya	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	24	0
	Farafra	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	24	0
	Kharga	0	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0	24	1
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	22	1
	Hurghada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	23	2
	Quseir	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	0	21	0
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

APRIL 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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	8	0	159	1-10	31	17	14	14	20	19	8	17	11	11	21	64	247
					11-27	13	5	19	30	21	5	27	7	7	11	24	131	300
					28-47	0	0	0	0	0	0	4	2	0	0	0	0	6
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	44	22	33	44	41	24	39	26	18	22	45	195	553
	Mersa Matruh (A)	18	0	2	1-10	39	36	13	15	35	31	5	11	33	88	23	38	367
					11-27	19	14	17	24	42	20	10	13	9	16	44	100	328
					28-47	0	0	0	0	0	0	1	3	1	0	0	0	5
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	58	50	30	39	77	51	16	27	43	104	67	138	700
	Dekheila (A)	6	0	0	1-10	158	93	46	49	23	31	12	7	11	21	52	61	564
					11-27	51	21	6	15	12	10	6	4	3	2	6	14	150
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	209	114	52	64	35	41	18	11	14	23	58	75	714
	Alexandria ... (A)	7	0	6	1-10	54	54	28	26	51	29	6	5	8	16	33	59	369
					11-27	68	41	11	20	12	6	6	4	3	18	66	83	338
					28-47	0	0	0	0	0	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	95	39	46	63	35	12	9	11	34	99	142	707
	Port Said ... (A)	3	1	0	1-10	85	52	23	16	14	15	5	7	9	17	19	56	318
					11-27	115	47	61	37	12	11	7	5	3	19	23	58	398
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	200	99	84	53	26	26	12	12	12	36	42	114	716
	El Arish	44	0	0	1-10	66	93	41	18	25	85	26	32	54	26	68	101	635
					11-27	0	0	0	0	0	1	4	1	1	4	29	1	41
					28-47	0	0	0	0	0	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	93	41	18	25	86	30	33	55	30	97	102	676
Lower Egypt	Tanta	46	1	0	1-10	27	85	62	61	17	12	8	45	67	84	101	84	653
					11-27	1	0	0	0	0	0	3	0	1	3	4	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	28	85	62	61	17	12	11	45	68	87	105	92	673
	Zaher .. (A)	18	7	0	1-10	60	78	50	32	23	24	4	13	41	56	58	73	512
					11-27	29	35	28	9	14	18	4	6	6	6	11	13	179
					28-47	0	0	0	0	0	0	0	1	3	0	0	0	4
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	89	113	78	41	37	42	8	20	50	62	69	86	695
Cairo Area	Cairo .. .. (A)	67	0	23	1-10	39	48	37	8	10	4	12	2	13	16	45	89	323
					11-27	34	60	75	16	22	11	0	9	4	7	14	54	306
					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	73	108	112	24	32	15	12	12	17	23	59	143	630
	Mostafa Helmi (A)	0	7	12	1-10	43	66	52	10	29	11	14	7	11	6	41	49	339
					11-27	49	106	95	31	6	6	13	12	1	3	6	29	357
					28-47	0	0	0	0	0	0	0	3	2	0	0	0	5
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All Speeds	92	172	147	41	35	17	27	22	14	9	47	78	701

TABLE A 9 (*contd*).— NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

APRIL 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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
CAIRO AREA (*contd.*)	Almaza ... .. (A)	0	3	2	1-10	70	116	177	19	18	11	7	9	15	23	57	43	565
					11-27	7	28	49	14	14	10	12	9	3	2	2	0	150
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	77	144	226	33	32	21	19	18	18	25	59	43	715
	Abbasiya (H.Q) ..	51	1	0	1-10	157	149	57	15	14	18	15	15	22	37	60	99	658
					11-27	0	0	0	0	0	2	0	7	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	157	149	57	15	14	20	15	22	22	37	60	100	668
	Giza	56	0	7	1-10	194	97	22	3	12	32	12	3	7	11	66	150	609
					11-27	17	9	0	0	0	1	7	4	1	1	2	6	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	211	106	22	3	12	33	19	7	8	12	68	156	657
UPPER EGYPT	Minya ... ... (A)	33	2	0	1-10	190	66	10	5	6	34	20	10	14	14	18	85	472
					11-27	97	73	0	0	0	2	12	3	0	1	9	16	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	287	139	10	5	6	36	32	13	14	15	27	101	685
	Luxor .. .. (A)	77	6	22	1-10	101	59	33	18	12	23	37	36	35	19	37	158	568
					11-27	4	1	7	2	0	0	1	1	1	1	1	28	47
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	105	60	40	20	12	23	38	37	36	20	38	186	615
WESTERN DESERT	Siwa	57	5	0	1-10	30	37	36	57	52	37	26	13	13	35	46	51	433
					11-27	15	26	5	7	26	23	7	14	8	8	21	62	222
					28-47	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
					All speeds	45	63	41	64	78	60	33	29	22	43	67	113	658
	Dakhla	5	25	0	1-10	39	40	35	53	25	18	28	20	37	61	122	111	589
					11-27	18	0	2	0	0	3	12	0	0	0	8	58	101
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	57	40	37	53	25	21	40	20	37	61	130	169	690
RED SEA	Hurghada	11	0	0	1-10	23	36	17	13	10	20	9	2	6	11	42	40	229
					11-27	140	20	6	1	19	12	0	0	0	4	96	140	438
					28-47	13	0	0	0	0	0	0	0	0	0	1	29	42
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	176	56	23	14	29	32	9	2	6	15	138	209	709

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SALLUM — APRIL 1931

Hour (U.T.)	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	2	0	1	1	1	0	1	0	0	1	2	1	10
				11-27	0	0	0	0	0	1	1	0	0	1	3	2	8
				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	**2**	**0**	**1**	**1**	**1**	**1**	**2**	**0**	**0**	**2**	**5**	**4**	**19**
0300	11	0	0	1-10	1	0	1	0	0	1	1	0	1	2	1	3	11
				11-27	0	0	0	0	0	0	2	0	1	1	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	**1**	**0**	**1**	**0**	**0**	**1**	**3**	**0**	**2**	**3**	**2**	**6**	**19**
0600	13	0	0	1-10	1	0	1	0	0	0	1	0	0	0	2	3	8
				11-27	0	1	0	0	0	0	1	0	2	2	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	**1**	**1**	**1**	**0**	**0**	**0**	**2**	**0**	**2**	**2**	**3**	**5**	**17**
0900	5	0	0	1-10	1	3	2	6	0	0	0	0	0	0	0	2	14
				11-27	0	4	0	0	0	0	2	0	2	3	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**	**7**	**2**	**6**	**0**	**0**	**2**	**0**	**2**	**3**	**0**	**2**	**25**
1200	0	0	0	1-10	2	4	1	6	0	0	0	0	1	0	0	1	15
				11-27	4	6	0	0	0	0	0	0	1	1	2	0	14
				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	**6**	**10**	**1**	**6**	**0**	**0**	**1**	**0**	**2**	**1**	**2**	**1**	**30**
1500	1	0	0	1-10	1	2	3	4	0	0	0	0	0	0	0	1	11
				11-27	7	5	1	1	0	0	0	1	1	1	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	**8**	**7**	**4**	**5**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**2**	**29**
1800	10	0	0	1-10	4	2	1	1	0	0	0	0	0	0	0	1	9
				11-27	3	1	0	1	0	0	1	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	**7**	**3**	**1**	**3**	**0**	**0**	**1**	**0**	**0**	**0**	**1**	**4**	**20**
2100	11	0	0	1-10	3	2	0	4	0	1	1	1	0	3	0	1	16
				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	**4**	**3**	**0**	**4**	**0**	**1**	**1**	**1**	**0**	**3**	**0**	**2**	**19**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MERSA MATRUH (A) — APRIL 1961

Hour (U.T.)	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	1	0	0	2	2	0	1	0	10	1	1	19
				11–27	0	0	0	1	2	0	0	1	0	1	0	2	7
				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	1	1	0	1	4	2	0	3	0	11	1	3	27
0300	1	0	0	1–10	0	1	0	0	1	2	0	1	7	7	0	1	20
				11–27	0	0	0	2	1	1	0	0	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	0	1	0	2	2	3	0	1	8	10	0	2	29
0600	2	0	0	1–10	0	0	0	0	3	1	0	0	3	7	2	2	18
				11–27	0	1	0	1	1	2	0	0	1	0	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	0	1	0	1	4	3	0	0	4	7	4	4	28
0900	0	0	0	1–10	0	3	0	1	0	0	1	0	0	0	0	1	12
				11–27	1	0	0	3	1	1	0	0	1	0	2	8	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	1	3	0	4	1	1	1	1	1	0	2	9	30
1200	0	0	0	1–10	2	1	1	0	0	0	0	0	0	0	0	2	6
				11–27	5	2	2	3	0	0	2	1	0	0	1	8	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	7	3	3	3	0	0	2	1	0	0	1	10	30
1500	0	0	0	1–10	2	3	1	1	0	0	0	0	0	0	0	2	9
				11–27	2	1	1	3	0	0	1	0	0	0	3	10	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	4	4	2	4	0	0	1	0	0	0	3	12	30
1800	2	0	0	1–10	3	0	2	5	3	0	0	0	0	0	3	4	20
				11–27	0	0	0	3	0	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	3	0	2	8	3	0	0	0	0	0	6	6	28
2100	2	0	0	1–10	1	0	1	2	2	1	0	2	1	5	1	1	17
				11–27	0	0	0	2	2	2	1	0	1	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	1	0	1	4	4	3	1	2	2	5	1	4	28

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DEKEHLIA (A) – APRIL 1961

Hour (U.T.)	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	2	2	6	2	1	0	1	0	1	2	3	26
				11-27	1	0	0	0	1	2	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	2	6	3	3	0	1	0	1	2	3	30
0800	1	0	0	1-10	7	1	2	4	1	2	0	1	1	0	4	3	26
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	1	2	4	2	2	2	1	1	0	4	3	29
1600	0	0	0	1-10	2	5	3	1	2	2	2	2	0	3	1	3	26
				11-27	0	0	0	0	1	1	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	5	3	1	3	3	2	2	1	3	1	4	30
0900	0	0	0	1-10	7	4	0	2	0	1	1	0	2	1	4	2	25
				11-27	0	0	0	1	1	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	8	4	0	3	1	2	1	0	2	2	4	3	30
1200	0	0	0	1-10	8	2	2	1	0	0	0	1	0	1	3	2	20
				11-27	6	1	0	0	1	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	14	3	2	1	1	0	0	1	0	1	4	3	30
1500	1	0	0	1-10	8	5	0	0	0	0	0	0	0	0	0	3	16
				11-27	5	5	1	1	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	13	10	1	1	0	0	0	0	0	0	1	3	29
1800	1	0	0	1-10	9	6	4	0	2	0	0	0	0	0	0	3	24
				11-27	1	3	0	1	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	10	9	4	1	2	0	0	0	0	0	0	3	29
2100	1	0	0	1-10	7	4	5	2	1	2		0	1	0	1	2	25
				11-27	1	1	0	1	1	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	8	5	5	3	2	2	0	0	1	0	1	2	29

TABLE A 10.— NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALEXANDRIA (A) — APRIL 1961

Hour (U.T.)	Wind speed in knots	Calm	Variable	Not observed	Number of casses of occurrences of wind blowing from the ranges of directions indicated												
					345 / 014	015 / 044	045 / 074	075 / 103	105 / 134	125 / 164	165 / 194	195 / 224	225 / 254	255 / 4	285 / 314	315 / 344	All direction
0000	1-10				4	1	4	1	3	3	0	0	0	2	2	3	23
	11-27				1	1	0	1	0	0	0	0	0	0	1	2	6
	28-47	1	0	0	0	0	0	0	0	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	2	3	3	0	0	0	2	3	5	29
0300	1-10				3	4	0	5	2	3	0	0	1	1	3	2	24
	11-27				1	0	0	0	0	0	1	0	0	0	0	3	5
	28-47	1	0	0	0	0	0	0	0	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	5	2	3	1	0	1	1	3	5	29
0600	1-10				2	1	2	3	4	1	0	1	1	1	2	1	19
	11-27				2	1	1	1	0	1	1	0	1	1	0	2	11
	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
	All speeds				4	2	3	4	4	2	1	1	2	2	2	3	30
0900	1-10				0	0	1	2	1	1	1	1	1	1	2	2	13
	11-27				1	2	0	2	0	0	0	0	0	5	2	5	17
	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
	All speeds				1	2	1	4	1	1	1	1	1	6	4	7	30
1200	1-10				0	0	1	1	0	0	0	0	0	0	1	1	4
	11-27				5	2	0	1	0	0	1	0	0	4	6	7	26
	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
	All speeds				5	2	1	2	0	0	1	0	0	4	7	8	30
1500	1-10				2	0	0	0	0	0	1	0	0	0	2	1	6
	11-27				9	7	0	1	0	0	0	0	0	2	1	4	24
	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
	All speeds				11	7	0	1	0	0	1	0	0	2	3	5	30
1800	1-10				5	4	1	1	0	0	0	0	0	0	1	4	11
	11-27				5	3	0	3	0	0	0	0	0	0	2	1	19
	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
	All speeds				10	7	1	4	0	0	0	0	0	0	3	5	30
2100	1-10				5	4	1	3	0	1	0	0	0	1	1	2	18
	11-27				2	0	1	2	2	0	0	0	0	0	0	3	10
	28-47	2	0	0	0	0	0	0	0	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	2	5	2	1	0	0	0	1	1	5	28

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

PORT SAID (A) — APRIL 1961

Hour (U.T.)	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	3	4	2	1	1	1	1	0	0	2	2	1	18
				11–27	2	0	4	1	2	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	5	4	6	2	3	1	1	0	0	3	3	2	30
0300	2	0	0	1–10	3	3	2	2	0	1	0	1	0	[illegible]	3	1	18
				11–27	1	0	2	1	0	3	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	4	3	4	3	0	4	0	1	0	3	4	2	28
0600	0	0	0	1–10	5	3	2	0	1	0	0	1	1	2	0	1	16
				11–27	1	1	1	2	1	2	1	0	0	3	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	6	4	3	2	2	2	1	1	1	5	1	2	30
0900	0	0	0	1–10	8	1	0	1	0	0	0	1	1	3	0	3	18
				11–27	1	2	2	3	0	0	1	0	0	1	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	3	2	4	0	0	1	1	1	4	0	5	30
1200	0	0	0	1–10	8	1	0	0	0	1	0	0	0	0	0	0	10
				11–27	11	3	4	0	0	0	0	1	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	19	4	4	0	0	1	0	1	0	0	0	1	30
1500	0	0	0	1–10	1	0	0	0	0	0	0	0	0	0	0	0	1
				11–27	15	4	3	1	0	0	0	0	0	0	0	6	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	16	4	3	1	0	0	0	0	0	0	0	6	30
1800	0	0	0	1–10	4	2	1	0	0	0	0	0	0	0	0	0	7
				11–27	8	[illegible]	[illegible]	[illegible]	0	0	0	0	0	0	0	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	12	4	5	2	0	0	0	0	0	0	0	7	30
2100	0	0	0	1–10	6	3	1	3	0	0	0	0	0	0	1	3	17
				11–27	3	1	3	3	0	0	0	0	0	0	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 speed	9	4	4	6	0	0	0	0	0	0	2	5	30

TALBE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

EL ARISH — APRIL 1961

Hour (U.T.)	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	1	5	4	5	3	3	2	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	1	0	1	5	4	5	3	3	2	1	25
0300	7	0	0	1-10	0	1	1	0	0	6	5	4	3	0	3	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	1	0	0	6	5	4	3	0	3	0	23
0600	5	0	0	1-10	0	0	0	1	1	8	2	1	6	3	3	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	1	1	8	2	1	6	3	3	0	25
0900	1	0	0	1-10	6	2	2	0	1	1	1	0	0	0	4	8	25
				11-27	0	0	0	0	0	0	1	0	0	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	6	2	2	0	1	1	2	0	0	0	7	8	29
1200	0	0	0	1-10	8	3	1	1	0	0	0	0	0	0	2	10	25
				11-27	1	0	0	0	0	0	0	0	1	0	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	9	3	1	1	0	0	0	0	1	0	5	10	30
1500	0	0	0	1-10	9	6	4	0	0	0	0	0	0	0	2	6	27
				11-27	0	1	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	9	7	4	0	0	0	0	0	0	0	3	7	30
1800	3	0	0	1-10	4	9	4	2	0	0	0	0	0	1	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	9	4	2	0	0	0	0	0	1	3	4	27
2100	12	0	0	1-10	2	2	0	3	2	2	0	0	0	1	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	2	2	0	3	2	2	0	0	0	1	5	1	18

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

GHAZZA — APRIL 1961

Hour (U.T.)	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	1	1	2	5	11	2	0	1	0	2	1	26
				11–27	0	0	0	0	0	2	0	0	0	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	**0**	**1**	**1**	**2**	**5**	**13**	**2**	**0**	**1**	**1**	**3**	**1**	**30**
0300	0	0	0	1–10	0	0	0	1	5	15	5	0	0	2	0	1	29
				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**	**1**	**5**	**15**	**5**	**0**	**0**	**3**	**0**	**1**	**30**
0600	1	0	0	1–10	1	1	2	2	1	5	3	3	5	4	2	0	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	**1**	**1**	**2**	**2**	**1**	**5**	**3**	**3**	**5**	**4**	**2**	**0**	**29**
0900	0	0	0	1–10	2	0	0	0	0	0	0	0	2	5	6	13	28
				11–27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**2**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**2**	**6**	**6**	**13**	**30**
1200	0	0	0	1–10	6	1	0	0	0	0	1	0	0	2	2	15	27
				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	**7**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**2**	**4**	**15**	**30**
1500	0	0	0	1–10	16	5	0	0	0	0	0	0	1	0	3	3	28
				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**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**3**	**30**
1800	0	0	0	1–10	9	2	2	4	1	1	0	0	0	0	1	4	24
				11–27	2	1	0	1	0	0	0	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	**11**	**3**	**2**	**5**	**1**	**1**	**0**	**0**	**0**	**0**	**2**	**5**	**30**
2100	0	0	0	1–10	4	1	1	10	3	4	1	0	2	1	0	1	29
				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**	**1**	**1**	**10**	**3**	**4**	**1**	**0**	**2**	**2**	**0**	**1**	**30**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ABU SUEIR (A) — APRIL 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occencesurrs of wind blowing from the rangfes of noitection 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	1	1	1	0	1	0	0	1	1	3	0	9
				11-27	0	1	0	0	0	1	0	0	0	0	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	0	2	1	1	0	2	0	0	1	1	5	0	14
0300	17	0	0	1-10	1	1	0	0	0	1	0	0	2	4	1	1	11
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	0	0	1	2	0	0	2	4	1	1	13
0600	5	0	0	1-10	2	3	1	0	1	2	1	0	2	4	2	1	19
				11-27	0	1	1	1	0	1	0	0	0	0	2	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	4	2	1	1	3	1	0	2	4	4	1	25
0900	2	0	0	1-10	1	1	6	0	0	2	1	0	0	1	3	6	21
				11-27	0	0	1	3	0	1	0	0	0	1	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	1	1	7	3	0	3	1	0	0	2	3	7	28
1200	1	0	0	1-10	1	1	0	1	1	0	1	0	0	2	0	4	11
				11-27	2	3	5	0	0	0	0	0	1	1	5	0	17
				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	4	5	1	1	0	1	0	2	3	5	4	29
1500	0	0	0	1-10	1	1	2	0	0	1	0	0	0	0	0	0	5
				11-27	5	10	5	0	1	0	0	0	0	0	0	3	24
				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	6	11	7	0	1	1	0	0	0	0	1	3	30
1800	0	0	0	1-10	2	6	1	0	0	0	0	0	0	0	0	0	9
				11-27	3	7	6	1	1	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	5	13	7	1	1	0	0	0	0	0	0	3	30
2100	7	0	0	1-10	5	4	5	1	1	1	0	0	0	1	2	2	22
				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	5	4	5	1	1	2	0	0	0	1	2	2	23

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

CAIRO (A) — APRIL 1961

Hour (U.T.)	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	5	3	4	0	0	0	0	1	0	0	4	18
				11-27	0	0	0	2	1	2	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	5	3	6	1	2	0	0	1	0	0	4	23
0300	10	0	0	1-10	1	3	3	4	1	0	0	0	1	0	0	2	15
				11-27	0	0	0	1	2	1	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	1	3	3	5	3	1	1	0	1	0	0	2	20
0600	1	0	0	1-10	5	3	0	2	1	1	0	1	2	2	2	2	21
				11-27	0	1	2	2	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	5	4	2	4	2	1	2	1	2	2	2	2	29
0900	0	0	0	1-10	3	6	3	0	0	0	1	1	1	2	3	1	21
				11-27	1	0	5	0	0	0	1	0	0	0	1	0	8
				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	4	6	8	0	0	0	2	2	1	2	4	1	30
1200	0	0	0	1-10	2	2	1	0	0	0	0	2	2	3	3	4	19
				11-27	1	2	3	0	0	0	0	1	0	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	3	4	4	0	0	0	0	3	2	4	4	6	30
1500	0	0	0	1-10	4	0	2	0	0	0	0	0	0	0	6	3	15
				11-27	2	5	0	0	0	0	0	0	0	0	2	6	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	5	2	0	0	0	0	0	0	0	8	9	30
1800	0	0	0	1-10	4	1	0	0	0	0	0	0	0	0	2	3	10
				11-27	7	7	3	1	1	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	8	3	1	1	0	0	0	0	0	2	4	30
2100	1	0	0	1-10	5	12	4	0	0	0	0	0	0	0	0	0	21
				11-27	1	0	3	2	0	2	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	6	12	7	2	0	2	0	0	0	0	0	0	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MOSTAFA HELMI (A) — APRIL 1961

Hour (U.T.)	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	3	4	2	2	4	0	1	0	0	1	1	5	23
				11-27	1	0	2	3	0	0	1	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	4	4	4	5	4	0	2	0	0	1	1	5	30
0300	1	0	0	1-10	3	1	2	1	3	2	0	1	0	1	5	3	22
				11-27	1	0	2	2	0	0	2	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	4	1	4	3	3	2	2	1	0	1	5	3	29
0600	0	0	0	1-10	2	2	3	1	2	0	0	1	0	0	3	5	19
				11-27	2	0	2	2	1	1	0	1	0	0	0	1	10
				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	5	3	3	1	1	2	0	0	3	6	30
0900	0	0	0	1-10	2	3	1	1	1	1	0	0	0	1	1	5	16
				11-27	1	4	4	2	0	0	0	1	0	0	0	1	13
				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	7	5	3	1	1	0	2	0	1	1	6	30
1200	1	0	0	1-10	3	4	1	0	0	0	0	0	1	1	0	1	11
				11-27	1	5	3	0	1	0	1	1	0	1	2	2	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	4	9	4	0	1	0	1	1	1	2	3	3	29
1500	0	0	0	1-10	2	0	0	0	0	0	0	0	2	0	1	2	7
				11-27	6	8	4	0	1	0	1	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	8	8	4	0	1	0	1	0	2	0	1	5	30
1800	0	0	0	1-10	1	1	1	1	0	0	1	0	0	0	0	0	5
				11-27	9	8	7	1	0	0	0	0	0	0	0	0	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	10	9	8	2	0	0	1	0	0	0	0	0	30
2100	0	0	0	1-10	3	4	5	0	1	0	1	0	0	0	0	0	14
				11-27	3	4	5	3	0	0	1	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	8	10	3	1	0	2	0	0	0	0	0	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALMAZA (A) — APRIL 1961

Hour (U.T.)	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	7	8	2	1	0	0	1	0	3	1	0	25
				11-27	0	0	0	2	1	2	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	7	8	4	2	2	0	1	0	3	1	0	30
0300	0	0	0	1-10	2	7	2	5	2	2	0	2	0	1	3	1	27
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	7	2	5	3	4	0	2	0	1	3	1	30
0600	1	0	0	1-10	4	5	3	1	2	0	0	0	0	3	3	2	23
				11-27	0	1	2	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	6	5	2	2	0	1	1	0	3	3	2	29
0900	6	0	0	1-10	2	8	3	0	1	0	0	0	2	2	3	2	23
				11-27	0	2	2	1	0	0	0	2	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	2	10	5	1	1	0	0	2	2	2	3	2	30
1200	0	0	0	1-10	3	5	1	0	0	0	1	3	0	2	7	0	22
				11-27	1	3	2	0	0	0	0	1	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	8	3	0	0	0	1	4	0	2	8	0	30
1500	0	0	0	1-10	3	2	0	0	0	0	1	0	1	0	5	5	17
				11-27	2	4	5	0	0	0	0	0	0	1	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	7	6	5	0	0	0	1	0	1	1	6	5	30
1800	1	0	0	1-10	3	11	0	0	0	0	0	0	0	0	0	1	15
				11-27	2	4	6	0	2	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	5	15	6	0	2	0	0	0	0	0	0	1	29
2100	0	0	0	1-10	1	14	9	1	1	1	0	0	0	0	0	0	27
				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	1	14	10	1	3	1	0	0	0	0	0	0	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

GIZA — APRIL 1961

Hour (U.T.)	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	3	5	1	1	0	0	2	0	0	0	2	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	3	5	1	1	0	0	2	0	0	0	2	8	22
0300	10	0	6	1–10	2	0	1	0	1	2	0	0	0	0	1	7	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	1	0	1	2	0	0	0	0	1	7	14
0600	5	0	0	1–10	6	3	1	1	0	1	2	0	1	1	2	6	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	7	3	1	1	0	1	2	0	1	1	2	6	25
0900	0	0	0	1–10	9	4	0	0	0	3	0	0	1	1	3	4	25
				11–27	0	2	1	0	0	0	2	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	9	6	1	0	0	3	2	0	1	1	3	4	30
1200	0	0	0	1–10	8	4	0	0	1	0	2	0	0	1	6	4	26
				11–27	1	0	0	0	0	0	0	1	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	4	0	0	1	0	2	1	1	1	6	5	30
1500	1	0	0	1–10	9	1	1	0	1	0	0	1	0	0	1	10	24
				11–27	2	1	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	11	2	1	0	1	0	0	1	0	0	1	12	29
1800	1	0	0	1–10	10	11	0	0	0	0	0	0	0	0	0	4	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	13	11	0	1	0	0	0	0	0	0	0	4	29
2100	1	0	0	1–10	7	9	3	2	0	0	0	0	0	0	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	9	3	2	0	0	0	0	0	0	1	7	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MINYA (A) — APRIL 1961

Hour (U.T.)	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	17	2	0	0	0	2	0	1	0	0	0	2	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	20	3	0	0	0	2	0	1	0	0	0	2	28
0300	4	0	0	1—10	14	0	0	0	0	3	0	0	0	0	0	5	22
				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	16	2	0	0	0	3	0	0	0	0	0	5	26
0600	0	0	0	1—10	10	2	0	0	1	1	2	0	3	0	1	2	22
				11—27	4	4	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	14	6	0	0	1	1	2	0	3	0	1	2	30
0900	0	0	0	1—10	3	6	1	0	0	1	2	0	1	3	2	1	20
				11—27	4	2	0	0	0	0	2	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	7	8	1	0	0	1	4	0	1	3	3	2	30
1200	3	0	0	1—10	3	0	0	0	0	1	1	1	0	0	0	6	12
				11—27	9	0	0	0	0	1	0	1	0	0	2	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	12	0	0	0	0	2	1	2	0	0	2	8	27
1500	2	0	0	1—10	4	3	0	0	0	1	0	2	0	1	0	4	15
				11—27	10	1	0	0	0	0	0	0	0	0	1	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	14	4	0	0	0	1	0	2	0	1	1	5	28
1800	6	0	0	1—10	8	4	0	2	1	0	0	0	1	0	0	2	18
				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	11	6	0	2	1	0	0	0	1	0	0	3	24
2100	6	0	0	1—10	7	0	0	0	1	2	0	0	0	1	1	4	16
				11—27	6	2	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	13	2	0	0	1	2	0	0	0	1	1	4	24

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASYOUT (A)—APRIL 1961

Hour (U.T.)	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	2	0	0	0	0	0	0	0	0	12	2	0	16
				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	2	0	0	0	0	0	1	0	0	12	2	0	17
0800	16	0	0	1-10	0	0	0	0	0	0	1	0	1	8	2	1	13
				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	0	0	0	0	1	1	0	1	8	2	1	14
0600	12	0	0	1-10	2	0	0	0	1	0	0	0	1	5	5	3	17
				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	2	0	0	0	1	0	1	0	1	5	5	3	18
0900	8	0	0	1-10	3	1	1	0	1	0	0	0	0	1	3	3	13
				11-27	1	1	0	0	0	0	1	1	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	4	2	1	0	1	0	1	1	0	1	4	7	22
1200	6	0	0	1-10	5	0	0	1	0	0	0	0	0	0	1	5	12
				11-27	2	0	0	0	0	0	1	1	0	2	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	7	0	0	1	0	0	1	1	0	2	2	10	24
1500	7	0	0	1-10	2	0	0	0	0	1	1	1	0	0	0	4	9
				11-27	5	0	0	0	0	0	0	0	0	1	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	7	0	0	0	0	1	1	1	0	1	1	11	23
1800	15	0	0	1-10	2	0	0	0	0	0	1	0	1	2	3	5	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	2	0	0	0	1	0	1	0	1	2	3	5	15
2100	14	0	0	1-10	0	0	0	0	0	0	1	1	0	11	1	2	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	1	1	0	11	1	2	16

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

LUXOR (A) – APRIL 1961

Hour (U.T.)	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	2	0	0	1	0	1	0	1	0	0	1	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	4	2	0	0	1	0	1	0	1	0	0	1	10
0300	23	0	0	1-10	1	0	0	0	1	0	2	2	1	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	1	0	0	0	1	0	2	2	1	0	0	0	7
0600	16	0	0	1-10	3	3	0	1	0	1	2	1	1	1	0	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	3	3	0	1	0	1	2	1	1	1	0	1	14
0900	2	0	0	1-10	9	2	0	2	0	0	0	1	0	1	1	6	22
				11-27	1	2	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	4	0	2	0	0	0	1	0	1	1	9	28
1200	1	0	0	1-10	5	2	1	1	0	0	0	0	1	1	3	12	26
				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	2	1	1	0	0	0	0	1	1	4	14	29
1500	2	0	0	1-10	6	1	0	0	0	0	0	0	0	0	1	13	21
				11-27	0	0	1	1	0	0	0	0	1	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	6	1	1	1	0	0	0	0	1	0	1	17	28
1800	10	0	0	1-10	0	0	2	1	0	0	0	0	1	0	2	14	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	2	1	0	0	0	0	1	0	2	14	20
2100	14	0	0	1-10	6	0	0	1	0	0	0	2	0	0	2	5	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	6	0	0	1	0	0	0	2	0	0	2	5	16

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASWAN (A)— APRIL 1961

Hour (U.T.)	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	11	1	0	0	0	1	0	0	0	0	1	3	17
				11—27	2	0	0	0	0	0	0	0	0	0	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	13	1	0	0	0	1	0	0	0	0	3	4	22
0300	14	0	0	1—10	10	1	0	0	0	0	0	0	0	0	1	1	13
				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	1	0	0	0	0	0	0	0	0	1	1	16
0600	10	0	0	1—10	11	1	0	0	0	0	0	0	0	0	0	0	12
				11—27	6	0	0	0	0	0	0	0	0	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	17	1	0	0	0	0	0	0	0	0	1	1	20
0900	5	0	0	1—10	9	2	1	0	1	0	1	0	0	0	0	0	14
				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	19	3	1	0	1	0	1	0	0	0	0	0	25
1200	3	0	0	1—10	5	5	1	0	0	1	1	0	0	0	0	0	13
				11—27	8	1	1	0	0	0	0	0	0	0	2	1	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	14	6	2	0	0	1	1	0	0	0	2	1	27
1500	2	0	0	1—10	11	0	0	2	0	0	0	0	1	0	1	3	18
				11—27	5	1	0	0	0	0	0	0	0	0	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	16	1	0	2	0	0	0	0	1	0	3	5	28
1800	4	0	0	1—10	12	1	0	1	0	0	0	0	0	0	1	1	16
				11—27	7	0	0	0	0	0	0	0	0	0	0	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	19	1	0	1	0	0	0	0	0	0	1	4	26
2100	2	0	0	1—10	16	3	0	0	0	1	0	0	0	1	0	1	22
				11—27	2	0	0	0	0	0	0	0	0	0	2	1	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	19	3	0	0	0	1	0	0	0	1	2	2	28

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SIWA — APRIL 1961

Hour (U.T.)	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	0	4	2	4	2	0	0	0	0	1	2	2	17
				11-27	0	0	0	1	1	0	0	1	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	2	5	3	0	0	1	0	1	2	2	20
0300	11	0	0	1-10	5	0	2	4	2	0	0	0	0	1	1	1	16
				11-27	0	0	0	0	2	0	0	1	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	0	2	4	4	0	0	1	0	1	1	1	19
0600	6	0	0	1-10	5	0	3	2	4	1	1	0	0	1	0	4	21
				11-27	0	0	0	0	1	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	5	0	3	2	5	1	2	0	0	1	0	5	24
0900	0	0	0	1-10	1	0	0	3	2	3	3	0	0	0	0	5	17
				11-27	1	0	0	0	1	3	1	1	1	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	2	0	0	3	3	6	4	1	1	0	1	9	30
1200	0	0	0	1-10	0	0	0	0	1	2	2	0	2	2	3	1	13
				11-27	3	0	0	0	0	3	1	0	2	0	3	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	3	0	0	0	1	5	3	0	4	2	6	6	30
1500	1	0	0	1-10	3	1	0	0	2	0	0	1	1	0	1	5	14
				11-27	2	0	0	0	2	1	1	0	0	2	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	5	1	0	0	4	1	1	1	1	2	3	10	29
1800	6	0	0	1-10	4	0	1	0	1	1	1	1	0	3	2	5	19
				11-27	0	2	0	0	2	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	4	2	1	0	3	1	1	1	0	3	2	6	24
2100	6	0	0	1-10	0	3	3	3	1	1	2	0	1	0	3	0	17
				11-27	0	3	3	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	6	6	3	1	1	2	1	1	0	3	0	24

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

BAHARIYA — APRIL 1961

Hour (U.T.)	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	6	0	1	0	0	0	0	0	0	1	0	8
				11-27	3	0	0	0	0	0	2	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	6	0	1	0	0	2	0	0	0	1	1	14
0300	22	0	0	1-10	1	2	0	0	0	0	1	0	0	0	1	1	6
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	0	0	0	1	1	0	0	0	1	1	8
0600	19	0	0	1-10	3	3	0	1	0	1	0	0	0	0	1	0	9
				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	3	4	0	1	0	1	0	0	0	1	1	0	11
0900	5	0	0	1-10	4	8	0	1	0	1	1	0	0	1	0	1	17
				11-27	2	1	0	1	0	0	1	1	1	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	6	9	0	2	0	1	2	1	1	1	1	1	25
1200	3	0	0	1-10	3	2	0	0	0	0	1	0	0	1	2	6	15
				11-27	3	1	0	0	1	0	1	1	0	1	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	6	3	0	0	1	0	2	1	0	2	4	8	27
1500	3	0	0	1-10	6	3	0	1	0	2	0	0	0	0	3	3	18
				11-27	4	0	0	0	0	0	1	0	0	0	3	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	10	3	0	1	0	2	1	0	0	0	6	4	27
1800	10	0	0	1-10	1	1	0	0	1	0	1	1	0	1	2	10	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	2	1	0	0	1	0	1	1	0	1	2	11	20
2100	13	0	0	1-10	4	6	0	0	1	0	1	0	0	0	1	3	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	4	6	0	0	1	0	1	0	0	0	1	4	17

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DAKHLA — APRIL 1961

Hour (U.T.)	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	2	1	2	0	1	1	3	8	7	2	27
				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	1	0	2	1	2	0	1	1	3	8	7	3	29
0300	6	0	0	1—10	0	2	4	2	0	5	0	2	3	2	2	1	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	0	2	4	2	0	5	0	2	3	2	2	2	24
0600	4	0	0	1—10	2	0	3	2	3	0	1	1	2	2	4	5	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	2	0	3	2	3	0	1	1	2	2	5	5	26
0900	0	0	0	1—10	5	3	0	4	2	0	1	0	0	0	4	4	23
				11—27	2	2	0	0	0	1	0	0	0	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	7	3	0	4	2	1	1	0	0	0	5	7	30
1200	1	0	0	1—10	4	4	2	1	0	1	1	0	0	0	3	5	21
				11—27	0	1	0	0	0	1	1	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	4	5	2	1	0	2	2	0	0	0	4	9	29
1500	0	0	0	1—10	2	1	2	1	1	0	0	0	1	0	2	9	19
				11—27	2	0	0	0	0	0	1	1	0	0	1	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	4	1	2	1	1	0	1	1	1	0	3	15	30
1800	2	0	0	1—10	6	2	1	3	0	0	1	1	0	2	5	6	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	6	2	1	3	0	0	1	1	0	2	5	7	28
2100	4	0	0	1—10	0	0	1	3	0	0	2	0	1	7	8	2	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	2	0	1	3	0	0	2	0	1	7	8	2	26

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

KHARGA — APRIL 1961

Hour (U.T.)	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	6	0	0	0	0	0	0	0	0	0	0	0	6
				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	0	0	0	0	0	0	0	7
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	19	0	0	1-10	10	0	0	0	0	0	0	0	0	0	0	0	10
				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	0	0	11
0900	10	0	0	1-10	7	2	0	1	0	1	0	0	0	0	0	0	11
				11-27	5	1	0	0	0	1	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	12	3	0	1	0	2	0	0	0	0	0	2	20
1200	9	0	0	1-10	11	0	0	0	0	1	0	0	0	0	1	1	14
				11-27	4	1	0	0	0	1	0	1	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	15	1	0	0	0	2	0	1	0	0	1	1	21
1500	12	0	0	1-10	12	0	0	0	0	0	1	0	0	0	0	0	13
				11-27	4	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	16	1	0	0	0	0	1	0	0	0	0	0	18
1800	19	0	0	1-10	10	0	0	0	0	0	1	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	10	0	0	0	0	0	1	0	0	0	0	0	11
2100	23	0	0	1-10	5	0	0	0	0	0	0	0	0	0	0	1	6
				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	0	0	0	0	0	0	0	0	0	0	1	7

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

TOR — APRIL 1961

Hour (U.T.)	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	1	0	0	0	0	0	0	0	0	6	1	10
				11–27	1	0	0	0	0	1	0	0	0	0	4	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	3	1	0	0	0	1	0	0	0	0	10	5	20
0300	10	0	0	1–10	3	1	0	1	0	0	0	1	0	0	6	3	15
				11–27	0	0	0	0	0	0	0	0	0	0	4	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	1	0	1	0	0	0	1	0	0	10	4	20
0600	6	0	0	1–10	1	0	0	0	0	1	0	0	0	2	12	1	17
				11–27	0	0	0	0	0	0	0	0	0	0	7	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	0	0	0	0	1	0	0	0	2	19	1	24
0900	1	0	0	1–10	0	0	0	0	0	0	0	0	3	6	4	0	13
				11–27	0	0	0	0	0	0	1	0	0	2	13	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	0	0	1	0	3	8	17	0	29
1200	2	0	0	1–10	0	0	0	0	0	0	0	1	1	8	3	1	14
				11–27	0	0	0	0	0	1	0	0	0	1	12	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	0	0	0	0	1	0	1	1	9	15	1	28
1500	4	0	0	1–10	0	0	0	0	0	0	3	0	1	2	7	1	14
				11–27	0	0	0	0	0	0	1	0	0	1	8	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	0	0	0	0	0	4	0	1	3	15	3	26
1800	9	0	0	1–10	1	0	0	1	0	0	2	0	0	0	5	4	13
				11–27	2	0	0	0	0	0	0	0	0	0	2	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	3	0	0	1	0	0	2	0	0	0	7	8	21
2100	9	0	0	1–10	0	2	0	1	0	1	0	0	0	0	8	3	15
				11–27	0	0	0	0	0	0	0	0	0	0	3	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	0	2	0	1	0	1	0	0	0	0	11	6	21

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

HURGHADA — APRIL 1961

Hour(U.T.)	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	0	0	0	0	0	1	3	1	5
				11-27	0	0	0	0	1	0	0	0	0	0	15	6	22
				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	1	0	0	0	0	1	18	9	29
0300	3	0	0	1-10	0	0	0	0	0	0	0	0	0	0	6	1	7
				11-27	0	0	0	0	1	0	0	0	0	0	9	9	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	1	0	0	0	0	0	15	11	27
0600	2	0	0	1-10	0	2	0	0	0	2	0	0	0	0	0	3	7
				11-27	3	0	0	0	0	0	0	0	0	0	3	13	19
				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	3	2	0	0	0	2	0	0	0	0	3	18	28
0900	0	0	0	1-10	1	2	2	0	0	0	0	0	0	0	0	0	5
				11-27	13	5	1	0	1	0	0	0	0	0	0	4	24
				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	15	7	3	0	1	0	0	0	0	0	0	4	30
1200	0	0	0	1-10	1	3	3	2	0	0	0	0	0	0	0	0	9
				11-27	9	8	1	0	1	0	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	12	11	4	2	1	0	0	0	0	0	0	0	30
1500	0	0	0	1-10	0	4	1	0	2	5	0	0	0	0	0	0	12
				11-27	12	0	0	0	1	2	0	0	0	0	0	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	12	4	1	0	3	7	0	0	0	0	0	3	30
1800	4	0	0	1-10	1	0	0	0	0	2	1	0	1	2	0	3	10
				11-27	2	0	0	0	1	3	0	0	0	0	1	6	13
				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	3	0	0	0	1	5	1	0	1	2	1	12	26
2100	3	0	0	1-10	0	0	0	1	0	1	0	0	0	1	2	2	7
				11-27	0	0	0	0	0	1	0	0	0	1	11	6	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	1	0	2	0	0	0	2	13	9	27

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

QUSEIR — APRIL 1961

Hour (U.T)	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	0	1	0	0	9	4	3	17
				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	0	0	0	0	0	0	1	0	0	9	6	7	23
0300	2	0	0	1–10	1	0	0	0	0	0	1	0	0	10	3	2	17
				11–27	4	0	0	0	0	0	0	0	0	0	1	5	10
				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	0	0	0	0	0	1	0	0	10	4	7	28
0600	3	0	0	1–10	4	0	0	0	0	1	0	0	0	1	0	1	7
				11–27	11	0	0	0	0	0	0	0	0	0	0	8	19
				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	16	0	0	0	0	1	0	0	0	1	0	9	27
0900	1	0	0	1–10	2	1	1	2	0	0	0	0	0	0	0	0	6
				11–27	16	0	0	0	0	0	0	0	0	0	0	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	18	1	1	2	0	0	0	0	0	0	0	7	29
1200	0	0	0	1–10	1	1	3	3	0	0	0	0	0	0	0	0	8
				11–27	15	5	0	0	0	0	0	0	0	0	0	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	16	6	3	3	0	0	0	0	0	0	0	2	30
1500	3	0	0	1–10	4	3	2	2	1	0	0	0	0	0	0	6	18
				11–27	5	0	0	0	0	0	0	0	0	0	0	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	3	2	2	1	0	0	0	0	0	0	10	27
1800	11	0	0	1–10	1	0	0	0	0	1	2	0	0	2	4	5	15
				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	0	0	1	2	0	0	2	4	9	19
2100	15	0	0	1–10	0	0	0	0	0	0	0	0	0	4	7	3	14
				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	4	7	4	15

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ALEPPO (A)—0000 U.T.—APRIL 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	30	967mb.*	973mb*	961 mb.*	30	11.5	20.0	6.6	30	6.4
1000	—	—	—	—	—	—	—	—	—	—
850	30	1470	1531	1414	30	10.5	18.1	1.5	30	— 2.6
700	30	3054	3131	2977	30	— 1.1	6.6	—10.2	30	—12.4
600	30	4266	4365	4152	30	— 9.2	— 4.2	—15.3	30	—20.7
500	30	5650	5764	5498	30	—19.0	—14.5	—27.8	30	—30 8
400	30	7271	7387	7065	30	—31.5	—26.8	—38.3	30	—42.1
300	30	9239	9424	8995	29	—46.7	—40.2	—51.2	29	—56.0
200	30	11853	12065	11655	30	—56.7	—47.8	—65.7	—	—
150	30	13677	13798	13523	30	—57.2	—50.0	—69.5	—	—
100	28	16234	16357	16080	28	—60.2	—56.5	—65.1	—	—
60	27	19421	19560	19230	27	—60.6	—57.2	—66.7	—	—
40	24	21997	22150	21800	24	—56.8	—54.8	—61.3	—	—
30	14	23154	23896	23661	14	—58.7	—55.0	—62.6	—	—
20	2	26298	26362	26234	2	—57.8	—55.6	—60.0	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ALEPPO (A)—1200 U.T.— APRIL 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N.	Mean	Highest	Lowest	N.	Mean	Highest	Lowest	N.	Mean
Surface of station ...	30	967mb.*	973mb.*	961mb.*	30	22.2	32.0	13.9	30	— 5.3
1000	—	—	—	—	—	—	—	—	—	—
850	30	1482	1545	1420	30	11.0	20.9	4.5	30	— 1.4
700	30	3067	3147	2990	30	— 0.2	5.9	— 5.0	30	—14.0
600	30	4282	4378	4200	30	— 8.3	— 3.7	—13.1	30	—21.1
500	30	5671	5787	5580	30	—18.3	—13.4	—23.3	30	—30.9
400	30	7295	7434	7176	30	—31.0	—26.7	—36.4	30	—42.5
300	30	9270	9443	9111	30	—46.3	—41.6	—67.6	30	—56.5
200	29	11887	12078	11722	29	—56.6	—47.1	—64.7	—	—
150	29	13711	13896	13562	29	—56.8	—51.2	—67.6	—	—
100	29	16261	16465	16132	29	—60.0	—55.4	—65.6	—	—
60	28	19474	19655	19350	28	—59.5	—56.3	—63.8	—	—
40	25	22081	22255	21925	25	—56.6	—51.4	—60.4	—	—
30	20	23832	23992	23676	20	—55.3	—51.3	—60.0	—	—
20	11	26408	26544	26272	11	—55.1	—50.0	—60.3	—	—
10	1	30543	—	—	1	—64.8	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.— UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — APRIL 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	30	1011mb*	1017mb*	1000mb*	30	15·5	27·0	10·7	30	11·2
1000	30	132	186	42	30	15·5	27·0	10·2	30	9·7
850	30	1503	1582	1458	30	10·6	23·1	3·4	24	— 3·4
700	30	3092	3173	3016	30	0·8	7·5	— 7·3	18	—12·1
600	30	4313	4417	4209	30	— 7·3	— 2·8	—15·5	14	—17·4
500	30	5706	5828	5563	30	—17·8	—13·0	—26·3	12	—25.2
400	30	7339	7488	7143	30	—29·9	—24·6	—35·7	10	—36.0
300	30	9327	9490	9094	30	—44·4	—39·2	—49·0	—	—
200	29	11936	12130	11729	29	—56·2	—46·0	—64·0	—	—
150	29	12760	13935	13484	29	—58·5	—54·1	—66·4	—	—
100	28	16271	16454	16067	28	—65·4	—60·1	—69·0	—	—
60	25	19388	19531	19159	25	—64·0	—60·4	—74·6	—	—
40	22	21891	22071	21619	22	—60·5	—55·0	—72·2	—	—
30	9	23658	23892	23353	9	—58·7	—55·0	—64.4	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 1200 U.T. — APRIL 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	26	1010mb*	1018mb*	1002mb*	26	21·1	35·0	16·9	26	11·8
1000	26	127	194	61	26	20·0	34·8	15·0	26	10·1
850	26	1507	1561	1458	26	11·7	22·3	4·3	25	— 4·0
700	26	3101	3197	3031	26	2·4	10·0	— 4·7	11	—12·8
600	26	4328	4453	4239	26	— 7·8	1·3	—12·5	8	—17·6
500	26	5730	5887	5613	26	—15·8	—10·7	—21·0	8	—23·8
400	26	7377	7565	7233	26	—28·2	—21·9	—33·7	5	—38·7
300	26	9380	9616	9194	26	—42·7	—37·3	—47·0	—	—
200	25	12038	12320	11848	25	—54·5	—47·7	—64·3	—	—
150	25	13867	14194	13589	25	—58·5	—53·9	—71·0	—	—
100	25	16388	16748	16199	25	—64·1	—60·7	—70·4	—	—
60	24	19526	19965	19354	24	—62·0	—56·3	—66·1	—	—
40	19	22070	22561	21911	19	—56·8	—51·5	—61·4	—	—
30	11	23877	24064	23752	11	—55·2	—48·2	—59·4	—	—
20	1	26366	—	—	1	—54·9	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 0000 U.T. — APRIL 1961

N=Number of observations of specified pressure surfaces.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	29	996 mb*	1003mb.*	991mb.*	29	17.4	31.9	9.4	29	8.1
1000	29	112	165	68	5	15.2	20·0	9.4	5	7·1
350	29	1491	1552	1448	29	13.3	23.0	4.6	23	— 3.2
700	29	3095	3176	3040	28	3.5	10.0	— 3.5	13	—10.0
600	29	4327	4410	4244	29	— 4.6	0.0	—12.1	12	—16.8
500	29	5736	5819	5618	29	—14.3	—11.2	—19.5	9	—21.2
400	28	7394	7502	7235	28	—26.4	—22.0	—32.0	7	—33.6
300	27	9407	9513	9216	27	—41.3	—36.8	—46.8	—	—
200	26	12081	12212	11904	26	—53.7	—47.1	—61.2	—	—
150	24	13904	14052	13759	24	—59.1	—53.2	—63.9	—	—
100	18	16403	16515	16287	18	—65.2	—59.8	—73.5	—	—
60	11	19523	19618	19430	11	—64.0	—59.7	—69.0	—	—
40	5	22074	22143	22027	5	—59.9	—58.3	—61.0	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 1200 U.T. — APRIL 1961

N=Number of observations of specified pressure surfaces.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	28	995 mb*	1002mb*	990mb.*	28	28·0	34.1	22.4	28	6·6
1000	28	102	158	60	4	26·2	31.6	22.0	4	9·7
850	28	1502	1566	1453	28	13.6	21.7	5.6	25	— 0.8
700	28	3104	3208	3035	28	2.9	10.0	— 2·8	18	— 5·6
600	28	4334	4459	4241	28	— 5.0	1.8	—11.3	13	—16.3
500	28	5742	5881	5612	28	—14.5	— 9.0	—20·8	9	—22.7
400	28	7394	7558	7227	28	—25.0	—21.5	—32·5	7	—33.9
300	28	9312	9610	9277	28	— 41.0	—38.2	—44.4	3	—42.0
200	26	12070	12307	11916	25	—53.8	—45.3	—61.5	—	—
150	23	13888	14176	13774	23	— 60.2	—55.3	—71·3	—	—
100	15	16407	16714	16298	15	— 66.2	—62.0	—73·7	—	—
60	6	19514	19611	19478	6	— 64.3	—61.3	—69·8	—	—
40	2	22018	22019	22017	2	—56.8	—54.8	—58.8	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 0000 U.T. — APRIL 1961

N=Number of observations of specified pressure surfaces.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	22	998mb*	1004mb*	995mb*	22	20.8	28.4	15.0	22	1.3
1000	9	117	140	106	9	18.1	21.1	14.9	9	1.2
850	22	1491	1517	1466	22	16.2	23.1	10.0	13	— 2.6
700	22	3113	3163	3055	22	6.7	11.2	2.7	9	—10.6
600	22	4360	4423	4287	22	— 1.4	2.2	— 4.0	5	—15.8
500	22	5788	5859	5701	22	—11.0	— 8.6	—14.8	5	—22.0
400	22	7469	7554	7372	22	—22.2	—18.7	—24.6	5	—31.7
300	22	9524	9635	9421	22	—36.3	—32.9	—39.5	2	—43.0
200	18	12241	12374	12124	18	—54.1	—50.1	—58.4	—	—
150	10	14024	14109	13901	10	—65.2	—62.6	—67.8	—	—
100	3	16439	16499	16416	3	—76.4	—74.4	—78.8	—	—
60	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — APRIL 1961

N=Number of observations of specified pressure surfaces.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	21	998mb*	1004mb*	994mb*	21	33.8	41.6	26.0	21	3·4
1000	8	115	140	106	8	31.0	35.8	25.5	7	3.1
850	21	1515	1549	1486	21	18.6	26.8	12.0	12	— 8.2
700	21	3147	3210	3101	21	8.0	11.0	3.3	9	—12.9
600	21	4398	4465	4329	21	— 1.5	2.6	— 4.2	5	—15.8
500	21	5836	5894	5752	21	— 9.2	— 7.4	—11.0	4	—20.2
400	21	7527	7587	7438	21	—20.2	—18.8	—23.5	4	—31.6
300	21	9593	9670	9508	21	—35.1	—32.0	—40.2	—	—
200	15	12278	12375	12229	15	—53.1	—48.5	—55.9	—	—
150	12	14122	14204	14053	12	—65.0	—57.0	—71.0	—	—
100	7	16559	16651	16485	7	—73.0	—65.7	—76.3	—	—
60	2	19510	19557	19462	2	—70.6	—69.7	—71.6	—	—
40	1	21925	—	—	1	—77.9	—	—	—	-
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

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 1961

N=The numbers of cases the element has been observed during the month.

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)	Temperature (°C) (N)	Height (gpm.)	Pressure (mb.)	Temperature (°C)	Height (gpm.)	Pressure (mb.)	Temperature (°C)	Height (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
Aleppo ..(A)	2937 (30)	712 (30)	—11.7 (30)	3800	—	—	1660	—	—	11052 (29)	229 (29)	—58.2 (29)	13565	—	—	8750	—	—	—	—	—	—
Marsa Matruh (A)	3105 (30)	695 (30)	—10.2 (18)	4070	626	—15.1	1980	800	—10.6	11542 (19)	217 (19)	—58.2 (19)	13920	148	—63.5	9180	306	—43.0	15600	108	260	108
Helwan	3590 (29)	660 (29)	—11.0 (13)	4374	600	—	2460	754	—	12678 (23)	187 (23)	—57.0 (23)	15370	121	—65.1	9500	294	—40.5	9700	286	270	122
Aswan .. (A)	4144 (22)	620 (22)	—14·6 (4)	4930	632	—12.0	3580	660	—	14106 (5)	149 (5)	—65.9 (5)	15700	113	—73·0	13130	174	—64·4	14600	137	260	151

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 1961

N=The numbers of cases the element has been observed during the month.

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)	Temperature (°C) (N)	Height (gpm.)	Pressure (mb.)	Temperature (°C)	Height (gpm.)	Pressure (mb.)	Temperature (°C)	Height (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
Aleppo ... (A)	3038 (30)	705 (30)	—13.3 (30)	3350	—	—	1925	—	—	11283 (29)	223 (29)	—58.2 (29)	13300	—	—	9227	—	—	10440	251	290	83
Marsa Matruh (A)	3444 (25)	668 (25)	—13.5 (13)	4630	586	—	2350	763	—4.4	11320 (16)	225 (16)	—55.4 (16)	13100	170	—68.0	10240	260	—52.6	13000	170	260	127
Helwan	3505 (28)	667 (28)	—11.4 (17)	4670	584	—	2200	779	— 2.3	12302 (22)	199 (22)	—56.8 (22)	15630	112	—63.0	9030	312	—40.5	11100	228	270	129
Aswan ... (A)	4397 (21)	602 (21)	—15.3 (4)	4800	574	—	3950	634	—15.5	14554 (6)	140 (6)	—67.0 (6)	16483	100	—74.8	13700	162	—62.3	15300	124	260	167

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 1961

N = The number of cases the wind has been observed from the range of direction during the month.
TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000—360)°																								Number of calm winds	Total number of observations (TN)	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 of station...	2	6	2	13	2	6	1	6	0	—	0	—	0	—	0	—	1	4	8	8	5	9	2	7	7	30	6
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	0	—	2	15	1	18	1	10	1	24	0	—	3	13	2	13	3	15	4	10	1	8	5	16	0	23	14
700	2	11	2	14	0	—	0	—	0	—	0	—	2	19	6	25	3	17	2	10	1	22	2	12	0	20	18
600	2	17	0	—	0	—	0	—	0	—	0	—	0	—	3	33	5	20	2	27	3	16	0	—	0	15	22
500	0	—	0	—	0	—	0	—	0	—	0	—	1	20	0	—	2	23	2	14	0	—	1	20	0	6	19
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	9	0	—	0	1	9
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 1961

N = the number of cases the wind has been observed from the range of direction during the month.

TN = the total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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 of station	1	8	1	9	1	12	3	12	0	—	0	—	0	—	4	9	2	14	8	16	7	15	2	9	1	30	13
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	0	—	2	7	1	6	0	—	0	—	1	9	3	19	4	13	4	11	6	16	3	11	2	9	0	25	12
700	3	11	2	12	1	16	0	—	0	—	0	—	2	18	2	0	6	29	2	17	3	16	3	9	0	24	18
600	1	12	0	—	2	13	0	—	0	—	1	15	1	18	5	2	2	36	1	31	5	20	4	16	0	22	21
500	1	19	1	12	1	24	1	6	0	—	0	—	0	—	4	26	3	40	1	26	5	22	3	18	0	20	24
400	1	21	1	12	1	24	0	—	1	4	0	—	0	—	3	25	3	39	5	31	1	32	2	31	0	18	30
300	0	—	1	13	0	—	0	—	0	—	0	—	0	—	1	39	4	35	5	41	3	40	1	40	0	15	38
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	58	5	38	1	42	5	46	1	34	0	12	41
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	43	7	40	2	27	0	—	0	11	38
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	30	5	27	0	—	0	—	0	9	29
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 1961

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Pressure surface (millibar)	Wind between specified ranges of direction (000-360) °																								Number of calm winds	Total number of observations (TN)	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 of station	1	5	1	5	0	—	1	12	4	10	2	6	0	—	3	18	0	—	11	7	1	5	3	12	3	30	8
1000	0	—	2	3	1	5	1	25	4	9	2	8	2	24	0	—	1	6	7	7	6	9	2	12	2	30	9
850	2	8	1	4	0	—	0	—	0	—	2	5	1	23	2	20	4	17	8	18	5	11	4	13	1	30	14
700	2	8	0	—	0	—	0	—	0	—	0	—	2	6	2	40	8	23	5	28	9	17	2	16	0	30	20
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	38	6	27	12	28	5	30	4	15	0	30	31
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	46	5	35	15	30	5	35	3	16	0	30	31
400	0	—	0	—	0	—	0	—	0	—	0	—	1	35	0	—	8	41	14	36	4	36	2	32	0	29	37
300	0	—	0	—	0	—	0	—	0	—	0	—	1	33	0	—	5	49	13	57	3	49	2	39	0	24	52
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	54	6	62	1	43	2	46	0	14	55
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	37	1	58	3	66	2	46	1	60	0	8	56
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	55	1	40	1	52	0	—	0	3	49
60	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	63	0	—	0	1	63
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 1961

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Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	5	12	2	13	2	10	3	16	0	—	0	—	2	18	1	26	0	—	0	—	1	20	10	15	0	26	15
1000	7	10	1	16	1	13	2	18	0	—	1	14	1	14	1	25	0	—	1	9	3	15	8	14	0	26	14
850	1	6	1	14	0	—	0	—	0	—	0	—	1	4	2	27	5	19	8	14	7	9	1	18	0	26	14
700	1	5	1	5	0	—	0	—	0	—	0	—	0	—	3	45	3	23	8	27	8	15	2	8	1	26	22
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	36	2	49	13	28	8	19	1	10	0	26	27
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	55	3	55	13	35	7	28	1	18	0	26	36
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	53	12	43	5	44	2	32	0	25	45
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	84	14	49	4	56	1	46	0	20	52
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	76	4	70	0	—	0	12	74
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	74	2	56	0	—	0	5	67
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	88	2	30	0	—	0	4	59
60	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	21	1	49	0	—	0	2	35
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

HELWAN — 0000 U.T. — APRIL 1961

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Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	5	17	3	6	0	—	1	2	0	—	0	—	0	—	1	39	3	18	5	13	6	17	4	14	0	28	15
700	3	15	1	17	0	—	0	—	0	—	1	2	0	—	1	37	5	27	5	28	9	24	3	14	0	28	22
600	1	12	1	7	0	—	0	—	0	—	0	—	0	—	0	—	3	31	13	22	8	28	3	17	0	29	26
500	1	12	0	—	0	—	0	—	0	—	0	—	0	—	1	14	2	48	14	36	9	42	2	28	0	29	36
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	24	19	55	5	46	2	34	1	28	49
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	20	15	59	2	65	2	40	0	20	56
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	52	6	64	2	63	0	—	0	9	63
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	82	4	53	1	73	0	—	0	6	61
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	47	0	—	0	—	0	3	47
60	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	102	0	—	0	—	0	—	0	1	102
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

HELWAN — 1200 U.T. — APRIL 1961

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Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	4	8	3	12	2	4	2	11	1	9	0	—	0	—	2	16	2	24	4	13	6	12	2	10	0	28	12
700	0	—	1	9	2	7	0	—	0	—	0	—	1	11	2	24	4	29	8	22	7	20	3	16	0	28	20
600	1	10	2	11	0	—	0	—	0	—	0	—	0	—	0	—	9	26	7	32	5	27	4	30	0	28	27
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	52	14	34	6	39	4	18	0	27	35
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	30	18	49	3	63	4	26	0	26	46
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	58	12	60	6	54	2	37	0	22	56
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	39	7	71	3	59	0	—	0	11	65
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	58	0	—	0	—	0	2	58
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	41	0	—	0	—	0	1	41
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 (A) — 0000 U.T. — APRIL 1961

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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 of station	5	9	1	4	0	—	0	—	1	6	0	—	0	—	0	—	0	—	0	—	0	—	1	10	14	22	3
1000...	2	10	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	0	7	9	2
850...	6	12	3	12	2	10	1	10	0	—	1	7	0	—	0	—	0	—	2	12	2	15	5	11	0	22	12
700...	3	18	0	—	0	—	1	6	0	—	0	—	0	—	0	—	3	21	4	26	9	18	2	27	0	22	20
600...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	17	2	24	13	31	5	24	1	18	0	22	28
500...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	17	13	48	7	34	1	18	0	22	41
400...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	112	20	56	0	—	0	—	0	21	59
300...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	15	70	0	—	0	—	0	15	70
200...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	80	2	76	0	—	0	5	78
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 (A)—1200 U.T.— APRIL 1961

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Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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	M	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m			
Surface of station	15	7	0	–	1	5	0	—	0	—	0	—	1	6	1	10	0	—	1	10	0	—	0	—	2	21	6
1000	7	7	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	8	6
850	1	9	3	8	2	10	1	7	0	—	1	17	1	8	0	—	0	—	1	11	3	10	8	14	0	21	11
700	2	8	0	—	1	11	1	5	0	—	0	—	0	—	0	—	2	12	3	37	7	19	5	20	0	21	19
600	1	8	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	42	12	30	3	33	2	10	1	21	27
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	35	15	43	5	34	0	—	0	21	40
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	62	13	52	3	49	0	—	0	19	53
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	0	14	70	1	84	0	—	0	15	71
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	0	2	50	1	84	0	—	0	3	61
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	0	3	96	0	—	0	—	0	3	96
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	0	1	96	0	—	0	—	0	1	96
80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

APRIL 1961

This month was changeable in temperature as compared with normal values of April. The mean air temperature at 2 metres above ground was above normal (+1.1°C), the mean relative humidity was slightly below normal (— 3%) and the monthly rainfall was below normal (—1 mm.). Three heat waves were experienced within the periods (10th-11th), (18th—21st) & (24th — 26th) with peaks on 11th, 19th and 25th respectively. The first heat wave was characterized by the highest surface wind gust at 10 metres (33 knots) and the highest Piche evaporation (26.0 mms. on the 11th). The second heat wave was characterized by the lowest value of relative humidity (10%) and the lowest value of vapour pressure (3.6 mms.). The third heat wave was the most excessive and gave the absolute maximum air temperature at 2 metres (39.5°C).

This month, as usual since the year 1956, was frost free and the absolute minimum temperature at 5 cms. above grass was 0.3°C (2.5°C less than that of last April).

The extreme maximum soil temperatures in the dry field at depths 0.3, 1 and 2 cms. were higher than the corresponding values of April 1960 by 1.4, 1.1 & 2.4°C respectively. At deeper layers the deviation was irregular and ranged between —0.8°C and + 1.2°C. The extreme minimum soil temperatures were lower than last April values, the maximum deviation was — 3.7°C at 10 cms. depth.

The mean wind speed at 2 metres above ground was slightly less (—0.1m/sec.) than the corresponding value of last April. The difference between the daily mean values of Piche evaporation, water pan evaporation, potential evaporation and potential evapotranspiration and the corresponding values of last April were —0.5, + 0.38, — 0.6, — 0.7 mm. respectively. The total actual duration of bright sunshine was 17 hours higher than the corresponding values of April 1960.

REVIEW OF AGRO-METEOROLOGICAL STATION AT TAHRIR

APRIL 1961

This month was characterized by two pronounced heat waves with their peaks on the 11th and 25th. The second heat wave was the most excessive, it gave the extreme maximum air and soil surface temperatures, the highest daily and day time mean air temperatures and the lowest relative humidity of the month. The first heat wave gave the highest night-time mean air temperature and the highest minimum air temperature.

The daily mean air temperature was lower (—0.8°C), the daily mean values of relative humidity and vapour pressure were higher (+ 6% and + 0.4 mm. respectively) and the mean Piche evaporation was lower (— 1.9 mms.) than the corresponding values of last April.

The extreme maximum soil temperatures at depths between 5cms. and 20 cms. in the dry field were higher than the corresponding values of last April (maximum difference + 3.9°C at 5 cms. depth). At depths between 50 cms. and 200 cms. they were slightly lower than the corresponding values of April 1960.

The total (Solar + sky) radiation and the percentage of the total actual to the total possible duration of bright sunshine were higher than the corresponding values of April 1960 by about 550 gm. cal/cm^2 and 10% respectively.

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

GIZA — APRIL 1961.

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	21.9	6.5	15.0	10.1	17.6	24.0	24.0	24.0	17.0	15.0	5.0	0.0	0.0	0.0	0.0	0.0
2	24.5	7.5	17.0	14.0	19.4	24.0	24.0	24.0	20.0	16.0	8.0	0.0	0.0	0.0	0.0	0.0
3	30.7	11.1	20.8	15.6	24.1	24.0	24.0	24.0	24.0	18.5	12.0	9.0	1.0	0.0	0.0	0.0
4	26.5	9.8	17.7	16.5	20.2	24.0	24.0	24.0	24.0	15.5	8.0	1.0	0.0	0.0	0.0	0.0
5	24.3	12.5	17.5	15.3	19.9	24.0	24.0	24.0	24.0	15.5	8.0	0.0	0.0	0.0	0.0	0.0
6	24.4	12.5	17.5	14.9	19.7	24.0	24.0	24.0	24.0	15.0	7.5	0.0	0.0	0.0	0.0	0.0
7	25.2	8.9	17.3	14.2	19.6	24.0	24.0	24.0	23.5	16.0	8.0	0.0	0.0	0.0	0.0	0.0
8	25.5	11.6	18.5	15.6	20.5	24.0	24.0	24.0	24.0	17.0	9.5	0.0	0.0	0.0	0.0	0.0
9	27.7	8.2	19.9	16.1	22.3	24.0	24.0	24.0	22.0	19.0	14.5	5.0	0.0	0.0	0.0	0.0
10	33.8	13.2	23.9	18.6	26.6	24.0	24.0	24.0	24.0	21.0	15.5	12.0	6.0	0.0	0.0	0.0
11	35.6	20.2	26.8	24.5	29.6	24.0	24.0	24.0	24.0	24.0	24.0	13.0	6.0	0.0	0.0	0.0
12	28.6	15.3	22.1	21.7	23.5	24.0	24.0	24.0	24.0	24.0	18.0	6.0	0.0	0.0	0.0	0.0
13	28.7	11.1	20.5	17.0	23.6	24.0	24.0	24.0	24.0	18.0	14.0	6.5	0.0	0.0	0.0	0.0
14	26.6	13.7	20.1	18.9	22.3	24.0	24.0	24.0	24.0	23.0	10.5	3.0	0.0	0.0	0.0	0.0
15	25.4	13.8	18.7	16.5	20.4	24.0	24.0	24.0	24.0	19.5	9.0	0.0	0.0	0.0	0.0	0.0
16	26.0	13.7	19.0	16.7	21.2	24.0	24.0	24.0	24.0	19.0	9.5	0.0	0.0	0.0	0.0	0.0
17	28.1	13.3	19.8	16.6	22.0	24.0	24.0	24.0	24.0	18.0	11.0	5.5	0.0	0.0	0.0	0.0
18	31.5	12.7	21.8	17.4	24.8	24.0	24.0	24.0	24.0	20.5	14.5	8.0	3.0	0.0	0.0	0.0
19	33.5	12.5	23.7	19.3	26.7	24.0	24.0	24.0	24.0	22.0	16.0	10.5	6.5	0.0	0.0	0.0
20	32.3	11.6	22.5	19.2	25.6	24.0	24.0	24.0	24.0	18.0	14.0	9.5	5.5	0,0	0.0	0.0
21	32.9	11.8	22.2	18.3	25.6	24.0	24.0	24.0	24.0	17.5	13.5	10.0	5.5	0.0	0.0	0.0
22	29.2	14.0	20.6	18.4	23.1	24.0	24.0	24.0	24.0	20.5	12.0	6.0	0.0	0.0	0.0	0.0
23	29.0	11.4	20.9	18.0	22.8	24.0	24.0	24.0	24.0	21.5	14.0	7.0	0.0	0.0	0.0	0.0
24	34.4	12.7	23.6	18.8	27.2	24.0	24.0	24.0	24.0	20.0	16.0	10.0	7.0	0.0	0.0	0.0
25	39.5	18.7	27.9	20.9	32.5	24.0	24.0	24.0	24.0	24.0	17.0	13.5	10.0	7.0	0.0	0.0
26	30.8	16.6	22.0	21.2	24.5	24.0	24.0	24.0	24.0	24.0	12.5	7.5	0.5	0.0	0.0	0.0
27	28.4	13.8	20.9	18.1	22.8	24.0	24.0	24.0	24.0	20.0	13.0	6.0	0.0	0.0	0.0	0.0
28	33.8	13.2	22.2	18.8	26.0	24.0	24.0	24.0	24.0	23.0	12.0	8.0	4.5	0.0	0.0	0.0
29	27.6	14.2	20.5	17.1	22.3	24.0	24.0	24.0	24.0	22.0	13.0	4.5	0.0	0.0	0.0	0.0
30	32.1	15.5	23.5	18.9	26.0	24.0	24.0	24.0	24.0	24.0	16.5	9.5	3.5	0.0	0.0	0.0
Total ...	—	—	—	—	—	720.0	720.0	720.0	706.5	591.0	376.0	171.0	59.0	7.0	0.0	0.0
Mean ...	29.3	12.7	20.8	17.6	23.4	24.0	24.0	24.0	23.6	19.7	12.5	5.7	2.0	0.2	0.0	0.0

Highest maximum at 2 metres 39.5 °C on 25 th. Highest minimum at 2 metres 20.2 °C on 11 th

Lowest maximum at 2 metres 21.9 °C on 1 st. Lowest minimum at 2 metres 6.5 °C on 1 st.

Absolute minimum temperature at 5 cms. above dry soil 1.6 °C on 1 st.

" " " " wet " 3.5 °C " 1 st.

" " " " grass 0.3 °C " 1 st.

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

TAHRIR—APRIL 1961

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	22.5	9.6	15.0	11.4	17.9	24.0	24.0	24.0	20.0	12.0	5.0	0.0	0.0	0.0	0.0	0.0
2	22.2	8.0	15.1	11.4	17.8	24.0	24.0	24.0	17.5	13.0	5.0	0.0	0.0	0.0	0.0	0.0
3	28.6	11.4	18.7	13.9	22.3	24.0	24.0	24.0	24.0	15.0	10.0	5.5	0.0	0.0	0.0	0.0
4	26.0	11.1	17.6	15.0	20.6	24.0	24.0	24.0	24.0	15.0	8.0	1.5	0.0	0.0	0.0	0.0
5	23.5	11.6	16.9	14.6	19.5	24.0	24.0	24.0	24.0	13.0	7.0	0.0	0.0	0.0	0.0	0.0
6	24.1	12 0	17.0	14.0	19.8	34.0	24.0	24.0	24.0	13.5	7.5	0.0	0.0	0.0	0.0	0.0
7	25.5	10.7	16.9	13.0	20.0	24.0	24.0	24.0	24.0	13.5	8.5	0.0	0.0	0.0	0.0	0.0
8	25.7	12.1	17 9	14.7	20.8	24.0	24.0	24.0	24.0	15.5	8.0	0.5	0.0	0.0	0.0	0.0
9	27.8	9.4	18.5	13.6	22.0	24.0	24.0	24.0	23.5	16.5	10.5	5.5	0.0	0.0	0.0	0.0
10	32.5	12.8	22.4	16.4	25.6	24.0	24.0	24.0	24.0	19.5	16.0	9.0	3.5	0.0	0.0	0.0
11	35.0	18.0	25.6	22.9	29.3	24.0	24.0	24.0	24.0	24.0	20.5	11.5	5.0	0.0	0.0	0.0
12	28.6	15.4	21.2	18.7	24.2	24.0	24.0	24.0	24.0	24.0	11.5	7.0	0.0	0.0	0.0	0.0
13	26.8	12.6	19.6	16.4	22.3	24.0	24.0	24.0	24.0	20.5	10.5	5.0	0.0	0.0	0.0	0.0
14	25.5	14.0	18.5	16.2	20.8	24.0	24.2	24.0	24.0	19.0	8.0	0.0	0.0	0.0	0.0	0.0
15	25.3	13.1	18.2	15.3	20.6	24.0	24.0	24.0	24.0	16.0	9.0	0.0	0.0	0.0	0.0	0.0
16	25.6	11.9	18.1	14.6	20.9	24.0	24.0	24.0	24.0	16.0	9.0	0.5	0.0	0.0	0.0	0.0
17	27.5	12.9	19.0	15.2	21.9	24.0	24.0	24.0	24.0	15.5	9.5	4.5	0.0	0.0	0.0	0.0
18	29.0	10.3	19.7	14.7	23.5	24.0	24.0	24.0	24.0	16.0	11.5	7.5	0.0	0.0	0.0	0.0
19	32.0	12.0	21.2	15.8	25.3	24.0	24.0	24.0	24.0	17.0	12.0	8.5	4.0	0.0	0.0	0.0
20	32.0	11.5	21.1	16.3	25.4	24.0	24.0	24.0	24.0	17.5	12.0	8.5	4.0	0.0	0.0	0.0
21	32.1	11.3	21.3	16.2	25.6	24.0	24.0	24.0	24.0	17.0	12.0	8.5	4.0	0.0	0.0	0.0
22	27.2	14.3	19.5	17 3	22.0	24.0	24.0	24.0	24.0	21.5	10.0	3.5	0.0	0.0	0.0	0.0
23	28.5	12.1	19.8	15.6	22.6	24.0	24.0	24.0	24.0	17.5	11.5	6.0	0.0	0.0	0.0	0.0
24	34.5	13.1	23.7	17.1	27.1	24.0	24.0	24.0	24.0	19.5	16.5	10.5	6.5	0.0	0.0	0.0
25	40.0	17.6	27.0	21.5	32.8	24.0	24.0	24.0	24.0	24.0	16.0	12.5	9.5	0.0	0.0	0.0
26	29.0	15.2	20.8	18.7	23 8	24.0	24.0	24.0	24.0	24.0	11.0	7.0	0 0	6.0	0.0	0.0
27	27.5	12.2	19.5	15.8	22.1	24.0	24.0	24.0	24.0	18.0	11.0	4.5	0.0	0.0	0.0	0.0
28	33.6	13.2	20.8	16.3	24.7	24.0	24.0	24.0	24.0	18.0	10.5	7.0	3.5	0.0	0.0	0.0
29	27.0	12 9	19.3	15.7	21.9	24.0	24.0	24.0	24.0	18.0	10.5	4.0	0.0	0.0	0.0	0.0
30	30.4	12.3	21.1	15.6	24.3	24.0	24.0	24.0	24.0	17.5	13.0	8.5	0.5	0.0	0.0	0.0
Total ..	—	—	—	—	—	720.0	720.0	720.0	709.0	527.0	321.0	147.0	40.5	6.0	0.0	0.0
Mean ..	28.5	12.4	19.7	15.8	22.9	24.0	24.0	24.0	23.6	17.6	10.7	4.9	1.4	0.2	0.0	0.0

Highest Maximum at 2 metres 40.0°C on 25.th — Highest Minimum at 2 metres 18.0°C on 11th.

Lowest Maximum at 2 mertes 22.2°C on 2nd. — Lowest Minimum at 2 metres 8.0°C on 2nd.

Absolute minimum temperature at 5 cms. above dry soil — 5.5 °C on 2nd.

" " " " " " Wet soil — °C on —

" " " " " " Grass — °C on —

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

GIZA — APRIL 1961

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	0.7	3.2	545	9.3	12.5	74	1	7	58	40	7.5	7.3	10.9	6.89	0.0
2	2.8	2.1	3.9	454	7.2	12.5	58	1	5	52	22	6.5	4.7	15.5	8.47	0.0
3	2.4	2.2	2.7	485	9.1	12.6	72	0	3	46	21	7.4	6.3	15.5	8.24	0.0
4	1.9	1.3	2.7	564	9.2	12.6	73	2	6	68	47	10.2	10.7	8.4	5.58	0.0
5	3.0	2.5	3.8	541	8.6	12.6	68	6	10	75	45	10.3	9.5	9.1	6.76	0.0
6	2.2	1.5	3.3	488	8.2	12.6	65	0	9	69	38	9.2	8.1	9.0	6.17	0.0
7	1.8	1.1	2.8	542	8.7	12.7	69	5	8	70	37	9.8	8.4	8.7	6.42	0.0
8	1.8	1.4	2.4	583	9.9	12.7	78	3	7	62	35	8.9	7.9	9.6	7.05	0.0
9	1.5	1.2	1.9	584	9.5	12.7	75	2	4	40	21	6.5	5.5	13.9	8.16	0.0
10	1.5	1.0	2.2	466	7.3	12.8	57	0	0	30	18	6.0	6.2	23.1	10.96	0.0
11	3.8	2.5	5.7	421	4.1	12.8	32	0	0	32	12	7.1	5.1	26.0	12.04	0.0
12	2.2	2.2	2.1	378	3.5	12.8	27	0	0	50	36	9.1	8.9	11.4	7.05	0.0
13	1.6	0.9	2.7	597	10.6	12.8	83	0	0	48	25	8.3	6.4	14.5	9.30	0.0
14	3.3	2.8	4.0	563	10.4	12.9	81	0	5	70	44	11.0	10.5	11.6	8.97	0.0
15	2.6	2.3	3.1	446	7.0	12.9	54	0	9	72	46	10.6	10.1	9.9	7.12	0.0
16	2.8	2.4	3.4	546	10.2	12.9	79	5	9	68	36	9.8	8.3	11.4	7.73	0.0
17	3.1	2.5	3.9	589	10.5	13.0	81	4	9	63	33	9.3	8.6	14.5	8.95	0.0
18	3.6	2.9	4.5	594	11.3	13.0	87	4	8	56	19	8.8	6.2	21.4	12.30	0.0
19	3.2	2.9	3.6	613	12.2	13.0	94	0	2	37	11	6.2	3.8	23.0	12.70	0.0
20	3.0	2.5	3.7	616	12.1	13.0	93	0	6	48	24	8.6	8.5	19.7	11.01	0.0
21	2.4	2.3	2.5	627	12.2	13.1	93	0	6	56	15	8.5	5.1	16.4	9.89	0.0
22	2.6	2.4	3.0	606	10.6	13.1	81	2	6	62	27	9.6	7.6	13.4	9.42	0.0
23	2.2	2.0	2.6	577	11.1	13.1	85	1	4	63	29	10.0	7.8	13.5	9.40	0.0
24	1.6	1.6	1.6	558	12.2	13.1	93	0	5	51	17	8.9	6.4	15.1	9.63	0.0
25	2.0	1.0	3.5	578	10.6	13.2	80	0	0	34	12	7.8	6.2	21.6	12.06	0.0
26	3.4	3.1	3.8	557	9.8	13.2	74	0	8	63	27	10.1	8.6	16.4	10.91	0.0
27	3.2	3.0	3.5	602	10.7	13.2	81	0	5	63	37	10.8	9.9	13.7	8.71	0.0
28	2.8	2.2	3.7	586	11.6	13.2	88	0	3	56	17	8.6	6.1	16.6	9.99	0.0
29	2.4	2.1	2.7	613	12.2	13.3	92	0	4	56	38	9.8	9.4	13.0	8.60	0.0
30	2.7	2.5	2.9	608	12.2	13.3	92	0	2	48	17	8.7	5.8	18.7	11.55	0.0
TOTAL	—	—	—	16527	292.1	387.2	2259	36	150	—	—	—	—	445.5	272.53	0.0
Mean	2.5	2.0	3.2	550.9	9.7	12.9	75	1.2	5.0	56	28	8.8	7.5	14.8	9.08	0.0

Maximum amount of rainfall in one day	0.0	mms. on	—
Lowest value of relative humidity	10	% on	19th.
Highest value of vapour pressure	13.4	mms. on	26th.
Lowest value of vapour pressure	3.6	mms. on	19th.

TABLE C 2—WIND SPEED, (SOLAR + SKY) RADIATION, DURATION OF BRIGHT SUNSHINE, RELRTIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE GROUND, EVAPORRTION AND RAINFALL

TAHRIR — APRIL 1961

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	3.5	2.9	4.4	528	10.1	12.5	81	0	3	68	37	8.0	7.1	10.0	—	0.0
2	3.2	2.0	4.8	435	6.7	12.5	54	0	7	69	38	8.1	7.1	10.5	—	0.0
3	4.5	3.6	6.0	490	9.9	12.6	79	1	8	68	34	9.5	9.1	15.1	—	0.0
4	3.9	2.8	5.4	568	11.2	12.6	90	6	10	78	39	10.4	9.6	10.9	—	0.0
5	4.3	3.5	5.5	564	11.3	12.6	90	7	9	76	43	9.9	9.1	9.7	—	0.0
6	3.8	3.1	4.9	574	10.8	12.6	86	0	10	76	37	9.5	8.0	10.3	—	0.0
7	3.7	2.9	4.8	623	11.4	12.7	90	6	8	75	37	9.8	8.1	11.0	—	0.0
8	3.1	2.3	4.2	601	10.0	12.7	79	0	6	65	37	9.3	8.9	10.3	—	0.0
9	2.0	1.8	2.2	541	11.0	12.7	87	0	7	58	18	7.5	4.5	12.6	—	0.0
10	4.1	3.3	5.5	459	7.1	12.8	55	0	0	34	17	6.3	5.9	29.7	—	0.0
11	6.2	5.1	7.5	480	7.6	12.8	59	0	0	38	31	8.3	9.7	25.7	—	tr.
12	3.1	2.2	4.3	565	11.0	12.8	86	0	0	44	29	8.5	8.4	16.2	—	0.0
13	3.0	2.2	4.3	570	11.4	12.8	89	0	0	54	32	8.7	8.3	14.2	—	0.0
14	3.8	3.0	5.0	565	11.4	12.9	88	1	7	70	45	10.5	10.3	11.4	—	0.0
15	3.9	3.3	4.8	454	9.6	12.9	74	0	10	76	41	10.6	9.0	10.6	—	0.0
16	3.8	3.2	4.7	547	12.0	12.9	93	6	9	74	36	10.0	8.3	11.1	—	0.0
17	3.8	3.0	5.0	594	11.9	13.0	92	6	10	70	28	9.6	7.4	13.5	—	0.0
18	3.6	2.9	4.6	580	10.9	13.0	84	2	8	68	25	9.4	7.3	16.7	—	0.0
19	3.5	2.9	4.3	602	12.2	13.0	94	6	7	56	18	8.6	6.0	17.4	—	0.0
20	3.8	3.3	4.5	588	11.9	13.1	91	0	8	62	16	9.0	5.5	17.8	—	0.0
21	2.7	2.1	3.7	575	12.5	13.1	95	0	0	62	15	8.9	5.2	16.7	—	0.0
22	3.7	3.2	4.3	616	12.5	13.1	95	3	7	68	34	10.1	8.5	12.7	—	0.0
23	2.4	2.2	2.7	583	11.9	13.2	90	0	8	74	26	10.5	7.1	10.7	—	0.0
24	3.1	2.6	3.6	558	12.3	13.2	93	3	7	44	18	8.0	6.6	20.9	—	0.0
25	4.5	2.8	7.2	534	10.3	13.2	78	0	8	44	11	8.5	5.8	26.3	—	0.0
26	4.5	3.9	5.5	588	11.2	13.2	85	3	9	64	29	10.1	8.4	16.9	—	0.0
27	3.1	2.4	4.0	623	12.0	13.3	90	0	7	66	37	10.5	9.5	12.1	—	0.0
28	4.5	2.7	7.2	607	12.7	13.3	95	0	6	65	20	9.6	7.2	19.1	—	0.0
29	3.6	3.3	4.0	612	12.5	13.3	94	0	6	63	39	10.1	9.6	12.2	—	0.0
30	3.2	2.8	3.9	578	11.7	13.3	88	0	7	60	30	10.5	9.3	14.5	—	0.0
Total.	—	—	—	16802	329.1	387.7	—	50	192	—	—	—	—	446.8	—	tr.
Mean	3.7	2.9	4.8	560.1	11.0	12.9	85	1.7	6.4	63	30	9.3	7.8	14.9	—	0.0

Maximum amount of rainfall in one day	tr.	mms	on 11th
Lowest value of relative humidity	11	%	on 11th and 25th.
Highest value of vapour pressure	13.6	mms.	on 25th.
Lowest value of vapour pressure	4.0	mms.	on 9th.

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

GIZA — APRIL 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0·3	60.1	7.7	32.4	8.0	31.5	10.8
1	56.1	8.3	30.4	8.2	28.8	10.6
2	51.7	9.0	28.5	8.6	27.8	10.9
5	40.0	12.2	28.5	9.9	25.8	11.8
10	33.3	16.6	26·9	12.2	24.6	14.2
20	28.3	19.7	25.3	14.6	23.2	15.7
50	26.4	21.1	20.9	16.2	21.6	17.2
100	24.3	21.4	19.5	16.7	20.2	17.7
200	22.9	22.0	18.6	17.9	19.8	19.2
300	23.3	23.1	—	—	—	—

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

TAHRIR — APRIL 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	52.8	8·8	—	—	—	—
1	50.8	9.0	—	—	—	—
2	48.0	9.9	—	—	—	—
5	42.3	11.7	—	—	—	—
10	36.5	13.9	—	—	—	—
20	30.3	16.3	—	—	—	—
50	26.1	18.8	—	—	—	—
100	24.1	19.8	—	—	—	—
200	22.3	20.3	—	—	—	—
300	21.9	20.8	—	—	—	—

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

GIZA — APRIL 1961

10 Knots or more	...	27 Days		30 Knots or more	...	0 Days.
15 " "	...	9 "		35 " "	...	0 "
20 " "	...	2 "		40 " "	...	0 "
25 " "	...	0 "		The highest gust 33 knots on 11th.		

G.O., Govt. Printing Offices 2920-1966-150 ex.

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 4 NUMBER 5

MAY, 1961

U.D.C. 551. 506.1 (62)

MINISTRY OF MILITARY PRODUCTION — METEOROLOGICAL DEPARTMENT
CAIRO - EGYPT

CONTENTS

PAGE

General Summary of Weather Conditions 1-5

Surface Data

TABLE A 1.—Monthly mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level 6,7
" A 2.—Monthly Mean Values of the Dry Bulb and wet Bulb Temperatures, and the Relative Humidity at Fixed Hours 8,9
" A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity 10,11
" A 4.—Maximum and Minimum Air Temperatures 12,13
" A 5.—Rainfall and Snow Depth 14,15
" A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 16
" A 7.—Soil Temperatures at Fixed Hours 17-19
" A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena 20,21
" A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges 22,23
" A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 24-46

Upper Air Data

TABLE B 1.—Upper Air Climatological Data 47-50
" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause ; the Highest Wind Speed in the Upper Air 51,52
" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. 53-59

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir 60
TABLE C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields 61,62
" C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall 63,64
" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields 65
" C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity 66

Note :—For explanatory notes on the tables, please refer to volume 4 number 1 (January 1961).

GENERAL SUMMARY OF WEATHER CONDITIONS

MAY 1961

Remarkably changeable weather. Excessive heat wave over Egypt round end of the month. Widespread rain between the 5th and 8th with scattered thunderstorm cells. Dusty weather at Palmyra, Raqqa and Abu Kamal.

THE MAIN FEATURES

—Five consecutive heat waves, the second of which was excessive in the Northern Region, and the last of which was excessive in the Southern Region. Maximum temperature records at Alexandria, Siwa and El Kharga. A pronounced mild spell during the 2nd week.

—Subnormal relative humidity in general during the 2nd half of the month and remarkably above normal values during the 2nd week.

—Widespread rain over the Northern Regino and the Northern part of the Southern Region between the 5th & 8th; heavy in scattered localities where the daily values exceeded 10 mms. in each.

—A relative deepening in each of the troughs of low pressure over Iraq and Sudan towards East Mediterranean. Five consecutive Khamsin transits through the Northern part of Egypt during this month.

—Scattered thunderstorms between the 5th & 8th.

—Occasional rising dust and sand in El Gezeira and Desert districts of the Northern Region.

GENERAL DESCRIPTION OF WEATHER

During this month, both Regions of the Republic experienced five consecutive heat waves of short duration during which hot streams of air prevailed and invaded either the Northern Region from India via Iraq or the Southern Region from the Western Desert. The prevailing heat waves attained their peaks round the 2nd, 14th, 20th, 25th & 30th. The second heat wave was the most excessive in the Northern Region while the last was the most excessive in the Southern Region. On the 14th, maximum temperature reached 37°C (9°C above normal) at Damascus, 38 °C (+10 °C) at Aleppo ; on the 15th it reached 40 °C (+9 °C) at Deir Ezzor; on the 30th it was 45 °C (+17 °C) at Alexandria, 44 °C (+ 10 °C) at Cairo and on the 31st it was 48 °C (+ 12 °C) at Minya, 48 °C (+ 14°C) at Siwa & 49°C(+ 11°C) at Kharga. It is noteworthy that last maximum temperatures at Alexandria, Siwa & Kharga are records for months of May.

Mild spells followed the prevailing heat waves and were characterized by rather cold air streams blowing from Turkey and Greece. The first mild spell was pronounced and of long duration. It prevailed between the 3rd and the 10th but was rainy and occasionally thundery round the period (5th — 8th) during which heavy rain and hail fell over scattered places of both Regions. On the 5th, the daily rainfall reached 18 mms. at Dekheila & Mansoura and 23 mms. at Zagazig. On the 7th, it reached 59 mms. at Lattakia.

Moreover, the prevailing weather over loose dust and Desert areas of the Northern Region was almost dusty and sandy respectively most part of the month. Palmyra was sandy for 13 days, Raqqa & Abu Kamal were dusty for 16 & 24 days respectively.

The monthly mean values of various meteorological elements for different districts and their deviations from their corresponding values are given in the following table.

District	Atmospheric pressure (mb.) Corrected to M.S.L.			Air temperature (°C)						Relative humidity (%)			Total rainfall (mms)	
				Maximum (A)		Minimum (B)		(A+B)/2						
	Derivation of the mean values (a,c)	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Derivation of the mean values (a,e)	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	a	1012.7	— 0.6	27.3	+ 1.3	16.6	+ 0.2	21.9	+ 0.8	a	58	— 12	5.4	+ 3.3
Lower Egypt	c	1013.0	+ 0.1	32.0	+ 0.7	15.2	— 0.2	23.6	+ 0.2	e	64	— 2	9.3	+ 6.5
Cairo Area	a	1012.2	— 0.3	33.2	+ 0.5	17.2	+ 0.2	25.2	+ 0.4	a	37	— 7	2.9	+ 1.2
Upper Egypt	a	1010.8	+ 0.6	36.1	— 0.2	17.7	— 1.3	26.9	— 0.8	a	24	— 8	tr	— 0.4
Western Desert	a	1011.6	+ 0.2	36.2	+ 0.4	16.6	— 2.2	26.4	— 0.9	a	23	— 9	0.0	— 0.4
Red Sea	a	1009.4	— 0.1	30.8	+ 0.0	20.8	— 0.8	25.8	— 0.4	a	44	— 10	0.1	— 0.3

a = the 24 hours mean. c = 4 main synoptic hours mean. e = 06 and 18 U.T. hours mean.

PRESSURE DISTRIBUTION

This month started with two anticyclones, the Siberian anticyclone occupying SW Russia, and the Atlantic anticyclone approaching Spain and extending southeastwards in a ridge of high pressure through North Africa, the Iraq & Sudan troughs of low pressure and a secondary depression over Greece with its V-shaped shallow trough skirting Egyptian Western Desert.

On the 2nd, the secondary depression over Greece proceeded eastwards and traversed Asia Minor while its shallow V-shaped trough traversed Nothern Egypt. On the 3rd, the whole system changed its path and proceeded northeastwards and followed its track till the 4th when two troughs of low pressure appeared, one over the Black Sea and the other over Iraq. The Iraqian trough deepened appreciably on the 5th, 6th & 7th and showed a northwest elongation towards East Mediterranean while high pressure established over Central Mediterranean and North Africa.

On the 8th, a secondary depression appeared over West Mediterranean ; it started its motion eastwards, reached Central Mediterranean on the 9th, Greece on the 10th, while on the 11th, a shallow Khamsin depression developed at its Southern trough over Cyrenica. The whole low pressure system afterwards started a northeast track towards the Black Sea vicinities, giving a chance to a practical northward elongation of the Sudan trough of low pressure on the 12th and 13th.

During the 2nd half of the month, three more secondary depressions developed over West Mediterranean, Algiers and Tunisia round the 15th, 22nd and 26th respectively.

The first two secondary depressions shooted rapidly towards Central Mediterranean and reached Sicily round the 17th and the 24th, then proceeded eastwards towards East Mediterranean and reached Greece round the 20th & 25th respectively, while two shallow Khamsin depressions developed at their Southern troughs over Western Egyptian Desert. The two khamsin disturbances shooted rapidly eastwards and traversed Lower Egypt round the 21st & 26th respectively. Their motion was directly related with their primaries, NE displacements towards the Black Sea. The last secondary depression in this system originated over Tunisia on the 26th where it deepened appreciably while enlarging its cyclogenetic area; and on the 28th it included northwest Africa and started its displacement eastwards, it traveresed Lybia on the 29th and proceeded through the Northern part of Egypt as a Khamsin disturrbance on the 30th & 31st.

Consequently the barometric pressure over East Mediterranean coastal and precoastal districts was in general oscillatory and subnormal with the exception of the 3rd week and short intervals in the 2nd & 4th weeks when it exceeded its normal pronouncedly.

SURFACE WIND

In the Northern Region, the prevailing winds were light to moderate, Nly round the periods (3rd — 8th), (14th — 18th) , (21st — 23rd) & (25th — 28th); E/NE ly round periods 1st, (9th — 13th), (19th — 20th) & 24th ; S/SE ly otherwise. In the Southern Region light/moderate N/NW ly winds prevailed between the 1st & 8th, N/NE ly winds prevailed round the periods (9th —13th) & (21st —28th); and S/SW ly winds prevailed otherwise.

Winds of S ly components blew in advance of the Khamsin disturbances in the Egyptian Region and in the Southern limits of the Mediterranean secondaries over Cyprus or Asia Minor in the Northern Region.

Fresh/strong winds accompanied the transits of either Khamsin disturbances over Egyptain Region or trailing cold fronts of the East Mediterranean depressions through Syria or northern vicinities.

In the Southern Region over scattered localities, the surface wind dropped calm many nights and early morning intervals particularly over Western Desert, Cairo area & Upper Egypt districts ; while it reached gale force at Hurghada on the (14th — 17th) and 19th.

TEMPERATURE

Variability in temperature this month was pronounced and five consecutive heat waves, separated by four variant mild spells. were experienced.

In the Northern Region maximum temperature exceeded its normal most of the month with the exception of two mild periods within the 2nd & 4th weeks during which it was below normal. During the hot periods, its values ranged between 25 & 35 °C over the coastal and precoastal districts and between 30 & 40 °C in the far inland districts, but during the mild periods its values ranged between 15 & 25 °C in the coastal and precoastal districts and between 20 & 30 °C in the far inland districts.

In the Southern Region, maximum temperature was generally above its normal most of the 2nd half of the month and during two short periods in the 1st & 2nd weeks, while it was subnormal otherwise in the mild periods. During the hot intervals its values ranged between 25 & 45 °C in the Northern districts and between 35 and 48 °C in the Southern districts while during the mild periods its values ranged between 22 & 30 °C and between 28 & 33°C in the Northern & Southern districts respectively.

The absolute maximum temperature of the Northern Region was 44.0 °C at Himmah on the 14th and its corresponding value for the Southern Region was 49.3 °C at Kharga on the 31st.

Minimum temperature on the other hand, was oscillatory and its variability was less marked than the maximum temperature variability.

In the Northern Region it oscillated round normal in the Coastal district and generally above normal elsewhere and its valus ranged between 13 & 20 °C and between 8 & 23 °C in these districts respectively.

In the Southern Region, minimum temperature oscillated round normal in the Mediterranean coastal district and below normal elsewhere and its values ranged between 9 & 22 °C and between 13 & 26 °C in these districts respectively.

The absolute minimum temperature for the Northern Region was — 2.8 °C at Madaya on the 18th, while its corresponding value for the Southern Region was 8.5°C at Dakhla on the 6th and at Dabaa on the 19th.

PRECIPITATION

This month was characterized with a rainy period between the 5th and the 8th during which rain fell over most districts of the Northern Region while it was confined to the Mediterranean, Lower Egypt and Cairo area districts of the Southern Region.

The total monthly rainfall exceeded its normal over scattered parts in both Regions particularly of the Mediterranean coastal and precoastal districts where the daily rainfall was heavy, accompanied with thunderstorms & hail and exceeded 10 mms in general.

The absolute total monthly rainfall for the Northern Region was 93.8 mms.at Shukran (Coastal district), while its corresponding value for the Southern Region was 42.5 mms. at Zagazig. The absolute daily rainfall in the Northern Region was 63.3 mms.at Buka (Coastal area) on the 7th, while its corresponding value for the Southern Region was 22.5 mms. at Zagazig on the 5th.

MISCELLANEOUS WEATHER PHENOMENA

SOUTHERN REGION

Thunderstorms occurred at : Dekheila on the 6th ; Balteam on the 5th ; Alexandria, Damietta & Port Said on the 5th & 6th ; Ghazza on the 7th ; Abu Sueir, Wadi El Natrun & Fayed on the 5th ; Inshas on the 6th ; Cairo on the 5th & 6th ; Mostafa Helmi on the 5th ; Almaza on the 6th and at Abbasiya on the 5th & 6th.

Mist Patches developed at : Sallum on the 1st & 9th ; Alexandria on the 19th & 22nd ; Ghazza on the 1st ; Tahrir on the 9th, 10th, 11th, 13th, 14th, 17th, 19th, 23rd & 27th ; Abu Sueir on the 7th & 8th ; Inshas on the 27th ; Cairo on the 7th, 17th & 18th ; Mostafa Helmi on the 9th, 10th, 11th, 17th, 23rd & 26th ; Almaza on the 4th, 7th, 17th & 18th ; Abbasiya on the 18th ; and at Giza on the 19th.

Fog patches developed at : Mersa Matruh on the 12th ; Alexandria on the 11th & 24th ; El Arish & Ghazza on the 14th ; Tahrir on the 18th & 22nd ; Abu Sueir on the 14th ; and at Mostafa Helmi on the 19th & 27th.

Local rising sand or dust was reported at : Sallum on the 6th &20th ; Mersa Matruh on the 25th ; Dabaa & Balteam on the 30th ; El Arish on the 12th ; Ghazza on the 31st ; Tanta on the 5th ; Tahrir on the 5th, 25th & 30th ; Abu Sueir on the 2nd & 14th ; Zaher on the 7th & 14th ; Wadi El Natrun on the 6th & 14th ; Inshas & Cairo on the 14th ; Mostafa Helmi on the 2nd, 6th, 13th, 15th & 30th ; Almaza, Abbasiya, Imbaba & Giza on the 14th ; Fayoum on the 2nd ; Beni Suef on the 14th, 15th & 17th ; Minya & Asyout on the 14th & 15th ; Luxor on the 7th & 15th; Siwa on the 6th; Farafra on the 14th & 15th ; Dakhla on the 15th ; Kharga on the 6th, 7th, (14th—18th), 20th & 23rd ; Tor on the 14th, 16th & 18th; Hurghada on the 17th and at Quseir on the 7th, 13th, 17th, 27th, 28th & 29th.

Sand or duststorms blew over : Dabaa on the 25th ; El Arish on the 6th ; Tahrir on the 6th & 14th ; Abu Sueir on the 5th; Fayed on the 5th, 6th & 14th; Kabrit on the 5th&14th; Mostafa Helmi & Fayoum on the 14th ; Minya & Luxor on the 6th ; Aswan on the 15th ; Bahariya on the 6th ;Tor on the 15th ; Hurghada on the 15th & 16th andr over Quseir on the 6th, 15th & 16th,

Cairo, October 1966

M. F. TAHA
UNDER SECRETARY OF STATE
DIRECTOR GENERAL
METEOROLOGICAL DEPARTMENT

TABLE A 1.— MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "HP" AND TO MEAN SEA LEVEL

MAY 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal
MEDITERRANEAN	Sallum	6·0	1012.4	—	1013.2	+0.5	1012.8	+0.6	1012.9	+0.5	5.2	1012.9	—	1013.7	+0.6	1013.3	+0.7	1013.4	+0.6
	Sidi Barrani	22.8	1009.7	−0.9	1010.4	−0.7	1010.0	−1.1	1010.1	−0.6	24.6	1012.3	−0.9	1013.0	−0.7	1112.6	−1.1	1012.7	−0.6
	Mersa Matruh (A)	30.0	1009.5	+0.3	1009.9	+0.2	1010.0	+0.5	1009.8	+0.4	30.0	1013.2	+0.3	1013.6	+0.2	1013.7	+0.5	1013.5	+0.4
	Dabaa	18·0	1010.5	—	1011.1	—	1011.1	—	1010.8	—	17·8	1012.5	—	1013.1	—	1013.1	—	1012.8	—
	Dekheila (A)	6.0	1012.6	—	1013.3	+0.3	1012.9	+0.6	1012.6	—	5·9	1013.2	—	1013.9	+0.3	1013.5	+0.6	1013.2	—
	Alexandria (A)	7·0	1012·1	−0.3	1012.8	+0.7	1012.3	+0.5	1012.2	+0.4	6·8	1012·9	−0.3	1013.6	+0.7	1013.1	+0.5	1013 0	+0.4
	Balteam	2.0	1012.9	—	1013.5	—	1012 9	—	1012.9	—	2.0	1013·1	—	1013.7	—	1013.1	—	1013.0	—
	Damietta	5·0	1012.1	—	1012·6	0.0	1012.1	−0.1	1012.0	−0.2	5.0	1012.5	—	1013.0	0.0	1012.5	−0.1	1012 4	−0.2
	Port Said (A)	7.4	1011.7	+0.4	1012·4	+0.3	1011.9	+0.2	1011.8	+0.1	6.1	1012.4	+0.4	1013.1	+0·3	1012.6	+0.2	1012.5	+0.1
	El Arish	17.1	1010.7	−0.5	1011.6	−0.3	1010.8	−0.6	1011.0	−0.5	17·1	1011.9	−0.5	1012.8	−0.3	1012.0	−0.6	1012.2	−0.5
	Ghazza	15·7	1010.5	—	1011.1	—	1010.5	—	1010·6	—	15·7	1012.4	—	1012.9	—	1012.3	—	1012.4	—
LOWER EGYPT	Mansoura	8·0	1012.1	—	1012.4	0·0	1011.3	−0.1	1011.7	−0.3	7·1	1012.9	—	1013.2	0 0	1012.1	−0.1	1012.5	−0.3
	Damanhour	6·7	1013.5	—	1012·9	+0.2	1012.5	+0.6	1012.7	+0.4	6·7	1014.1	—	1013.6	+0.2	1013.2	+0.6	1013.3	+0.3
	Gimmeiza	8.9	1012.3	—	1012.5	−0.1	1011.7	+0.3	1011.8	−0.2	8.9	1013.3	—	1013.5	−0.1	1012.7	+0.3	1012.8	−0.2
	Tanta	14·8	1011·4	—	1011.7	−0.4	1010.7	0.0	1011.3	−0.2	15·4	1012.6	—	1012.9	−0.4	1011.9	0.0	1012.5	−0.2
	Tahrir	16·0	1010.7	—	1011.2	—	1009.8	—	1010.3	—	18·6	1012.9	—	1013.4	—	1012.0	—	1012.5	—
	Shebin El-Kom	17.9	1010.3	—	1011.0	−0.5	1009.7	−0.5	1010.1	+0.7	17.9	1012.5	—	1013·3	−0.5	1011.7	−0.5	1012.4	−0.6
	Zagazig	13.0	1011.8	—	1012.1	+0.5	1010.7	+0.4	1011.6	+0.4	13.0	1013.4	—	1013.7	+0.5	1012.3	+0.4	1013.1	+0.3
	Abu Sueir (A)	16.0	1011.0	—	1011.7	—	1010.2	—	1011.1	—	16.0	1012.9	—	1013.6	—	1012.0	—	1012.9	—
	Zaher (A)	23.5	1008.5	—	1008.9	—	1007.7	—	1008.0	—	23.3	1012.1	—	1012.5	—	1011.2	—	1011.5	—
	Wadi El Natrun	0.9	1013.6	—	1014.2	+0.5	1012.5	+0.6	1013.1	+0.2	0.9	1013.7	—	1014.3	+0.6	1012.6	+0.6	1013.2	+0.2
	Inshas (A)	25.5	1008.3	—	1008.8	—	1007.2	—	1008.1	—	25.6	1011.3	—	1011.7	—	1010.2	—	1011.1	—
	Fayed (A)	35.0	1011.2	—	1011.6	—	1010·1	—	1011.0	—	35.0	1013.4	—	1014.1	—	1012.5	—	1013.5	—
	Kabrit (A)	4.9	1011.5	—	1012.4	—	1010.4	—	1011.4	—	4.8	1012.9	—	1013.8	—	1011.7	—	1012.8	—
CAIRO AREA	Cairo (A)	74.5	1004.9	+0.2	1005.7	+0.5	1004.2	+0.2	1004.7	+0.1	74.0	1012.4	+0.1	1013.1	+0.3	1011.4	+0.1	1012.0	0.0
	Mostafa Helmi (A)	164.0	993.5	—	994.3	—	993·2	—	993.5	—	164.0	1012.7	—	1013.3	—	1011.6	—	1011.9	—
	Almaza (A)	78.5	1003.0	+0.3	1003.7	+0.3	1002.4	+0.2	1002.9	+0.2	78.6	1012.2	+0·3	1012.9	+0.4	1011.2	+0.2	1011.9	+0.2
	Abbasiya (H.Q.)	26.4	1010.4	—	1011.0	—	1009.4	—	1009.8	—	26.4	1013.5	—	1014.1	—	1012.4	—	1012.9	—
	Imbaba (A)	19.0	1010.5	—	1011.2	—	1009.4	—	1009.8	—	19.0	1012.6	—	1013.3	—	1011.5	—	1012.0	—
	Giza	22.5	1009.9	—	1010·4	−0.6	1009.0	−0.5	1009.2	−1.1	22.5	1012.7	—	1013.2	−0.6	1011.6	−0.6	1012.0	−1.1
	Helwan	115.5	—	—	999.9	+0.7	998.2	+0.4	998.4	+0.2	115.6	—	—	1013.2	+0.8	1011.1	+0.3	1011.6	+0 2

TABLE A 1 (*contd.*)—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "H_p" AND TO MEAN SEA LEVEL.

MAY 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.)								Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.)							
			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
Upper Egypt	Fayoum	23.3	1009.8	—	1010.7	+1.5	1008.7	+1.3	1008.9	+1.4	23.3	1012.7	—	1013.6	+1.5	1011.5	+1.3	1011.8	+1.4
	Beni Suef	30.0	1008.8	—	1009.6	+0.4	1007.8	+0.3	1007.9	+0.3	30.0	1012.2	—	1013.0	+0.4	1011.1	+0.3	1011.3	+0.3
	Minya ... ... (A)	40.0	1007.0	+0.9	1008.1	+0.8	1006.4	+0.7	1006.0	+0.6	40.3	1011.7	+0.9	1012.8	+0.8	1010.9	+0.8	1010.6	+0.5
	Asyout (Mangabad) ... ... (A)	69.6	1003.3	+0.6	1004.9	+1.3	1002.7	+1.3	1002.7	+0.8	69.5	1011.4	+0.7	1013.0	+1.4	1010.5	+1.3	1010.6	+0.8
	Nag Hammadi	70.5	1002.1	—	1003.9	+0.9	1002.2	+1.2	1002.1	+1.3	70.5	1010.2	—	1012.0	+1.0	1010.0	+1.3	1010.1	+1.3
	Kena	74.2	1001.6	—	1003.4	+1.5	1001.1	+1.5	1001.0	+1.5	74.2	1010.0	—	1011.8	+1.5	1009.3	+1.4	1009.4	+1.5
	Luxor ... ... (A)	88.5	999.1	+0.1	1001.0	+0.4	998.7	+0.4	998.4	—0.2	88.4	1009.2	+0.1	1011.0	+0.4	1008.5	+0.5	1008.4	—0.1
	Kom Ombo	102.6	997.6	—	999.3	—	997.0	—	997.0	—	102.6	1009.5	—	1011.0	—	1008.3	—	1008.6	—
	Aswan ... ... (A)	193.5	986.3	—	988.1	+0.2	985.9	0.0	985.9	+0.1	193.5	1008.4	—	1010.0	+0.2	1007.0	0.0	1007.4	+0.1
Western Desert	Siwa	-13.5	1014.6	0.0	1015.9	+0.1	1014.5	+0.3	1013.4	+0.1	-13.3	1012.9	0.0	1014.2	+0.1	1012.9	+0.3	1011.8	+0.1
	Bahariya	129.5	995.8	—	998.2	—0.4	996.3	—0.4	995.6	—1.2	129.6	1011.8	—	1013.0	—0.4	1010.6	—0.4	1010.1	—1.4
	Farafra	91.8	1003.6	—	1004.9	+1.5	1003.5	+1.5	1002.7	+0.9	92.1	1013.8	—	1015.1	+1.7	1013.2	+1.6	1012.7	+1.0
	Dakhla	111.5	997.5	—	999.1	+1.3	997.1	+1.3	996.6	+0.7	111.5	1010.6	—	1011.9	+1.4	1009.4	+1.3	1009.2	+0.8
	Kharga	72.8	1001.8	—	1003.3	—0.1	1001.5	—0.4	1001.3	—0.3	73.0	1010.0	—	1011.4	—0.1	1009.4	—0.4	1009.4	—0.2
Red Sea	Suez	11.0	1011.3	—	1012.0	+0.6	1010.5	—0.1	1011.0	+0.3	12.2	1012.5	—	1013.2	+0.6	1011.7	—0.1	1012.2	+0.3
	Tor	4.2	1008.7	—	1010.2	0.0	1008.7	—0.4	1008.4	—0.3	4.2	1009.1	—	1010.6	0.0	1009.1	—0.4	1008.8	—0.3
	Hurghada	2.8	1009.3	+0.7	1011.0	+1.1	1009.1	+0.5	1009.0	+0.9	2.8	1009.5	+0.7	1011.2	+1.1	1009.3	+0.5	1009.2	+0.9
	Quseir	11.3	1007.3	—	1009.1	+0.1	1007.9	—0.7	1007.4	—0.6	11.3	1008.3	—	1010.1	+0.1	1008.9	—0.7	1008.4	—0.6
	Abul Kizan	5.0	1008.3	—	1009.5	—	1008.6	—	1008.3	—	5.0	1008.8	—	1010.0	—	1009.1	—	1008.8	—

TABLE A 2.—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

MAY 1961

District	Station	Dry bulb temperature (°C)								Wet 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
MEDITERRANEAN	Sallum	19.3	—	22.1	+0.6	25.4	+0.9	21.4	+.08	14.9	—	15.7	−1.3	17.5	−0.8	16.6	−0.6	60	—	48	−14	38	−14	59	−11
	Sidi Barrani	18.0	+0.9	21.5	+1.0	24.8	+2.0	20.1	+0.4	14.6	0.0	16.3	−0.1	18.0	+0.2	16.7	0.0	67	−8	56	−7	48	−11	69	−3
	Mersa Matruh... (A)	17.4	+1.1	22.3	+1.2	25.8	+2.0	20.1	+0.3	14.1	+0.2	15.6	−1.4	17.6	−0.6	16.4	−0.9	68	−11	46	−19	41	−15	66	−11
	Dabaa	15.9	—	21.4	+0.2	25.5	+1.5	19.1	−1.0	12.3	—	14.7	−2.7	16.0	−1.7	14.4	−3.1	63	—	44	−23	32	−19	57	−19
	Dekheila ... ... (A)	18.4	—	21.4	−0.4	25.3	+2.0	21.1	—	15.0	—	16.4	−2.3	18.4	−1.6	16.6	—	67	—	57	−16	48	−25	62	—
	Alexandria ... (A)	18.0	−0.1	23.0	+1.0	27.3	+2.1	20.9	+0.6	15.7	−0.9	17.9	−0.4	19.3	+0.2	17.1	+0.7	77	−8	58	−10	43	−11	67	−10
	Balteam	17.8	—	22.8	—	26.7	—	20.8	—	15.6	—	18.0	—	18.9	—	17.2	—	78	—	60	—	44	—	68	—
	Damietta	18.1	—	22.7	−0.2	27.2	+2.5	21.0	0.0	16.5	—	18.8	−0.4	19.5	0.0	18.0	−0.7	81	—	67	+2	44	−15	74	−5
	Port Said ... ... (A)	20.5	0.0	22.1	−0.3	24.4	+0.2	21.9	+0.3	17.5	−0.5	17.8	−1.1	19.4	−0.4	18.4	−0.5	73	−4	64	−6	60	−5	70	−6
	El Arish	18.3	+0.8	23.4	−0.2	25.6	+0.9	21.6	+0.3	15.4	−0.2	17.6	−1.1	19.0	−0.9	17.4	−0.9	72	−9	53	−8	50	−12	64	−10
	Ghazza	18.8	—	22.9	—	23.2	—	21.6	—	16.3	—	19.0	—	20.3	—	19.0	—	76	—	67	—	76	—	77	—
LOWER EGYPT	El Sirw	17.8	—	22.5	−0.6	27.0	+0.6	21.2	−0.2	—	—	18.0	−1.2	19.3	−1.3	18.4	+0.2	—	—	63	−5	45	−12	75	0
	Sakha	16.9	—	21.4	−1.6	32.1	+1.7	23.3	+2.3	—	—	18.7	−0.4	24.7	+3.1	20.3	+2.3	—	—	76	+9	52	+9	75	+1
	Mansoura	18.0	—	21.7	−1.2	30.6	+0.4	22.6	+0.8	—	—	17.4	−1.0	18.9	−0.5	17.2	−0.2	—	—	63	0	28	−4	56	−7
	Damanhour	16.2	—	21.3	−1.7	29.6	+1.1	21.8	+0.8	—	—	17.7	−0.7	19.5	−0.1	17.3	−0.2	—	—	68	+6	34	−6	62	−7
	Gimmeiza..	16.5	—	22.9	+0.6	31.9	+1.2	23.0	+1.8	—	—	19.3	+0.7	22.3	+0.7	18.6	+0.6	—	—	69	0	39	−3	64	−8
	Tanta...	16.1	—	22.1	−0.6	31.2	+0.2	22.7	+0.4	13.6	—	17.0	−1.2	19.8	−0.3	16.5	−1.0	74	—	57	−6	30	−2	50	−10
	Tahrir	17.3	—	22.3	—	31.1	—	24.0	—	14.5	—	16.6	—	17.8	—	16.4	—	72	—	53	—	21	—	42	—
	Shebin El Kom ...	16.6	—	22.8	+0.9	30.8	−0.2	23.9	+0.4	—	—	18.1	+0.6	20.1	+0.1	17.7	−0.2	—	—	61	−2	33	+1	51	−4
	Zagazig	18.7	—	22.2	−1.3	31.3	+0.2	24.0	+1.6	—	—	17.7	−1.3	19.5	−0.7	17.7	0.0	—	—	63	0	28	−5	51	−9
	Abu Sueir... ... (A)	18.5	—	22.9	—	31.4	—	23.9	—	15.1	—	17.0	—	17.8	—	16.7	—	68	—	53	—	20	—	44	—
	Zaher... ... ... (A)	18.9	—	22.8	—	32.1	—	24.9	—	14.7	—	16.4	—	18.6	—	16.7	—	60	—	48	—	21	—	39	—
	Wadi El Natrun ...	18.7	—	22.9	+0.4	32.5	+0.8	25.3	+0.5	14.3	—	17.0	−0.6	18.0	−1.2	16.4	−1.0	59	—	53	−7	18	−8	35	−10
	Inshas .. ..(A)	19.0	—	22.9	—	32.1	—	24.9	—	14.1	—	16.2	—	18.6	—	16.4	—	55	—	47	—	21	—	37	—
	Fayed ... ... (A)	19.1	—	23.4	—	32.0	—	24.6	—	14.3	—	17.0	—	18.4	—	16.6	—	56	—	49	—	21	—	40	—
	Kabrit ... ... (A)	19.2	—	22.7	—	31.8	—	24.3	—	16.0	—	17.4	—	19.5	—	17.6	—	70	—	47	—	26	—	49	—
CAIRO AREA	Cairo ... ... (A)	19.9	−0.1	23.3	+0.5	31.7	+0.2	26.1	+0.3	15.0	−1.1	16.4	−1.1	17.8	−1.3	16.8	−1.3	56	−9	45	−11	19	−7	35	−9
	Mostafa Helmi (A)	18.0	—	22.5	—	30.4	—	24.8	—	14.0	—	15.5	—	17.6	—	16.1	—	62	—	47	—	22	—	36	—
	Almaza ... ... (A)	19.4	−0.8	23.0	+0.3	31.9	+0.5	25.7	−0.3	14.0	−1.6	15.6	−1.6	18.0	−0.8	16.3	−1.1	51	−11	41	−14	19	−6	33	−6
	Abbasiya ... (H.Q.)	20.0	—	24.1	—	32.3	—	26.4	—	16.1	—	17.8	—	19.5	—	18.0	—	65	—	51	—	5	—	40	—
	Imbaba ... ... (A)	17.7	—	22.8	—	32.0	—	25.4	—	13.6	—	16.6	—	18.9	—	16.7	—	61	—	50	—	23	—	37	—
	Giza	18.3	—	22.6	+0.1	31.8	−0.1	25.9	+0.8	14.6	—	16.5	−1.3	17.8	−1.5	16.3	−1.3	64	—	50	−11	19	−7	32	−8
	Helwan	—	—	22.8	−0.2	31.5	−0.1	26.2	−0.2	—	—	16.5	−0.1	18.2	−0.5	16.7	+0.1	—	—	49	0	22	+3	34	+2

TABLE A 2 (*contd.*)—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS

MAY 1961

District	Station	Dry bulb temperature (°C)								Wet 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 UT..	
		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
Upper Egypt	Fayoum	19.8	—	23.8	0.0	33.4	+0.8	26.7	+0.4	14.7	—	16.9	—0.3	18.3	—0.5	17.3	0.0	24	—	46	— 3	16	— 5	35	— 2
	Beni Suef	18.6	—	22.7	—2.1	33.6	—0.3	25.7	—1.7	13.2	—	15.6	—0.2	18.6	—0.7	16.6	—1.5	51	—	43	— 3	17	— 3	35	— 1
	Seds	—	—	23.6	+0.3	32.6	+0.1	25.2	—0.3	—	—	17.5	—0.3	19.2	—0.6	17.4	—0.2	—	—	52	— 5	23	— 3	42	0
	Minya... ... ... (A)	18.8	—0.9	23.1	+0.4	34.5	+0.1	26.5	+0.5	13.4	—1.0	16.1	—0.1	18.3	—0.9	16.4	—0.6	51	— 2	45	— 3	13	— 5	30	— 6
	Mallawi	17.6	—	23.1	—	34.2	—	25.8	—	—	—	17.5	—	20.6	—	17.3	—	—	—	55	—	24	—	39	—
	Asyout(Mangabad)(A)	23.1	+0.5	24.1	—0.5	34.9	—0.6	29.2	+0.2	13.3	—0.7	14.8	—1.1	17.3	—0.9	15.8	—0.8	26	— 7	31	— 4	9	— 3	17	— 5
	Shandaweel	19.4	—	26.1	—1.0	36.1	+0.6	26.5	—0.5	—	—	18.2	—0.4	21.7	+0.8	18.3	—0.2	—	—	43	+ 2	23	+ 1	42	+ 2
	Nag Hammadi... ...	21.4	—	24.4	—2.4	36.0	+0.4	28.0	—0.1	—	—	17.3	—1.3	21.9	+1.2	18.5	—0.1	—	—	46	+ 4	25	+ 4	36	0
	Kena	23.6	—	27.6	—0.6	36.5	—1.5	29.2	—1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor ... ... (A)	22.6	—2.3	28.0	—1.9	37.4	—1.2	30.1	—2.1	13.3	—1.7	16.9	—1.5	19.2	—1.8	17.2	—1.6	28	— 1	27	— 1	11	— 4	22	0
	Kom Ombo	22.8	—	28.3	—	38.5	—	30.3	—	13.0	—	16.0	—	19.2	—	16.3	—	25	—	21	—	9	—	16	—
	Aswan ... ... (A)	23.7	—	27.6	—1.4	37.3	—1.5	31.5	—2.2	11.8	—	13.9	—3.5	17.2	+2.2	15.0	—3.5	14	—	13	—13	5	—10	8	— 9
Western Desert	Siwa	19.9	—0.5	22.0	0.0	33.9	+1.2	29.0	+0.6	13.2	—0.4	14.9	—0.5	17.4	—0.8	16.1	—1.0	42	0	42	— 4	12	— 6	19	— 8
	Bahariya	20.6	—	23.0	—0.7	34.5	+1.3	29.2	+1.8	14.3	—	16.0	—1.1	18.6	—1.6	17.1	—1.0	46	—	44	— 5	15	—11	24	—12
	Farafra	20.6	—	22.9	—1.3	34.7	+0.9	28.3	+0.9	12.0	—	13.5	—2.8	18.0	—1.1	15.7	—0.7	29	—	28	—12	12	— 7	20	— 7
	Dakhla	20.4	—	24.6	—2.7	35.6	+0.5	28.6	—2.7	11.4	—	13.9	—2.8	16.9	—2.9	15.2	—2.0	26	—	23	— 6	7	— 9	16	— 2
	Kharga	22.0	—	27.1	—0.5	36.8	+0.1	28.0	—2.4	13.3	—	16.4	—2.2	19.5	—3.2	16.3	—2.6	31	—	28	—10	13	—13	24	— 5
Red Sea	Suez	20.7	—	22.9	—0.4	30.5	—0.3	25.5	+0.4	—	—	18.3	—0.1	19.8	—0.2	18.6	+0.2	—	—	61	+ 1	33	0	49	— 1
	Abu Redes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60	—	—	—	—	—
	Tor	22.4	—	24.5	—0.5	28.5	—0.5	26.6	—0.4	17.9	—	19.4	—1.4	20.2	—2.3	18.8	—2.5	63	—	60	— 8	44	—11	44	—14
	Hurghada...	22.1	—0.6	26.2	+0.5	29.9	+1.9	26.6	—0.6	14.3	—1.9	17.4	—2.0	19.4	—2.5	18.2	—2.0	38	—10	38	—15	33	—24	43	— 9
	Quseir	24.3	—	27.5	—0.1	29.0	+0.1	26.4	—0.4	16.7	—	18.6	—1.4	20.8	—2.1	18.7	—1.9	42	—	38	— 8	45	—13	45	—10
	Abul Kizan	25.0	—	27.1	—0.8	27.5	—1.2	26.0	—0.9	—	—	23.3	—1.2	23.9	—0.9	23.2	—1.1	—	—	71	— 3	73	+ 2	78	— 2

TABLE A 3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

MAY 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a, b, c, d	Station Pressure (corrected to Hp)		M. S. L. Pressure		Maximum (A)		Minimum (B)		(A + B)/2	Dry bulb			Wet bulb			Derivation of the mean values a, b, c, d, e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a, b, c, d	Mean	Dev. from normal	Deriv. of the mean values a, b, c, d	Mean	Dev. from normal			
MEDITERRANEAN	Sallum	a	1012.8	−0.6	1013.3	−0.5	27.9	+1.5	17.1	+0.9	22.5	a	22.1	+1.4	a	16.1	−0.7	a	51	−15
	Sidi Barrani	a	1010.0	−0.5	1012.6	−0.5	26.6	+2.3	15.8	+0.3	21.2	a	20.9	+1.1	a	16.3	−0.4	a	60	−11
	Mersa Matruh (A)	a	1009.8	−0.7	1013.5	−0.7	28.4	+3.1	15.4	+0.4	21.9	a	21.3	+1.0	a	15.9	−1.0	a	54	−15
	Dabaa	a	1010.8	—	1012.8	—	27.2	+2.0	14.2	−0.8	20.7	a	20.4	+0.3	a	14.1	−2.9	a	46	−26
	Dekheila (A)	a	1012.8	—	1013.4	—	26.7	+1.3	16.9	−0.7	21.8	a	21.5	—	a	16.6	—	a	58	—
	Alexandria (A)	a	1012.4	−0.4	1013.2	−0.4	29.1	+2.7	16.3	−0.3	22.7	a	22.2	+0.8	a	17.4	−0.4	a	60	−8
	Balteam	a	1013.0	—	1013.2	—	28.0	—	16.8	—	22.4	a	22.0	—	a	17.3	—	a	60	—
	Damietta	a	1011.0	−1.5	1011.4	−1.5	28.7	+1.8	17.1	−0.1	22.9	a	22.1	+0.7	a	18.1	−0.3	a	66	−8
	Port Said (A)	a	1011.9	−0.3	1012.6	−0.3	25.7	+0.1	19.5	−0.1	22.6	a	22.2	0.0	a	18.3	−0.5	a	67	−4
	El Arish	a	1011.0	−0.6	1012.2	−0.6	27.3	+0.3	17.0	+0.9	22.2	a	22.0	+0.5	a	17.2	−0.6	a	59	−9
	Ghazza	a	1010.7	—	1012.5	—	25.1	−2.2	16.8	+1.8	21.0	a	21.4	—	a	18.6	—	a	75	—
LOWER EGYPT	El Sirw	—	—	—	—	—	28.5	+0.9	15.9	−0.2	22.2	c	22.1	+0.3	c	18.4	−0.2	e	69	−3
	Sakha	—	—	—	—	—	32.6	+1.3	13.7	−0.5	23.2	c	23.4	+1.2	c	20.5	+1.8	e	76	+6
	Mansoura	c	1011.9	0.0	1012.7	0.0	31.6	+0.3	16.2	+0.2	23.9	c	23.2	+0.5	c	18.3	+0.1	e	60	−3
	Damanhour	c	1012.9	+0.6	1013.6	+0.6	30.4	+0.2	15.0	−0.9	22.7	c	22.2	+0.2	c	18.1	+0.1	e	65	−1
	Gimmeiza	c	1012.1	+0.1	1013.1	+0.1	33.1	+1.3	14.5	+0.2	23.8	c	23.6	+1.5	c	19.4	+0.8	e	66	−4
	Tanta	a	1011.2	−0.3	1012.4	−0.4	32.6	+0.8	14.6	+0.1	23.6	a	23.0	+0.4	a	16.6	−1.4	a	49	−13
	Tahrir	a	1010.5	—	1012.7	—	32.9	+0.9	15.4	−0.1	24.2	a	23.6	—	a	16.2	—	a	42	—
	Shebin El Kom	c	1010.3	−0.6	1012.5	−0.7	32.7	+0.5	14.6	−1.3	23.6	c	23.5	+0.4	c	18.0	+0.1	e	56	−2
	Zagazig	c	1011.6	+0.6	1013.1	+0.5	32.1	+0.1	16.5	+1.0	24.3	c	24.0	+0.8	c	18.5	+0.9	e	57	−5
	Abu Sueir (A)	a	1011.0	—	1012.9	—	33.0	—	16.7	—	24.8	a	24.1	—	a	16.5	—	a	42	—
	Zaher (A)	a	1008.2	—	1011.8	—	33.1	—	17.2	—	25.2	a	24.6	—	a	16.4	—	a	39	—
	Wadi El Natrun	a	1013.3	+0.5	1013.4	+0.5	34.0	+1.1	15.8	−0.6	24.9	a	24.9	+1.1	a	16.2	−1.6	a	36	−16
	Inshas (A)	a	1008.1	—	1011.1	—	32.9	—	17.2	—	25.0	a	24.7	—	a	16.2	—	a	37	—
	Fayed (A)	a	1010.9	—	1013.4	—	33.4	—	16.0	—	24.7	a	24.7	—	a	16.3	—	a	37	—
	Kabrit (A)	a	1011.4	—	1012.7	—	32.7	—	17.5	—	25.1	a	24.4	—	a	17.5	—	a	47	—
CAIRO AREA	Cairo (A)	a	1004.9	+0.2	1012.2	0.0	33.3	+0.6	17.9	+0.3	25.6	a	25.2	+0.4	a	16.4	−0.9	a	36	−8
	Mostafa Helmi (A)	a	993.6	—	1012.4	—	31.8	—	16.5	—	24.2	a	23.9	—	a	15.7	—	a	37	—
	Almaza (A)	a	1003.0	−0.2	1012.1	−0.2	33.2	+0.6	17.5	−0.3	25.4	a	24.9	−0.1	a	15.9	−1.2	a	34	−7
	Abbasiya (H.Q.)	a	1010.1	—	1013.1	—	33.8	—	17.9	—	25.8	a	25.6	—	a	17.8	—	a	43	—
	Imbaba (A)	a	1010.2	—	1012.3	—	33.3	—	15.6	—	24.4	a	24.5	—	a	16.3	—	a	38	—
	Giza	a	1009.6	−0.7	1012.4	−0.7	33.5	+0.9	15.7	+0.7	24.6	a	24.6	+1.0	a	16.2	−1.4	a	37	−15
	Helwan	a	998.8	−0.2	1012.0	+1.0	33.0	+0.1	17.8	−0.1	25.4	c	24.6	−0.1	c	16.8	+0.1	e	42	+2

a = the 24 hours mean. b = 8 synoptic hours mean. c = 4 main synoptic hours mean.
d = 06,12 & 18 U.T. hours mean. e = 06 & 18 U.T. hours mean.

TABLE A 3 (*contd.*)—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

MAY 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a,b,c,d	Station Pressure (corrected to Hp)		M. S. L. Pressure		Maximum (A)		Minimum (B)		(A + B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Derivation of the mean values a,b,c,d	Mean	Dev. from normal	Derivation of the mean values a,b,c,d	Mean	Dev. from normal			
Upper Egypt	Fayoum	a	1009.5	+1.5	1012.4	+1.5	34.6	+0.9	17.1	—0.2	25.8	a	25.8	+0.8	a	16.6	—0.7	a	35	— 8
	Beni Suef	a	1008.5	+0.4	1011.9	+0.4	34.7	+0.7	16.2	+0.2	25.4	a	25.3	—0.3	a	15.9	—1.5	a	32	— 9
	Seds	—	—	—	—	—	34.6	+0.5	14.8	—0.7	24.7	c	24.0	—0.2	c	17.1	—0.7	e	47	— 3
	Minya ... ... (A)	a	1006.9	+0.4	1011.5	+0.2	35.3	—0.1	15.8	—0.9	25.6	a	25.8	—0.1	a	15.9	—1.1	a	30	— 7
	Maliawi	—	—	—	—	—	35.1	—	15.1	—	25.1	c	25.2	—	c	18.1	—	e	47	—
	Asyout (Mangabad) ... ... (A)	a	1003.4	+0.9	1011.4	+1.0	35.9	—0.9	19.5	—0.1	27.7	a	27.8	—0.3	a	15.2	—1.2	a	19	— 5
	Shandaweel...	—	—	—	—	—	37.0	+0.5	16.8	—2.4	26.9	c	27.0	—0.1	c	18.8	+0.1	e	42	+ 2
	Nag Hammadi	c	1002.6	+1.0	1010.6	+1.0	37.1	+0.1	17.2	—1.5	27.2	c	27.7	+0.4	c	19.2	+0.6	e	41	+ 2
	Kena...	c	1001.8	+1.5	1010.1	+1.4	37.4	—1.8	19.8	—1.5	28.6	c	29.2	—0.4	—	—	—	—	—	—
	Luxor ... ... (A)	a	999.3	+0.4	1009.3	+0.4	38.4	—1.4	18.3	—2.7	28.4	a	29.4	—1.3	a	16.4	—1.8	a	19	+ 5
	Kom Ombo	a	997.7	—	1009.5	—	39.5	—	18.4	—	29.0	a	29.8	—	a	16.0	—	a	16	—
	Aswan ... ... (A)	a	986.5	0.0	1008.3	0.0	38.6	—1.5	19.8	—4.0	29.2	a	30.0	—0.8	a	14.5	—3.9	a	9	—16
Western Desert	Siwa	a	1014.6	—0.2	1012.9	—0.2	35.4	+1.4	16.2	—1.0	25.8	a	26.3	+1.6	a	15.3	+0.3	a	25	— 5
	Bahariya	a	996.8	—0.6	1011.3	—0.8	35.4	+0.7	16.2	—1.3	25.8	a	26.6	+1.2	a	16.2	—1.3	a	29	—13
	Farafra...	a	1003.7	+1.3	1013.5	+1.2	35.7	+0.5	16.6	—0.8	26.2	a	26.7	+1.0	a	14.8	—0.6	a	21	— 7
	Dakhla	a	997.5	+1.0	1010.3	+1.1	36.7	—0.7	15.7	—5.0	26.2	a	27.2	—1.3	a	14.3	—3.2	a	16	—12
	Kharga	a	1002.0	—0.3	1010.0	—0.3	37.6	—0.1	18.5	—2.9	28.0	a	28.4	0.6	a	16.2	—2.4	a	22	—10
Red Sea	Suez	c	1011.2	+0.1	1012.4	+0.1	32.7	+0.1	17.1	—1.4	24.9	c	24.9	+0.4	c	19.0	+0.2	e	55	0
	Tor	a	1009.0	—0.3	1009.4	—0.3	31.0	0.6	20.3	—0.2	25.6	a	25.4	0.0	a	18.9	—1.7	a	51	—12
	Hurghada	a	1009.6	+0.7	1009.8	+0.7	31.2	+1.8	19.5	1.3	25.4	a	25.8	0.0	a	17.3	1.3	a	39	— 8
	Quseir	a	1007.9	—0.6	1008.9	—0.6	30.1	—0.4	22.6	—0.5	26.4	a	26.7	+0.1	a	18.5	—1.5	a	42	—10
	Abul Kisan...	c	1008.7	—	1009.2	—	28.9	—0.7	24.6	—0.4	26.8	c	26.4	—0.7	c	23.1	—1.0	e	74	— 3

a = the 24 hours mean. b=8 synoptic hours mean. c=4 main synoptic hours mean. d=06,12 & 18 U.T. hours mean. e=06 & 18 U.T hours mean.

TABLE A 4.—MAXIMUM AND MINIMUM AIR TEMPERATURES

MAY 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
MEDITERRANEAN	Sallum	42.7	28	20.4	3	17	8	6	2	0	24.0	29	13.8	3	0	0	0	0
	Sidi Barrani	42.1	29	20.5	3	13	9	6	1	0	21.7	29	10.0	17,18	0	0	0	0
	Mersa Matruh (A)	45.2	30	21.9	2,3	15	10	8	3	1	22.0	30	8.9	19	2	0	0	0
	Dabaa	47.1	30	20.3	9	13	9	8	3	1	20.9	30	8.5	19	4	0	0	0
	Dekheila (A)	42.4	30	20.1	6	11	9	5	1	0	22.5	30	11.7	19	0	0	0	0
	Alexandria (A)	45.1	30	21.2	6	18	11	8	2	1	21.0	30	12.2	19	0	0	0	0
	Balteam	42.0	30	21.4	6	17	11	5	1	0	21.5	30	14.1	9	0	0	0	0
	Damietta	41.1	30	22.2	6,7	22	11	4	1	0	22.5	31	13.0	6	0	0	0	0
	Port Said (A)	38.8	30	21.8	10	14	4	2	0	0	24.4	31	15.4	7	0	0	0	0
	El Arish	39.0	2	22.5	5	6	6	4	0	0	24.0	31	14.4	20	0	0	0	0
	Ghazza	39.0	2	21.8	5,8	9	3	1	0	0	24.7	31	13.4	6	0	0	0	0
LOWER EGYPT	El Sirw	44.0	30	23.1	6	22	9	3	1	0	21.0	30	12.4	7	0	0	0	0
	Sakha	47.3	30	21.0	6	28	18	12	3	1	19.4	30	8.5	6	1	0	0	0
	Mansoura	43.5	30	22.0	6	28	18	7	2	0	22.0	30	12.5	6	0	0	0	0
	Damanhour	44.8	30	20.6	6	24	14	8	3	0	22.6	30	11.4	11,19	0	0	0	0
	Gemmeiza	45.0	30	22.0	6	29	20	11	4	0	20.5	30	11.0	9	0	0	0	0
	Tanta	45.3	30	22.7	6	30	20	11	4	1	20.7	30	11.5	9	0	0	0	0
	Tahrir	47.5	30	24.4	6	30	20	11	4	1	22.9	30	12.0	17	0	0	0	0
	Shebin El Kom	43.5	30	23.6	6	30	20	10	4	0	21.0	30	12.0	5,9,16	0	0	0	0
	Zagazig	42.4	30	21.9	6	30	20	8	2	0	24.7	30	13.0	6,7,8	0	0	0	0
	Abu Sueir (A)	45.5	30	23.3	6	30	19	11	4	1	24.3	30	13.5	7	0	0	0	0
	Zaher (A)	44.4	30	20.8	6	30	20	12	5	0	26.5	30	13.0	6	0	0	0	0
	Wadi El Natrun	47.4	30	23.4	6	29	21	12	5	2	24.5	30	12.2	3	0	0	0	0
	Inshas (A)	44.0	30	21.5	6	30	20	11	4	0	27.9	30	13.5	16	0	0	0	0
	Fayed (A)	44.4	30	24.3	6	30	20	13	4	0	25.0	31	12.5	9	0	0	0	0
	Kabrit (A)	43.4	30	23.3	6	29	19	10	4	0	24.2	31	13.0	7	0	0	0	0
CAIRO AREA	Cairo (A)	44.3	30	22.3	6	29	21	12	5	0	28.7	30	12.8	6	0	0	0	0
	Mostafa Helmi (A)	45.5	30	20.2	6	28	18	10	4	1	25.0	30	12.2	7	0	0	0	0
	Almaza (A)	45.0	30	21.5	6	30	21	11	5	0	29.1	30	13.8	3	0	0	0	0
	Abbasiya (H.Q.)	44.5	31	22.7	6	30	21	12	5	0	28.6	30	14.1	18	0	0	0	0
	Imbaba (A)	44.4	30	23.5	6	30	21	11	5	0	22.8	31	12.5	1	0	0	0	0
	Giza	44.1	31	22.8	6	30	22	11	4	0	22.6	30	12.4	6	0	0	0	0
	Helwan	44.9	31	24.6	6	27	21	11	3	0	28.0	24	13.2	6	0	0	0	0

TABLE A 4 (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES

MAY 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
Upper Egypt	Fayoum	45.6	30	26.0	7	31	24	15	3	1	24.9	31	13.4	8	0	0	0	0
	Beni Suef	44.6	31	26.4	6	31	24	15	5	0	24.4	31	13.3	7,19	0	0	0	0
	Seds	43.5	30	27.5	5	31	23	14	4	0	20.8	30	11.8	1	0	0	0	0
	Minya ... ... (A)	48.0	31	27.6	7	31	25	15	6	2	24.5	31	12.4	1	0	0	0	0
	Mallawi	46.0	31	28.0	7	31	24	14	4	1	24.4	31	11.5	1,8	0	0	0	0
	Asyout (Mangabad) ... ... (A)	47.3	31	26.7	7	31	26	17	8	1	29.7	31	15.3	18	0	0	0	0
	Shandaweel	45.5	31	28.8	6	31	30	19	8	1	22.5	31	11.8	9	0	0	0	0
	Nag Hammadi...	42.0	*	29.0	6	31	29	23	9	0	22.5	31	13.0	9	0	0	0	0
	Kena	43.5	31	29.0	6	31	30	23	7	0	25.7	27	14.8	8	0	0	0	0
	Luxor ... ... (A)	46.6	31	30.2	6	31	31	25	14	1	27.9	31	12.5	9	0	0	0	0
	Kom Ombo	46.0	31	33.0	6,8	31	31	27	17	1	25.4	15	13.0	8	0	0	0	0
	Aswan ... ... (A)	46.5	31	30.0	16	31	30	25	13	1	27.7	31	15.5	1	0	0	0	0
Western Desert	Siwa	48.0	30,31	26.4	5	31	23	14	6	3	24.5	30	10.7	17	0	0	0	0
	Bahariya	47.5	31	25.3	7	31	24	17	5	2	25.4	30	10.0	8	0	0	0	0
	Farafra	47.5	31	26.5	7	31	25	16	6	2	26.8	31	10.9	17	0	0	0	0
	Dakhla	47.5	31	28.5	5,6,7	31	28	18	7	2	23.6	27	9.0	9	1	0	0	0
	Kharga	49.3	31	30.0	6	31	30	19	11	2	24.8	21	11.2	9	0	0	0	0
Red Sea	Suez	43.6	31	25.6	8	31	21	10	1	0	24.1	31	13.6	6,7	0	0	0	0
	Tor	37.3	26	27.0	17	31	17	1	0	0	26.4	31	14.3	1	0	0	0	0
	Hurghada	38.5	30	26.6	6	31	17	5	0	0	24.1	31	14.5	8	0	0	0	0
	Quseir	36.5	31	26.6	9	31	15	2	0	0	28.2	30	18.9	8	0	0	0	0
	Abul Kizan	35.2	31	26.0	16	31	6	1	0	0	26.5	30,31	23.2	11	0	0	0	0

* = More than three days.

TABLE A 5.—RAINFALL AND SNOW DEPTH.

MAY 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	< 0.1	≥ 0.1	≥ 1.0	≥ 5.0	≥ 10	≥ 25	≥ 50		
MEDITERRANEAN	Sallum	0.0	— 4.4	0.0	—	0	0	0	0	0	0	0	0.0	—
	Sidi Barrani	0 0	— 2.4	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mersa Matruh ... ... (A)	0.2	— 2.4	0.2	6	0	1	0	0	0	0	0	0.0	—
	Dabaa	0.0	— 1.4	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dekheila ... ... (A)	18.4	+ 15.2	17.9	5	0	2	1	1	1	0	0	0.0	—
	Alexandria ... ... (A)	9.8	+ 8.5	8.8	5	0	3	1	1	0	0	0	0.0	—
	Baltcam	6.5	—	5.2	5	0	2	2	1	0	0	0	0.0	—
	Damietta...	18.9	+17.0	15.8	6	0	3	3	1	1	0	0	0.0	—
	Port Said ... ... (A)	2.9	— 1.4	2.2	6	1	3	1	0	0	0	0	0.0	—
	El Arish	0.9	— 2.2	0.6	6	1	2	0	0	0	0	0	0.0	—
	Ghazza	8.0	+ 6.0	8.0	7	2	1	1	1	0	0	0	0.0	—
	Ras El Hikma	0.0	—	0.0	—	0	0	0	0	0	0	0	0·0	—
	Fuka	0.0	— 4.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Hammam	5.0	+ 5.0	5.0	8	0	1	1	1	0	0	0	0.0	—
	Borg El Arab	6.3	+ 5.3	3.3	7	0	2	2	0	0	0	0	0.0	—
	Mex	5.3	+ 4.3	2.9	5	0	2	2	0	0	0	0	0.0	—
	Tolombat El Tabia	2.0	+ 1.0	2.0	6	0	1	1	0	0	0	0	0.0	—
	Kom El Tarfaia	0.0	— 1.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Rosetta L.H.	9.5	+ 8.5	9.5	5	1	1	1	1	0	0	0	0.0	—
	Borollos L.H.	6.2	+ 4.2	3.8	5	1	2	2	0	0	0	0	0.0	—
	Damietta L.H.	8.3	+ 6.3	5.9	6	0	2	2	1	0	0	0	0.0	—
LOWER EGYPT	El Sirw	0.0	— 3.8	0.0	—	0	0	0	0	0	0	0	0.0	—
	Sakha	4.2	+ 1.6	3.0	6	0	2	2	0	0	0	0	0.0	—
	Mansoura...	28.0	+23.7	18.0	5	0	2	2	2	2	0	0	0.0	—
	Damanhour	15.7	+12.1	12.0	5	1	2	2	1	1	0	0	0.0	—
	Gimmeiza	7.0	+ 3.5	4.0	6	0	2	2	0	0	0	0	0.0	—
	Tanta	1.6	— 2.9	1.2	6	0	2	1	0	0	0	0	0.0	—
	Tahrir	0.5	— 1.4	0.5	6	1	1	0	0	0	0	0	0.0	—
	Shebin El Kom	tr	— 2.4	tr	6	1	0	0	0	0	0	0	0.0	—
	Zagazig	42.5	+41.2	22.5	5	0	2	2	2	2	0	0	0.0	—
	Abu Sueir ... ... (A)	3.7	—	1.8	6	0	3	2	0	0	0	0	0.0	—
	Banha	0.0	— 1.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Zaher ... ... (A)	19.0	—	19.0	6	0	1	1	1	1	0	0	0.0	—
	Wadi El Natrun	1.5	— 0.6	1.4	6	0	2	1	0	0	0	0	0.0	—
	Inshas .. .. (A)	5.2	—	5.2	6	2	1	1	1	0	0	0	0.0	—
	Fayed ... ... (A)	1.1	—	0.9	6	0	2	0	0	0	0	0	0.0	—
	Kabrit ... ... (A)	0.3	—	0.3	6	0	1	0	0	0	0	0	0.0	—
	Delta Barrage	5.2	+ 1.5	2 5	5	0	1	1	0	0	0	0	0.0	—
	Tolombat El Boseili	3.0	+ 1.0	3.0	5	0	1	1	0	0	0	0	0.0	—
	Kafr El Dawar	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kafr El Sheikh	18.0	+15.0	18.0	6	0	1	1	1	1	0	0	0.0	—
	Kafr El Zayat	0.0	— 2.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Faqus	8.0	+ 6.0	8.0	6	0	1	1	1	0	0	0	0.0	—
CAIRO AREA	Cairo ... ... (A)	6.2	+ 6.2	6.0	6	1	2	1	1	0	0	0	0.0	—
	Mostafa Helmi ... ... (A)	1.7	—	1.7	6	2	1	1	0	0	0	0	0.0	—
	Almaza ... ... (A)	2.6	+ 0.6	1.9	5	1	2	1	0	0	0	0	0.0	—
	Abbasiya (H.Q.)	1.7	—	1.0	5	1	2	1	0	0	0	0	0.0	—
	Imbaba ... ... (A)	1.1	—	1.1	6	0	1	1	0	0	0	0	0.0	—
	Giza	2.9	+ 1.0	2.4	6	0	2	1	0	0	0	0	0.0	—
	Helwan	tr	— 2.9	tr	6	1	0	0	0	0	0	0	0.0	—

TABLE A 5 (*contd.*)—RAINFALL AND SNOW DEPTH

MAY 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	<0.1	≥0.1	≥1.0	≥5.0	≥10	≥25	≥50		
UPPER EGYPT	Fayoum	tr.	— 2.0	tr.	5,6	2	0	0	0	0	0	0	0.0	—
	Beni Suef	tr.	+ tr.	tr.	5	1	0	0	0	0	0	0	0.0	—
	Seds	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Minya ... ... (A)	tr.	— 0.3	tr.	7	1	0	0	0	0	0	0	0.0	—
	Mallawi	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Asyout (Mangabad) ... (A)	0.0	— tr	0.0	—	0	0	0	0	0	0	0	0.0	—
	Shandaweel	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Nag Hammadi	0.0	— tr.	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kena	0.0	— 0.4	0.0	—	0	0	0	0	0	0	0	0.0	—
	Luxor ... ... (A)	0.0	— 0.3	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kom Ombo	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Aswan ... ... (A)	0.0	— 0.8	0.0	—	0	0	0	0	0	0	0	0.0	—
WESTERN DESERT	Siwa	0.0	— 1.7	0.0	—	0	0	0	0	0	0	0	0.0	—
	Bahariya	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Farafra	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dakhla	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kharga	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
RED SEA	Suez...	tr.	— 1.2	tr.	5	1	0	0	0	0	0	0	0.0	—
	Tor	tr.	+ tr.	tr.	6	1	0	0	0	0	0	0	0.0	—
	Hurghada	0.5	+ 0.1	0.5	5	0	1	0	0	0	0	0	0.0	—
	Quseir	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abu Kizan	0.0	— 0.6	0.0	—	0	0	0	0	0	0	0	0.0	—

TABLE A 6.—BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT AND BLACK BULB TEMPERATURES AND GRASS MINIMUM

MAY 1961

District	Station	Duration of bright sunshine (hours)			Mean sky cover (oktas)								Mean daily evaporation Piche (millimetres)	Mean maximum temp. °(C) of		Mean grass minimum (°C)
		Total actual	Total Possible	Percentage %	0000 U.T.		0600 U.T.		1200 U.T.		1800 U.T.			Black bulb thermometer	Bright bulb thermometer	
					Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal				
MEDITERRANEAN	Sallum	—	—	—	1.1	—	1.7	—	1.9	—	1.6	—	12.5	—	—	17.4
	Sidi Barrani	—	—	—	—	—	2.2	—	1.5	—	2.0	—	9.4	—	—	—
	Mersa Matruh (A)	346.9	426.5	81.3	1.3	—	2.8	—	2.1	—	2.4	—	10.3	—	—	—
	Dabaa	—	—	—	—	—	2.1	—	1.2	—	1.0	—	4.3	—	—	—
	Dekheila (A)	—	—	—	2.0	—	1.9	—	1.5	—	2.1	—	7.2	—	—	—
	Alexandria (A)	359.8	425.6	84.3	2.5	—	2.6	—	2.1	—	2.5	—	6.1	—	—	—
	Balteam	—	—	—	—	—	2.0	—	1.9	—	1.7	—	5.3	—	—	—
	Damietta	—	—	—	—	—	2.1	—	1.7	—	0.6	—	4.2	—	—	—
	Port Said (A)	320.6	425.6	75.3	0.8	—	1.8	—	1.1	—	0.7	—	5.7	—	—	—
	El Arish	—	—	—	2.3	—	3.1	—	2.1	—	2.1	—	5.4	—	—	—
	Ghazza	327.0	426.6	76.6	3.0	—	3.2	—	2.3	—	1.7	—	5.4	—	—	—
LOWER EGYPT	El Sirw	—	—	—	—	—	1.9	—	1.4	—	0.2	—	4.8	—	—	—
	Sakha	—	—	—	—	—	1.1	—	1.2	—	0.5	—	8.4	—	—	12.7
	Mansoura	—	—	—	—	—	1.7	—	1.6	—	0.5	—	6.3	—	—	—
	Damanhour	—	—	—	—	—	1.9	—	1.8	—	1.3	—	5.4	—	—	—
	Gimmeiza	351.0	424.5	82.7	—	—	0.5	—	1.4	—	0.0	—	8.1	—	—	—
	Tanta	358.1	424.5	84.4	—	—	1.4	—	1.3	—	0.5	—	8.6	66	45	—
	Tahrir	356.9	424.5	84.1	—	—	1.9	—	1.6	—	1.4	—	11.2	—	—	13.9
	Shebin El Kom	—	—	—	—	—	1.7	—	1.3	—	0.2	—	5.4	—	—	—
	Zagazig	346.4	424.5	81.6	—	—	3.1	—	3.3	—	0.2	—	6.5	—	—	—
	Abu Sueir (A)	—	—	—	1.3	—	2.3	—	1.8	—	1.2	—	14.7	73	—	15.4
	Zaher (A)	—	—	—	—	—	1.9	—	1.4	—	1.2	—	13.0	—	—	—
	Wadi El Natrun	—	—	—	—	—	1.3	—	1.4	—	0.8	—	9.2	—	—	—
	Inshas (A)	—	—	—	—	—	1.9	—	1.5	—	0.6	—	12.9	—	—	—
	Fayed (A)	—	—	—	—	—	2.5	—	1.3	—	1.7	—	13.1	—	—	—
	Kabrit (A)	—	—	—	—	—	2.3	—	1.4	—	0.5	—	15.3	—	—	—
CAIRO AREA	Cairo (A)	—	—	—	1.6	—	2.3	—	1.8	—	1.8	—	16.4	—	—	—
	Mostafa Helmi (A)	—	—	—	0.6	—	2.3	—	1.7	—	0.7	—	14.3	—	—	—
	Almaza (A)	341.1	423.5	80.5	1.1	—	2.5	—	1.5	—	1.2	—	13.6	—	—	—
	Abbasiya (H.Q)	(327.9)	(409.5)	80.1	0.6	—	2.3	—	1.4	—	1.1	—	14.4	72	48	—
	Imbaba (A)	—	—	—	—	—	2.2	—	1.6	—	—	—	11.0	—	—	—
	Giza	340.2	423.5	80.3	—	—	1.9	—	1.5	—	0.8	—	11.1	—	—	11.0
	Helwan	(319.8)	(396.3)	80.7	—	—	1.8	—	1.2	—	1.0	—	14.7	—	—	—
UPPER EGYPT	Fayoum	—	—	—	—	—	1.1	—	1.2	—	0.9	—	10.9	—	—	—
	Beni Suef	—	—		—	—	1.3	—	1.3	—	0.4	—	8.8	—	—	13.2
	Seds	—	—	—	—	—	0.2	—	0.0	—	0.2	—	7.8	—	—	7.0
	Minya (A)	—	—	—	0.3	—	0.8	—	1.0	—	1.1	—	14.5	71	46	13.3
	Mallawi	—	—	—	—	—	0.1	—	0.8	—	0.6	—	9.1	—	—	13.0
	Asyout (Mangabad) (A)	—	—	—	0.3	—	0.6	—	0.5	—	0.5	—	20.6	76	51	17.6
	Shandaweel	(299.4)	(356.5)	84.0	—	—	0.2	—	0.1	—	0.0	—	8.4	—	—	10.3
	Nag Hammadi	—	—	—	—	—	0.2	—	0.2	—	0.0	—	13.6	—	—	16.7
	Kena	—	—	—	—	—	0.2	—	0.4	—	0.1	—	10.6	—	—	16.8
	Luxor (A)	—	—	—	0.1	—	0.3	—	0.4	—	0.2	—	13.9	72	52	15.5
	Kom Ombo	—	—	—	—	—	0.4	—	0.2	—	0.1	—	15.8	—	—	10.1
	Aswan (A)	—	—	—	0.2	—	0.3	—	0.1	—	0.2	—	20.0	—	—	—
WESTERN DESERT	Siwa	—	—	—	0.7	—	0.8	—	1.3	—	1.6	—	15.3	81	51	13.2
	Bahariya	—	—	—	0.4	—	0.9	—	1.0	—	0.9	—	10.7	—	—	—
	Farafra	—	—	—	0.0	—	0.2	—	0.6	—	0.1	—	20.1	—	—	—
	Dakhla	—	—	—	0.1	—	0.2	—	0.4	—	0.3	—	19.0	—	52	11.7
	Kharga	—	—	—	0.1	—	0.4	—	0.4	—	0.1	—	14.3	—	—	15.3
RED SEA	Suez	—	—	—	—	—	1.3	—	1.3	—	0.3	—	11.2	—	—	—
	Tor	—	—	—	0.5	—	0.5	—	1.5	—	0.6	—	9.1	—	—	—
	Hurghada	—	—	—	0.4	—	0.5	—	1.5	—	0.9	—	20.4	—	—	—
	Quseir	—	—	—	0.2		0.4	—	0.9	—	0.3	—	17.9	—	—	—
	Abul Kizan	—	—	—	—	—	0.7	—	0.6	—	0.8	—	4.0	—	—	—

Note : Actual number of sunshine records was 30 days at Abbasiya (H.Q), 29 days at Helwan and 26 days at Shandaweel.

TABLE A 7. —SOIL TEMPERATURES (°C) AT FIXED HOURS

MAY 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
MEDITERRANEAN	Mersa Matruh (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	24.7	27.9	31	22.3	7	24.5	27.7	30	22.2	8	24.3	27.5	30	22.3	5.8	24.9	28.0	31	22.5	6
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Alexandria (A')	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	25.8	28.7	31	23.5	9	26.0	29.2	31	23.6	8	25.9	29.5	31	23.5	8	25.9	29.2	31	23.5	8
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LOWER EGYPT	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	23.3	27.0	31	22.8	*	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	23.7	27.0	31	23.0	*	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza ...	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	0.2	37.0	30	22.0	6.7	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	25.3	27.5	31	23.5	7.8	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	23.3	28.2	31	20.0	7	30.6	36.2	31	24.0	6	28.6	34.2	30	22.5	6
		10	—	—	—	—	—	25.6	30.3	31	22.1	7	2[illegible].1	38.3	31	24.5	7	29.2	33.8	31	24.4	6
		20	—	—	—	—	—	25.9	29.7	31	23.1	7	26.0	2[illegible].9	31	23.2	7	26.8	30.5	31	23.7	7
		50	—	—	—	—	—	26.8	29.3	31	25.0	8.9	26.7	29.3	31	24.8	8	26.7	29.3	31	24.8	8.9
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS
MAY 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
LOWER EGYPT (*contd.*)	Tahrir	5	—	—	—	—	—	23·8	29.9	31	20·4	7	40.4	48.2	29	26 0	6	29.7	38.8	30	21.8	6
		10	—	—	—	—	—	23.1	29.3	31	19.5	7	34.8	41.4	31	19.5	7	31.3	39.0	30	23.9	6
		20	—	—	—	—	—	25.4	31.2	31	21.8	7	28.2	33.6	31	24.0	7	30.2	35.9	31	24.8	6
		50	—	—	—	—	—	26.8	30.9	31	24 0	8	26.4	30.4	31	23.6	8	26.8	30.9	31	24.0	
		100	—	—	—	—	—	25.2	27.4	31	24 1	1	—	—	—	—	—	25.3	27.6	31	24.0	1
		200	—	—	—	—	—	23.4	24.5	30.31	22.3	1	—	—	—	—	—	23.4	24.6	31	22.4	1
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	29.3	39·0	26,29,30	25.0	9,10,11	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	26.8	36.5	27	22·0	13	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	24.9	35.0	27	21·5	1·18	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CAIRO AREA	Giza	5	—	—	—	—	—	25.2	31.5	31	20·3	7	39.0	46.4	31	24.4	6	31.7	38.7	31	21.3	6
		10	—	—	—	—	—	25.7	30·7	31	21·4	7	31.7	37.4	31	25.2	7	31,8	37.2	31	24.2	6
		20	—	—	—	—	—	27.6	31.6	31	24.4	7·8	27.9	32.0	31	24.4	7	29.1	33.2	31	25.3	8
		50	—	—	—	—	—	27.4	30.0	31	25.4	9	27·3	30.0	31	25.3	9	27.3	30.0	31	25.2	9
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
UPPER EGYPT	Seds	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	22·2	23.5	*	20.5	4	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya	5	26.6	33.0	31	23·4	9	24·2	30.0	31	22.0	2	34·3	42.0	31	31.0	4	31.4	37.6	31	26.5	6
		10	28.4	34.0	31	24.7	8	26.5	32.0	31	24.0	7	30.8	37·0	31	28.0	6	30.6	36.0	29	27.5	4
		20	27·9	32.5	31	25.9	9	27.0	31·5	31	25.0	8	27·6	32·5	28	25.0	7	28.3	33.0	31	25.8	2
		50	27·4	31.3	31	25.5	1	26.4	30.6	31	25.8	8	27·4	30·8	31	25.9	7	27.5	32.0	31	26.0	2
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS

MAY 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
Upper Egypt (*contd.*)	Mallawi.. ..	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	23.9	25.9	31	22.7	1.2.3	24.0	26.2	31	22.7	1.2.3	23.9	26.2	31	22.7	1.2.3
		100	—	—	—	—	—	22.6	24.0	31	21.5	1.2.3	22.6	24.2	31	21.5	1.2.3	22.7	24.2	31	21.5	1.2.3
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel ..	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	29.5	32.0	31	26.5	3	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	27.5	30.8	21	26.0	1	—	—	—		—
	Kom Ombo ...	5	—	—	—	—	—	36.5	43.5	26	30.0	1	44.5	49.5	31	37.[illegible]	6	31.0	36.0	31	26.5	7
		10	—	—	—	—	—	32.8	36.9	27	28.0	1	42.4	46.0	31	36.0	6	31.3	36.5	31	27.0	7
		20	—	—	—	—	—	30.9	33.6	30.31	27.5	1	38.7	42.3	3[illegible]	32.5	6	31.1	34.5	26	28.0	1
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than three days

TABLE A 8.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

MAY 1961

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres	Dust rising Sand rising vis. ≥ 1000 metres	Duststorm Sandstorm vis. < 1000 metres	Drifting snow: Slight moderate vis. below eye level ≥ 1000 metres	Drifting snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing snow: Slight moderate vis. below eye level ≥ 1000 metres	Blowing snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear sky	Cloudy sky
MEDITERRANEAN	Sallum	0	0	0	0	0	0	2	0	3	0	2	0	0	0	0	0	0	22	2
	Sidi Barrani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Mersa Matruh ... ... (A)	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	18	1
	Dabaa	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	—	—
	Dekheila ... ... (A)	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	21	2
	Alexandria ... ... (A)	3	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	17	1
	Balteam	2	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	—	—
	Damietta	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	—	—
	Port Said ... ... (A)	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	21	0
	El Arish	2	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	16	1
	Ghazza	1	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	14	0
LOWER EGYPT	El Sirw	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Damanhour	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Tahrir	1	0	0	0	0	0	9	2	3	0	3	2	0	0	0	0	0	—	—
	Shebin El Kom	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Zagazig	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir ... . (A)	3	0	0	0	0	1	2	1	4	0	2	1	0	0	0	0	0	23	0
	Zaher ... ... (A)	1	1	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	—	—
	Wadi El Natrun	2	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	—	—
	Inshas ... ... (A)	1	0	0	0	0	1	1	0	6	0	1	0	0	0	0	0	0	—	—
	Fayed ... . (A)	2	0	0	0	0	1	0	0	0	0	0	3	0	0	0	0	0	—	—
	Kabrit ... . (A)	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	—	—
CAIRO AREA	Cairo ... ... (A)	2	0	0	0	0	2	3	0	8	0	1	0	0	0	0	0	0	18	0
	Mostafa Helmi . ... (A)	1	0	0	0	0	1	6	2	8	0	5	1	0	0	0	0	0	23	0
	Almaza ... ... (A)	2	0	0	0	0	1	4	0	10	0	1	0	0	0	0	0	0	21	0
	Abbasiya (H.Q.)...	2	0	0	0	0	2	1	0	3	0	1	0	0	0	0	0	0	22	0
	Imbaba ... ... (A)	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	—	—
	Giza	2	0	0	0	0	0	1	0	3	0	1	0	0	0	0	0	0	—	—
	Helwan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 8 *(contd.)*—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

MAY 1961

District	Station	Precipitation				Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis < 1000 metres.	Dust rising/sand rising vis. ≥ 1000 metres	Duststorm/Sandstorm vis. < 1000 metres.	Drifting snow		Blowing snow		Gales	Clear sky	Cloudy sky
		Rain	Snow	Ice pellets	Hail									light moderate vis. below eye level ≥ 1000 metres.	Heavy vis. below eye level < 1000 metres (snow storm)	Slight moderate vis. below eye level ≥ 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)			
Upper Egypt	Fayoum	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	—	—
	Beni Suef	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	—	—
	Seds	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	26	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad) (A)	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	29	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor (A)	0	0	0	0	0	0	0	0	2	0	2	1	0	0	0	0	0	30	0
	Kom Ombo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Aswan (A)	0	0	0	0		0	0	0	0	0	0	1	0	0	0	0	0	30	0
Western Desert	Siwa	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	24	0
	Bahariya	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	25	0
	Farafra	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	30	0
	Kharga	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	31	0
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	26	0
	Hurghada	1	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	5	28	0
	Quseir	0	0	0	0	0	0	0	0	10	0	6	3	0	0	0	0	0	29	0
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

MAY 1961

Region	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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	2	0	1–10	64	40	25	26	37	20	26	27	19	22	30	75	411
					11–27	2	6	8	25	5	3	37	16	3	3	63	157	328
					28–47	0	0	0	0	0	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	46	33	51	42	23	63	43	22	25	93	232	739
	Mersa Matruh ... (A)	10	4	0	1–10	32	22	15	20	40	23	14	8	16	61	22	46	319
					11–27	18	12	8	32	35	18	21	24	6	7	82	148	411
					28–47	0	0	0	0	0	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	34	23	52	75	41	35	32	22	68	104	194	730
	Dekheila ... ... (A)	3	0	0	1–10	137	57	32	40	46	46	22	11	9	18	35	43	496
					11–27	109	19	11	2	5	5	6	1	3	6	23	55	245
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	246	76	43	42	51	51	28	12	12	24	58	98	741
	Alexandria ... ... (A)	17	0	0	1–10	80	32	49	25	55	43	12	7	5	14	32	74	428
					11–27	46	21	8	2	0	2	2	1	1	10	85	121	299
					28–47	0	0	0	0	0	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	53	57	27	55	45	14	8	6	24	117	195	727
	Port Said ... ... (A)	5	0	0	1–10	108	47	58	30	30	18	15	8	17	22	22	40	415
					11–27	108	23	26	23	1	0	0	1	23	30	27	60	322
					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	216	70	84	53	31	18	15	9	40	52	49	102	739
	El Arish	43	2	0	1–10	56	77	27	10	17	78	40	55	44	32	90	126	652
					11–27	1	1	2	0	0	0	0	0	5	16	15	7	47
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	57	78	29	10	17	78	40	55	49	48	105	133	699
Lower Egypt	Tanta	38	4	0	1–10	26	71	71	63	16	6	19	50	73	97	92	91	675
					11–27	2	1	0	0	0	0	0	0	6	3	7	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	28	72	71	63	16	6	19	50	79	100	99	99	702
	Abu Sueir ... ... (A)	41	2	351	1–10	27	22	28	25	31	16	6	2	17	22	35	25	236
					11–27	50	33	4	0	3	0	0	0	8	6	3	7	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	77	55	32	25	34	16	6	2	25	28	38	32	350
	Zaher ... ... (A)	4	4	5	1–10	58	78	72	39	24	26	7	15	62	34	45	58	518
					11–27	39	48	26	6	7	8	0	5	20	12	16	26	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	97	126	98	45	31	34	7	20	82	46	61	84	731

TABLE A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

MAY 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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
CAIRO AREA	Cairo ... ... (A)	52	4	54	1-10	39	39	47	24	13	1	1	5	25	28	19	84	325
					11-27	45	49	59	25	20	0	9	7	18	13	22	41	308
					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	85	88	106	49	33	1	10	12	43	41	41	125	634
	Mostafa Helmi ... (A)	5	2	0	1-10	29	49	75	31	37	12	6	5	9	12	21	22	318
					11-27	75	105	53	37	4	2	5	5	9	29	43	51	418
					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	105	154	128	68	41	14	11	10	18	41	64	83	737
	Almaza ... ... (A) ...	0	1	0	1-10	53	146	151	15	38	12	7	8	30	51	63	26	600
					11-27	6	39	46	9	10	2	2	9	5	8	5	2	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	59	185	197	24	48	14	9	17	35	59	68	28	743
	Abbasiya (H.Q)... ...	80	1	0	1-10	182	125	67	21	2	4	10	25	39	62	46	79	662
					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	182	125	67	21	2	4	10	25	39	62	47	79	663
	Giza	70	5	0	1-10	180	93	19	1	2	21	18	11	17	44	77	121	604
					11-27	41	7	1	0	0	0	1	0	0	1	9	5	65
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	221	100	20	1	2	21	19	11	17	45	86	126	669
UPPER EGYPT	Minya ... ... (A) ...	34	5	3	1-10	154	78	10	1	5	23	20	11	4	18	25	64	413
					11-27	114	126	9	0	0	0	0	0	0	1	24	15	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	268	204	19	1	5	23	20	11	4	19	49	79	702
	Luxor ... ... (A) ...	73	6	0	1-10	93	51	19	16	24	25	51	45	45	42	53	161	628
					11-27	2	0	0	0	0	0	0	0	0	2	9	24	37
					28-47	0	0	0	0	0	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	51	19	16	24	25	51	45	45	44	65	185	665
WESTERN DESERT	Siwa	70	11	0	1-10	23	31	45	58	73	40	21	19	13	25	37	46	431
					11-27	57	41	10	0	1	9	15	6	5	8	22	58	232
					28-47	0	0	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	80	72	55	58	74	49	36	25	18	33	59	104	663
	Dakhla	3	35	0	1-10	65	35	26	17	9	11	26	24	39	43	133	135	563
					11-27	38	33	3	0	0	0	0	0	0	0	18	51	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	103	68	29	17	9	11	26	24	39	43	151	186	706
RED SEA	Hurghada	7	0	0	1-10	21	29	20	13	15	23	7	2	9	13	69	62	283
					11-27	139	24	4	0	5	1	1	0	0	3	63	132	372
					28-47	16	0	0	0	0	0	0	0	0	0	1	65	82
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	176	53	24	13	20	24	8	2	9	16	133	259	737

TABLE X 10. - NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SALLUM — MAY 1961

Hour (U.T.)	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	2	1	0	0	0	0	1	0	4	0	3	12
				11-27	0	0	0	1	0	0	1	1	2	1	3	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	2	1	1	0	0	1	2	2	5	3	3	21
0300	9	0	0	1-10	1	2	0	1	0	0	0	1	1	3	2	2	13
				11-27	0	0	0	0	0	0	0	2	2	2	3	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	2	0	1	0	0	0	3	3	5	5	2	22
0600	10	0	0	1-10	1	2	1	0	0	0	0	1	0	3	0	5	13
				11-27	0	0	0	0	0	0	0	0	3	2	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	0
				All speeds	1	2	1	0	0	0	0	1	3	5	2	6	21
0900	4	0	0	1-10	0	5	1	5	0	0	0	0	0	0	0	2	13
				11-27	2	2	1	0	0	0	0	1	3	0	4	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	7	2	5	0	0	0	1	3	0	4	3	27
1200	1	0	0	1-10	0	2	2	3	1	0	0	0	0	0	1	0	9
				11-27	11	4	2	0	0	0	0	1	0	2	0	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	11	6	4	3	1	0	0	1	0	2	1	1	30
1500	3	0	0	1-10	1	1	3	2	1	0	0	1	0	0	0	0	9
				11-27	9	4	1	0	0	0	0	1	0	0	2	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	10	5	4	2	1	0	0	2	0	0	2	2	28
1800	10	0	0	1-10	4	1	2	1	0	0	0	1	2	0	0	2	13
				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	5	3	3	1	0	0	0	1	2	0	1	5	21
2100	13	0	0	1-10	2	1	1	0	0	0	0	0	0	1	2	4	11
				11-27	1	0	1	0	0	0	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	1	2	0	0	0	1	0	1	4	2	4	18

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MERSA MATRUH (A) — MAY 1961

Hour (U.T.)	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	1	0	0	4	0	0	1	1	7	0	1	15
				11-27	0	0	0	0	1	1	2	1	0	1	2	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	0	1	0	0	5	1	2	2	1	8	2	6	28
0300	0	0	0	1-10	2	0	0	0	3	2	4	0	3	3	2	1	20
				11-27	0	0	0	0	1	0	2	1	0	1	0	4	9
				28-47	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
				All speeds	2	0	0	0	4	2	8	1	3	4	2	5	31
0600	1	0	0	1-10	1	1	0	0	0	2	0	0	0	0	3	1	8
				11-27	0	0	0	0	1	3	1	5	0	0	6	5	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	1	1	0	0	1	5	2	5	0	0	9	6	30
0900	0	0	0	1-10	3	0	0	1	0	0	1	1	1	0	0	2	9
				11-27	4	0	0	1	1	1	0	2	3	0	3	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	7	0	0	2	1	1	1	3	4	0	3	9	31
1200	1	0	0	1-10	1	2	0	1	1	1	0	0	0	0	0	0	6
				11-27	3	1	2	3	0	0	0	0	0	0	1	13	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	3	2	4	1	1	0	0	0	0	1	13	30
1500	0	0	0	1-10	1	1	1	4	0	0	0	0	0	0	0	0	7
				11-27	3	0	1	4	2	0	0	0	0	0	3	10	23
				28-47	0	0	0	0	0	0	1	0	0	0	0	1	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	1	2	8	2	0	1	0	0	0	3	11	31
1800	2	0	0	1-10	2	0	0	3	3	0	1	0	0	0	1	4	13
				11-27	1	1	0	0	4	0	2	0	0	0	5	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	3	1	0	3	7	0	3	0	0	0	6	9	29
2100	1	0	0	1-10	2	1	0	0	2	2	1	0	0	6	1	2	17
				11-27	1	0	0	1	1	1	1	0	0	0	5	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	3	1	0	1	3	3	2	0	0	6	6	5	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DEKHEILA (A)— MAY 1961

Hour (U.T.)	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	5	3	3	1	0	0	1	1	2	23
				11-27	3	0	0	0	1	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	9	1	0	5	4	3	1	0	0	1	2	5	31
0300	1	0	0	1-10	9	1	0	0	4	4	1	2	0	0	1	1	23
				11-27	3	0	0	0	1	1	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	12	1	0	0	5	5	1	2	0	0	2	2	30
0600	0	0	0	1-10	2	3	1	0	2	6	2	1	1	2	1	3	24
				11-27	3	0	0	0	0	1	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	5	3	1	0	2	7	2	1	1	3	1	5	31
0900	0	0	0	1-10	4	3	0	1	1	0	2	1	0	1	1	5	19
				11-27	3	2	0	0	0	0	2	0	0	1	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	7	5	0	1	1	0	4	1	0	2	2	8	31
1200	0	0	0	1-10	6	2	0	0	0	1	1	0	0	0	1	4	15
				11-27	5	3	1	0	0	0	0	0	1	0	1	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	11	5	1	0	0	1	1	0	1	0	2	9	31
1500	0	0	0	1-10	7	3	2	0	0	0	0	0	0	0	2	1	15
				11-27	9	2	3	0	0	0	0	0	0	0	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	16	5	5	0	0	0	0	0	0	0	3	2	31
1800	0	0	0	1-10	8	1	6	3	1	0	0	0	0	0	2	2	22
				11-27	5	1	0	1	0	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	13	2	6	4	1	0	0	0	0	0	3	2	31
2100	0	0	0	1-10	5	5	1	5	2	2	0	0	0	1	3	0	24
				11-27	5	0	0	0	1	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	5	1	5	3	2	0	0	0	1	3	1	31

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALEXANDRIA (A) — MAY 1961

Hour (U.T.)	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	4	1	3	1	5	2	0	0	0	1	0	3	20
				11-27	0	0	0	0	0	0	0	0	0	1	3	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	3	1	5	2	0	0	0	2	3	6	27
0300	4	0	0	1-10	1	1	0	0	6	3	2	0	0	0	3	4	20
				11-27	1	0	0	0	0	0	0	0	0	0	1	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	2	1	0	0	6	3	2	0	0	0	4	9	27
0600	0	0	0	1-10	2	2	1	1	5	3	2	1	0	2	3	0	22
				11-27	0	1	0	1	0	0	0	0	0	0	3	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	2	3	1	2	5	3	2	1	0	2	6	4	31
0900	0	0	0	1-10	0	0	2	0	3	1	1	1	0	1	2	6	17
				11-27	1	0	0	0	0	1	1	0	0	0	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	1	0	2	0	3	2	2	1	0	1	10	9	31
1200	0	0	0	1-10	2	0	0	0	1	1	1	0	0	0	2	3	10
				11-27	6	0	0	0	0	0	0	0	0	3	2	10	21
				28-47	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
				All speeds	8	0	0	0	1	1	1	0	0	3	4	13	31
1500	0	0	0	1-10	5	2	2	0	0	0	0	0	0	0	0	0	9
				11-27	4	5	0	0	0	0	0	0	0	1	4	8	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	7	2	0	0	0	0	0	0	1	4	8	31
1800	0	0	0	1-10	3	6	5	0	0	0	0	0	0	1	0	1	16
				11-27	4	0	2	0	0	0	0	0	0	0	4	5	15
				28-47	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
				All speeds	7	6	7	0	0	0	0	0	0	1	4	6	31
2100	0	0	0	1-10	4	2	5	2	3	0	0	0	0	1	0	5	22
				11-27	1	1	0	1	0	0	0	0	0	0	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	3	5	3	3	0	0	0	0	1	4	7	31

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

PORT SAID (A) — MAY 1961

Hour (U.T.)	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	8	1	2	2	2	1	1	0	0	2	1	0	20
				11-27	1	0	0	2	0	0	0	0	2	1	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	9	1	2	4	2	1	1	0	2	3	3	1	29
0300	3	0	0	1-10	6	3	2	0	1	4	1	0	0	1	2	0	20
				11-27	1	0	1	1	0	0	0	0	1	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	7	3	3	1	1	4	1	0	1	3	3	1	28
0600	0	0	1	1-10	6	0	3	0	1	1	1	2	1	2	1	2	20
				11-27	0	0	1	1	1	0	1	0	3	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	0	4	1	2	1	2	2	4	4	1	3	30
0900	0	0	0	1-10	7	2	1	3	0	0	1	1	1	4	1	2	23
				11-27	2	0	1	1	0	0	0	0	0	2	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	9	2	2	4	0	0	1	1	1	6	1	4	31
1200	0	0	0	1-10	4	4	2	0	0	0	0	0	0	1	0	0	11
				11-27	13	1	2	1	0	0	0	0	0	0	0	3	20
				28-47	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
				All speeds	17	5	4	1	0	0	0	0	0	1	0	3	31
1500	0	0	0	1-10	1	2	2	3	0	0	0	0	0	0	0	1	9
				11-27	11	4	1	0	0	0	0	0	0	1	0	4	21
				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	6	3	3	0	0	0	0	0	1	0	6	31
1800	0	0	0	1-10	5	1	1	3	0	0	0	0	1	0	1	1	13
				11-27	6	3	2	1	0	0	0	0	0	1	1	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	11	4	3	4	0	0	0	0	1	1	2	5	31
2100	1	0	0	1-10	7	1	2	1	2	2	0	0	0	0	1	1	17
				11-27	2	1	2	1	0	0	0	0	0	2	2	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	9	2	4	2	2	2	0	0	0	2	3	4	30

TABLE A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

EL ARISH — MAY 1931

Hour (U.T.)	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	5	3	5	3	3	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	2	0	0	0	0	5	3	5	3	3	1	1	23
0300	11	0	0	1–10	1	0	0	0	0	3	4	4	3	2	2	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	1	0	0	0	0	3	4	4	3	2	2	1	20
0600	5	0	0	1–10	2	0	0	2	1	3	3	2	4	3	5	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	2	0	0	2	1	3	3	2	5	3	5	0	26
0900	1	0	0	1–10	5	2	0	0	2	0	1	0	1	1	4	12	28
				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	0	2	0	1	0	1	2	5	12	30
1200	0	0	0	1–10	4	4	0	0	0	0	0	0	0	0	1	14	23
				11–27	0	1	0	0	0	0	0	0	0	2	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	5	0	0	0	0	0	0	0	2	2	18	31
1500	0	0	0	1–10	3	8	4	0	0	0	0	0	0	2	1	12	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	3	8	4	0	0	0	0	0	0	3	1	12	31
1800	8	0	0	1–10	5	4	0	2	0	1	0	0	1	2	5	2	22
				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	4	1	2	0	1	0	0	1	2	5	2	23
2100	12	0	0	1–10	1	2	0	0	2	0	4	3	0	1	4	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	1	2	0	0	2	0	4	3	0	1	4	2	19

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS,

GHAZZA — MAY 1961

Hour (U.T.)	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	1	3	9	7	2	0	1	2	2	27
				11-27	0	0	0	0	1	0	0	0	0	2	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	0	0	0	1	4	9	7	2	0	3	2	3	31
0300	0	0	0	1-10	0	0	0	1	3	14	5	0	2	1	2	1	29
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	1	3	14	6	0	2	2	2	1	31
0600	0	0	0	1-10	2	0	0	0	0	4	4	0	7	5	0	6	28
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	0	0	4	4	1	9	5	0	6	31
0900	0	0	0	1-10	3	1	0	0	0	0	1	0	1	8	5	9	28
				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	3	1	0	0	0	0	1	0	3	9	5	9	31
1200	0	0	0	1-10	10	2	0	0	0	0	0	0	0	5	4	7	28
				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	10	2	0	0	0	0	0	0	0	6	5	8	31
1500	0	0	0	1-10	13	2	0	0	0	0	0	0	1	3	2	8	29
				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	14	2	0	0	0	0	0	0	1	4	2	8	31
1800	2	0	0	1-10	7	5	0	5	0	0	1	0	0	4	0	3	25
				11-27	1	1	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	8	6	0	5	0	0	1	0	0	5	0	4	29
2100	1	0	0	1-10	2	0	0	3	3	4	3	1	1	5	1	4	27
				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	3	0	0	3	3	4	3	2	1	5	1	5	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ABU SUEIR (A) — MAY 1961

Hour (U.T.)	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	1	1	0	0	0	0	1	0	2	2	4	3	14
				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	1	1	0	0	0	0	1	0	3	3	5	3	17
0300	15	0	0	1-10	0	1	0	1	0	1	0	0	5	1	3	2	14
				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	1	0	1	0	0	6	1	4	2	16
0600	9	0	0	1-10	0	4	2	0	3	1	0	1	1	2	0	2	16
				11-27	0	1	1	0	0	0	0	0	1	2	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	0	5	3	0	3	1	0	1	2	4	0	3	22
0900	2	0	0	1-10	2	4	2	1	0	1	0	0	0	2	4	2	18
				11-27	2	1	1	1	2	0	0	0	2	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	4	5	3	2	2	1	0	0	2	3	5	2	29
1200	0	0	0	1-10	4	3	0	0	1	0	0	0	1	1	2	1	13
				11-27	5	3	1	1	1	0	0	0	3	2	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	9	6	1	1	2	0	0	0	4	3	3	2	31
1500	0	0	0	1-10	0	1	0	2	0	0	0	0	1	0	0	0	4
				11-27	9	11	2	0	1	0	0	0	0	2	0	1	26
				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	9	12	2	2	1	0	0	0	1	2	0	2	31
1800	4	0	0	1-10	2	3	4	0	0	0	0	0	0	1	0	0	10
				11-27	5	4	4	1	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	7	7	8	1	0	0	0	0	0	1	1	2	27
2100	6	0	0	1-10	3	2	3	1	2	0	0	0	3	1	3	3	21
				11-27	1	0	1	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	4	2	4	2	2	0	0	0	3	1	3	4	25

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

CAIRO (A) — MAY 1961

Hour (U.T.)	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	2	3	1	1	1	0	1	2	0	1	19
				11–27	0	0	0	4	3	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	2	5	2	7	4	1	1	0	1	2	0	1	26
0300	7	0	0	1–10	3	4	2	3	0	2	0	2	2	1	0	1	20
				11–27	0	0	1	1	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	3	4	3	4	2	2	0	2	2	1	0	1	24
0600	3	0	0	1–10	2	5	1	3	0	2	1	0	2	3	1	0	20
				11–27	3	1	2	1	0	0	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	5	6	3	4	0	2	1	0	3	3	1	0	28
0900	0	0	0	1–10	2	5	3	1	0	1	0	0	2	2	1	0	17
				11–27	0	2	4	2	0	0	1	1	0	3	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	7	7	3	0	1	1	1	2	5	1	1	31
1200	0	0	0	1–10	2	4	0	0	0	0	0	1	0	3	3	2	15
				11–27	3	3	1	0	0	0	0	0	1	3	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	5	7	1	0	0	0	0	1	1	6	5	5	31
1500	0	0	0	1–10	2	1	0	0	0	0	0	0	0	0	1	3	7
				11–27	5	6	1	0	0	0	0	1	0	4	4	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	7	7	1	0	0	0	0	1	0	4	5	6	31
1800	0	0	0	1–10	3	1	0	0	0	0	0	0	0	4	0	3	11
				11–27	4	6	6	1	0	0	0	0	0	0	0	2	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	7	7	6	1	0	0	0	0	0	4	0	5	31
2100	0	0	0	1–10	3	6	4	3	1	0	0	0	2	2	1	3	25
				11–27	0	0	1	3	2	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	6	5	6	3	0	0	0	2	2	1	3	31

TABLE A 10. —NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MOSTAFA HELMI — MAY 1961

Hour (U.T.)	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	5	7	3	4	0	0	0	0	1	0	1	22
				11-27	3	0	0	2	0	0	0	0	1	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	4	5	7	5	4	0	0	0	1	1	1	3	31
0300	2	0	0	1-10	3	1	5	2	4	0	0	1	0	0	2	2	20
				11-27	1	1	1	0	0	1	0	0	1	2	1	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	4	2	6	2	4	1	0	1	1	2	3	3	29
0600	2	0	0	1-10	2	0	2	3	1	0	1	0	0	0	2	1	12
				11-27	0	4	3	2	1	0	2	0	1	2	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	2	4	5	5	2	0	3	0	1	2	2	3	29
0900	0	0	0	1-10	1	6	2	1	2	0	0	1	0	1	1	1	16
				11-27	0	4	1	3	0	0	1	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	1	10	3	4	2	0	1	1	0	2	3	4	31
1200	1	0	0	1-10	3	3	3	0	0	1	0	0	0	1	1	1	13
				11-27	3	6	2	0	0	0	0	1	0	2	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	6	9	5	0	0	1	0	1	0	3	2	3	30
1500	0	0	0	1-10	1	2	2	0	0	0	0	1	0	1	0	3	10
				11-27	4	5	1	2	0	0	0	0	0	1	2	5	20
				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	7	3	2	0	0	0	1	0	2	2	8	31
1800	0	0	0	1-10	0	2	3	0	1	0	0	0	0	0	1	0	7
				11-27	6	6	4	2	0	0	0	0	0	0	1	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	6	8	7	2	1	0	0	0	0	0	2	5	31
2100	0	0	0	1—10	2	1	2	1	1	0	0	0	0	0	1	2	10
				11—27	1	4	6	3	1	0	0	0	1	0	2	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	3	5	8	4	2	0	0	0	1	0	3	5	31

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALMAZA (A) — MAY 1961

Hour (U.T.)	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	5	2	5	5	0	0	0	1	2	2	0	27
				11-27	0	0	0	0	1	1	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	**5**	**5**	**2**	**5**	**6**	**1**	**0**	**2**	**1**	**2**	**2**	**0**	**31**
0300	3	0	0	1-10	0	12	3	1	2	1	2	1	2	3	0	0	27
				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**	**12**	**3**	**1**	**2**	**2**	**2**	**1**	**2**	**3**	**0**	**0**	**28**
0600	3	0	0	1-10	3	5	4	1	0	0	0	2	0	3	2	1	21
				11-27	0	2	2	2	0	0	1	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**	**7**	**6**	**3**	**0**	**0**	**1**	**2**	**0**	**3**	**2**	**1**	**28**
0900	0	0	0	1-10	4	7	5	1	0	1	0	1	1	2	4	0	26
				11-27	0	3	0	0	0	0	0	0	0	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	**4**	**10**	**5**	**1**	**0**	**1**	**0**	**1**	**1**	**4**	**4**	**0**	**31**
1200	0	0	0	1-10	1	8	0	0	0	0	0	0	3	0	2	3	17
				11-27	0	8	0	0	0	0	0	1	0	4	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	**1**	**16**	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**4**	**3**	**3**	**31**
1500	0	0	0	1-10	3	6	3	0	0	0	0	0	0	2	3	2	19
				11-27	2	6	0	0	0	0	1	0	0	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	**5**	**12**	**3**	**0**	**0**	**0**	**1**	**0**	**0**	**4**	**4**	**2**	**31**
1800	0	0	0	1-10	1	6	3	0	0	0	1	1	0	1	3	2	18
				11-27	2	6	4	1	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	**3**	**12**	**7**	**1**	**0**	**0**	**1**	**1**	**0**	**1**	**3**	**2**	**31**
2100	0	0	0	1-10	2	9	5	2	0	1	0	1	3	2	1	0	26
				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	**3**	**9**	**6**	**3**	**2**	**1**	**0**	**1**	**3**	**2**	**1**	**0**	**31**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

GIZA — MAY 1961

Hour (U.T.)	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	2	1	0	0	0	0	1	1	0	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	2	1	0	0	0	0	1	1	0	3	8	20
0300	12	0	0	1-10	4	0	0	0	0	1	1	0	2	1	7	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	0	0	0	0	1	1	0	2	1	7	3	19
0600	4	0	0	1-10	5	1	1	0	0	3	0	0	1	2	6	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	6	1	1	0	0	3	0	0	1	2	6	7	27
0900	0	0	0	1-10	6	10	2	0	0	1	1	0	0	6	2	2	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	7	10	2	0	0	1	1	0	0	6	2	2	31
1200	0	0	0	1-10	10	4	0	0	0	0	1	0	4	1	5	2	27
				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	11	4	0	0	0	0	1	0	4	1	7	3	31
1500	0	0	0	1-10	8	2	0	0	0	1	0	1	0	2	1	6	21
				11-27	5	1	0	0	0	0	0	0	0	1	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	13	3	0	0	0	1	0	1	0	3	3	7	31
1800	0	0	0	1-10	9	8	1	0	1	0	0	1	0	1	3	2	26
				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	11	10	1	0	1	0	0	1	0	1	3	3	31
2100	3	0	0	1-10	8	8	2	0	0	0	1	0	1	1	2	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	8	8	2	0	0	0	1	0	1	1	2	5	28

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MINYA (A) — MAY 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of 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	12	0	0	0	0	1	1	0	0	1	0	0	15
				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	22	0	0	0	0	1	1	0	0	1	0	0	25
0300	6	0	0	1-10	11	0	1	0	0	0	0	0	0	0	1	7	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	16	0	1	0	0	0	0	0	0	0	1	7	25
0600	0	0	0	1-10	8	6	0	0	2	1	3	0	0	0	1	2	23
				11-27	7	1	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	15	7	0	0	2	1	3	0	0	0	1	2	31
0900	0	0	0	1-10	4	5	0	0	0	1	2	2	2	0	2	1	19
				11-27	6	4	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	9	0	0	0	1	2	2	2	0	3	2	31
1200	1	0	0	1-10	0	4	0	0	0	0	1	0	0	3	2	0	11
				11-27	8	7	0		0	0	0	0	0	0	4	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	8	11	0	0	0	0	1	0	0	3	6	0	30
1500	0	0	0	1-10	4	2	0	1	0	0	1	0	0	1	1	2	12
				11-27	10	3	1	0	0	0	0	0	0	0	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	14	5	1	1	0	0	1	0	0	1	4	4	31
1800	3	0	0	1-10	9	6	2	0	0	0	1	0	0	0	0	0	18
				11-27	8	0	0	0	0	0	0	0	0	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	17	6	2	0	0	0	1	0	0	0	2	0	28
2100	8	0	0	1-10	6	3	0	0	0	1	0	1	0	0	0	1	12
				11-27	9	2	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	15	5	0	0	0	1	0	1	0	0	0	1	23

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASYOUT (A) — MAY 1961

Hour (U.T.)	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	12	0	0	1-10	0	0	0	1	0	1	0	1	2	5	3	3	16
				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	2	0	0	1	0	1	0	1	2	5	3	4	19
0300	13	0	0	1-10	0	0	0	0	0	2	0	0	0	9	1	2	14
				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	1	0	0	0	0	2	0	0	0	10	1	4	18
0600	14	0	0	1-10	1	0	0	0	0	0	0	0	0	3	6	3	13
				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	0	0	0	0	0	0	0	0	4	6	5	17
0900	9	0	0	1-10	6	0	0	0	0	0	0	0	0	3	1	2	12
				11-27	2	0	0	0	0	0	0	0	0	0	1	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	8	0	0	0	0	0	0	0	0	3	2	9	22
1200	3	0	0	1-10	1	0	0	0	0	0	1	1	0	1	0	4	8
				11-27	4	1	0	0	0	0	0	0	0	0	2	13	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	0	0	0	0	1	1	0	1	2	17	28
1500	4	0	0	1-10	2	0	0	0	0	0	1	0	0	1	1	4	9
				11-27	3	0	1	0	0	0	0	0	0	1	2	11	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	0	1	0	0	0	1	0	0	2	3	15	27
1800	10	0	0	1-10	1	2	0	0	0	0	1	0	0	3	7	2	16
				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	2	2	0	0	0	0	1	0	0	3	7	6	21
2100	9	0	0	1-10	1	0	0	0	1	0	1	0	3	7	6	0	19
				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	2	0	0	0	1	0	1	0	3	7	6	2	22

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

LUXOR (A) — MAY 1961

Hour (U.T.)	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	3	0	0	0	0	4	2	1	0	1	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	3	0	0	0	0	4	2	1	0	1	2	13
0300	22	0	0	1–10	0	0	1	1	2	0	3	0	1	1	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	0	0	1	1	2	0	3	0	1	1	0	0	9
0600	19	0	0	1–10	4	0	0	0	2	0	0	0	2	2	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	0	0	2	0	0	0	2	2	1	1	12
0900	6	0	0	1–10	2	6	0	0	0	1	0	0	1	0	3	10	23
				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	6	0	0	0	1	0	0	1	0	3	11	25
1200	2	0	0	1–10	4	2	0	0	0	0	0	0	2	3	3	10	24
				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	2	0	0	0	0	0	0	2	3	3	15	29
1500	1	0	0	1–10	5	1	1	0	0	0	0	0	1	0	2	14	24
				11–27	1	0	0	0	0	0	0	0	0	0	0	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	6	1	1	0	0	0	0	0	1	0	2	19	30
1800	10	0	0	1–10	1	1	0	0	0	0	0	0	0	2	5	11	20
				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	1	0	0	0	0	0	0	0	2	5	12	21
2100	11	0	0	1–10	5	1	0	0	1	2	1	2	3	0	0	5	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	5	1	0	0	1	2	1	2	3	0	0	5	20

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASWAN (A) — MAY 1961

Hour (U.T.)	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	12	1	0	0	0	0	0	0	0	0	0	2	15
				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	14	1	0	0	0	0	0	0	0	0	0	4	19
0300	20	0	0	1-10	9	2	0	0	0	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	9	2	0	0	0	0	0	0	0	0	0	0	11
0600	8	0	0	1-10	12	5	0	0	0	0	0	0	0	0	0	0	17
				11-27	5	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	17	5	0	0	0	0	0	0	0	0	0	1	23
0900	5	0	0	1-10	8	4	0	0	0	0	0	0	0	1	0	0	13
				11-27	7	4	0	0	0	0	0	0	0	0	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	15	8	0	0	0	0	0	0	0	1	2	0	26
1200	5	0	0	1-10	4	2	0	0	0	0	0	0	0	2	0	5	13
				11-27	10	1	0	0	0	0	0	0	0	1	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	14	3	0	0	0	0	0	0	0	3	0	6	26
1500	4	0	0	1-10	8	1	0	0	0	0	0	0	0	1	0	1	11
				11-27	7	1	1	0	0	0	0	0	0	4	0	2	15
				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	16	2	1	0	0	0	0	0	0	5	0	3	27
1800	5	0	0	1-10	12	2	0	0	0	0	0	0	0	0	1	2	17
				11-27	4	0	0	0	0	0	0	0	0	0	2	2	8
				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	17	2	0	0	0	0	0	0	0	0	3	4	26
2100	7	0	0	1-10	8	1	0	0	0	0	1	0	0	2	1	4	17
				11-27	7	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	1	0	0	0	0	1	0	0	2	1	4	24

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SIWA — MAY 1961

Hour (U.T.)	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	1	2	5	7	1	2	0	0	0	0	0	1	19
				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	4	2	5	7	1	2	0	0	0	0	0	1	22
0300	12	0	0	1-10	1	2	5	3	1	2	0	0	0	1	1	0	16
				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	3	2	5	3	1	2	0	0	0	1	1	1	19
0600	8	0	0	1-10	1	0	2	1	9	3	0	0	0	1	0	1	18
				11-27	3	0	2	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	4	0	4	1	9	3	0	0	0	1	0	1	23
0900	0	0	0	1-10	1	0	2	2	0	5	2	1	2	1	0	1	17
				11-27	2	1	1	0	0	2	1	1	2	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	3	1	3	2	0	7	3	2	4	2	0	4	31
1200	0	0	0	1-10	1	2	1	0	0	0	2	2	0	3	3	3	17
				11-27	1	2	0	0	0	0	2	0	0	1	5	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	2	4	1	0	0	0	4	2	0	4	8	6	31
1500	1	0	0	1-10	3	1	0	0	0	0	1	1	0	4	2	5	17
				11-27	4	1	0	0	0	0	3	0	0	0	2	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	7	2	0	0	0	0	4	1	0	4	4	8	30
1800	6	0	0	1-10	4	2	0	0	1	1	1	3	0	0	3	5	20
				11-27	4	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	3	0	0	1	1	1	3	0	0	3	5	25
2100	8	0	0	1-10	4	2	5	3	0	2	0	0	0	1	0	0	17
				11-27	1	2	3	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	4	8	3	0	2	0	0	0	1	0	0	23

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

BAHARIYA — MAY 1961

Hour (U.T.)	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	1	4	0	0	0	0	0	0	0	0	0	0	5
				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	3	6	0	0	0	0	0	0	0	0	0	0	9
0300	25	0	0	1—10	1	3	0	0	0	0	0	0	0	0	0	0	4
				11—27	0	1	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	1	4	0	0	0	0	0	0	0	0	0	1	6
0600	21	0	0	1—10	2	1	0	0	0	0	0	0	0	1	1	0	5
				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	3	1	0	0	0	0	0	0	0	1	2	0	7
0900	7	0	0	1—10	4	7	0	1	0	1	0	0	1	0	2	1	17
				11—27	3	2	0	0	0	0	0	0	0	1	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	9	0	1	0	1	0	0	1	1	2	2	24
1200	9	0	0	1—10	1	1	1	0	0	1	0	0	0	2	0	5	11
				11—27	5	2	0	0	0	0	0	0	0	1	3	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	3	1	0	0	1	0	0	0	3	3	5	22
1500	5	0	0	1—10	6	4	0	1	0	0	0	0	0	1	1	3	16
				11—27	3	3	0	0	0	0	0	0	0	0	4	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	9	7	0	1	0	0	0	0	0	1	5	3	26
1800	9	0	0	1—10	5	3	2	0	0	0	0	0	0	1	3	3	17
				11—27	1	2	0	0	0	0	0	0	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	6	5	2	0	0	0	0	0	0	2	4	3	22
2100	16	0	0	1—10	5	4	0	0	0	0	0	0	0	1	0	0	10
				11—27	2	3	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	7	0	0	0	0	0	0	0	0	1	0	0	15

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DAKHLA — MAY 1961

Hour (U.T.)	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	1	1	0	1	0	3	0	1	4	6	1	20
				11-27	1	1	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	3	2	2	0	1	0	3	0	1	4	6	1	23
0300	7	0	0	1-10	1	0	0	1	0	1	2	2	2	6	4	3	22
				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	2	1	0	1	0	1	2	2	2	6	4	3	24
0600	4	0	0	1-10	1	3	3	0	0	0	1	0	2	3	4	7	24
				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	1	4	3	0	0	0	1	0	2	3	4	9	27
0900	0	0	0	1-10	4	1	1	1	0	3	1	1	0	2	4	5	23
				11-27	2	2	0	0	0	0	0	0	0	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	6	3	1	1	0	3	1	1	0	3	4	8	31
1200	0	0	0	1-10	3	2	0	0	1	1	0	0	1	2	4	6	20
				11-27	4	3	0	0	0	0	0	0	0	0	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	7	5	0	0	1	1	0	0	1	2	4	10	31
1500	0	0	0	1-10	7	1	0	0	0	0	0	1	0	0	4	7	20
				11-27	6	1	1	0	0	0	0	0	0	1	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	13	2	1	0	0	0	0	1	0	1	5	8	31
1800	5	0	0	1-10	7	5	1	0	0	0	0	1	0	0	4	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	7	5	1	0	0	0	0	1	0	0	4	8	26
2100	6	0	0	1-10	2	1	1	0	1	0	0	0	3	2	8	5	23
				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	3	2	1	0	1	0	0	0	3	2	8	5	25

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

KHARGA — MAY 1961

Hour (U.T.)	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	4	0	0	0	0	0	0	0	0	0	0	1	5
				11–27	7	1	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	11	1	0	0	0	0	0	0	0	0	0	1	13
0300	18	0	1	1–10	7	0	0	0	0	0	0	0	0	0	0	0	7
				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	12	0	0	0	0	0	0	0	0	0	0	0	12
0600	15	0	0	1–10	10	0	0	0	0	0	0	0	0	0	0	0	10
				11–27	5	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
				≥ 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	0	0	0	16
0900	10	0	0	1–10	7	0	1	0	0	0	1	0	0	0	0	0	9
				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	15	1	1	0	0	0	1	0	0	0	1	2	21
1200	8	0	0	1–10	8	0	0	0	0	0	1	1	0	0	0	0	10
				11–27	9	1	0	0	0	0	0	0	0	0	1	1	12
				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	17	2	0	0	0	0	1	1	0	0	1	1	23
1500	8	0	0	1–10	11	1	0	0	0	0	0	0	0	0	0	2	14
				11–27	8	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	19	1	0	0	0	0	0	0	0	0	0	3	23
1800	16	0	0	1–10	12	0	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	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	14	0	0	0	0	0	0	0	0	0	0	1	15
2100	22	0	0	1–10	6	0	0	0	0	0	0	0	0	0	0	0	6
				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	0	0	0	0	0	0	9

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

TOR — MAY 1961

Hour (U.T.)	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	2	2	0	0	0	0	0	0	0	1	8	3	16
				11–27	0	0	0	0	0	0	0	0	0	0	8	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**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**16**	**4**	**25**
0300	12	0	0	1–10	3	0	0	0	0	0	0	0	0	0	6	1	10
				11–27	0	0	0	0	0	0	0	0	0	0	7	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**13**	**3**	**19**
0600	6	0	0	1–10	0	0	0	0	0	0	0	0	0	2	11	4	17
				11–27	0	0	0	0	0	0	0	0	0	0	7	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**18**	**5**	**25**
0900	0	0	0	1–10	0	0	0	0	0	1	0	1	0	7	8	2	19
				11–27	0	0	0	0	0	0	0	0	0	1	10	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**	**1**	**0**	**1**	**0**	**8**	**18**	**3**	**31**
1200	0	0	0	1–10	0	0	0	0	0	0	1	3	1	5	10	1	21
				11–27	0	0	0	0	0	0	0	0	0	0	10	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**	**0**	**0**	**0**	**0**	**1**	**3**	**1**	**5**	**20**	**1**	**31**
1500	3	0	0	1–10	0	0	0	0	0	0	1	1	1	1	13	2	10
				11–27	0	0	0	0	0	0	0	0	0	0	8	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**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**21**	**3**	**28**
1800	9	0	0	1–10	1	0	0	0	0	1	0	0	0	0	8	6	16
				11–27	0	0	0	0	0	0	0	0	0	0	6	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**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**14**	**6**	**22**
2100	4	0	0	1–10	5	2	0	1	0	0	0	0	0	2	7	3	20
				11–27	0	0	0	0	0	0	0	0	0	0	6	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	**5**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**13**	**4**	**27**

TABLE A 10,—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

HURGHADA— MAY 1961

Hour (U.T.)	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	1	0	4	4	9
				11–27	2	0	0	0	0	0	0	0	0	0	9	6	17
				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	**2**	**0**	**0**	0	0	0	**0**	**0**	**1**	**0**	**13**	**13**	**29**
0300	3	0	0	1–10	0	0	0	0	0	0	0	0	0	1	7	4	12
				11–27	1	0	0	0	0	0	0	0	0	0	3	7	11
				28–47	1	0	0	0	0	0	0	0	0	0	0	4	5
				≥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**	**10**	**15**	**28**
0600	1	0	0	1–10	0	0	1	1	0	0	0	0	0	0	0	6	8
				11–27	4	0	0	0	0	0	0	0	0	0	1	12	17
				28–47	0	0	0	0	0	0	0	0	0	0	0	5	5
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**4**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**23**	**30**
0900	0	0	0	1–10	0	3	2	1	0	1	0	0	0	0	0	0	7
				11–27	10	7	0	0	0	0	0	0	0	0	0	4	21
				28–47	2	0	0	0	0	0	0	0	0	0	0	1	3
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**12**	**10**	**2**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**5**	**31**
1200	0	0	0	1–10	1	3	1	3	1	0	0	0	0	0	0	0	9
				11–27	8	7	1	0	1	0	0	0	0	0	0	1	18
				28–47	3	0	0	0	0	0	0	0	0	0	0	1	4
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**12**	**10**	**2**	**3**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**31**
1500	0	0	0	1–10	2	4	0	1	3	3	0	0	0	0	0	0	13
				11–27	10	0	0	0	1	1	0	0	0	0	0	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	**12**	**4**	**0**	**1**	**4**	**4**	**0**	**0**	**0**	**0**	**0**	**6**	**31**
1800	5	0	0	1–10	0	0	1	0	1	2	0	0	0	1	3	3	11
				11–27	3	0	0	0	0	1	0	0	0	0	2	6	12
				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	**3**	**0**	**1**	**0**	**1**	**3**	**0**	**0**	**0**	**1**	**5**	**12**	**26**
2100	4	0	0	1–10	0	0	0	1	0	0	0	0	1	0	6	2	10
				11–27	0	0	0	0	0	0	0	0	0	0	8	4	12
				28–47	0	0	0	0	0	0	0	0	0	0	2	3	5
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**16**	**9**	**27**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

QUSEIR — MAY 1961

Hour (U.T.)	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	0	0	0	0	0	0	0	2	7	5	2	17
				11–27	0	0	0	0	0	0	0	0	0	0	2	7	9
				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	2	0	0	0	0	0	0	0	2	7	7	7	27
0300	1	0	0	1–10	1	0	0	0	0	0	0	0	0	11	6	2	20
				11–27	1	0	0	0	0	0	0	0	0	1	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	2	0	0	0	0	0	0	0	0	12	6	10	30
0600	0	0	0	1–10	1	1	1	0	0	0	0	0	0	4	1	2	10
				11–27	7	0	0	0	0	0	0	0	0	0	1	12	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	8	1	1	0	0	0	0	0	0	4	2	15	31
0900	0	0	0	1–10	2	1	2	0	0	0	0	0	0	0	0	0	5
				11–27	10	1	0	0	1	0	0	0	0	1	1	12	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	12	2	2	0	1	0	0	0	0	1	1	12	31
1200	0	0	0	1–10	3	4	1	1	0	0	0	0	0	0	0	0	9
				11–27	9	1	1	0	1	0	0	0	0	0	0	10	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	12	5	2	1	1	0	0	0	0	0	0	10	31
1500	0	0	0	1–10	5	3	2	2	0	1	0	0	0	0	0	6	19
				11–27	2	0	0	1	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	3	2	3	0	1	0	0	0	1	0	14	31
1800	8	0	0	1–10	0	0	1	0	0	0	0	0	1	2	2	9	15
				11–27	1	0	0	0	1	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	1	0	1	0	1	0	0	0	1	3	3	13	23
2100	8	0	0	1–10	1	0	0	0	0	1	0	0	1	7	4	5	19
				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	2	0	0	0	0	1	0	0	1	7	4	8	23

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ALEPPO (A) — 0000 U.T. — MAY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	966mb*	972mb*	960mb*	31	15.1	21.8	10.3	31	7.8
1000	—	—	—	—	—	—	—	—	—	—
850	31	1478	1525	1411	31	15.7	23.2	5.1	31	— 2.6
700	31	3091	3168	2970	31	4.3	10.0	— 5.2	31	—11.6
600	31	4323	4416	4164	31	— 5.0	— 1.0	—12.0	31	—20.0
500	31	5728	5839	5533	31	—15.5	—11.2	—22.2	31	—30.7
400	31	7372	7513	7131	31	—28.1	—22.8	—35.4	31	—43.3
300	31	9371	9553	9064	31	—43.5	—37.6	—51.5	31	—59.5
200	31	12015	12224	11715	31	—54.8	—49.5	—62.8	—	—
150	31	13849	14060	13586	31	—56.0	—50.3	—61.5	—	—
100	31	16395	16551	16105	31	—61.5	—54.6	—69.3	—	—
60	30	19575	19720	19200	30	—61·3	—58.0	—65.5	—	—
40	29	22130	22360	21680	29	—57 4	—53.6	—63.4	—	—
30	19	23910	24133	23486	19	—54.2	—50.8	—58.2	—	—
20	4	26544	26633	26428	4	—53.0	—51.0	—54.7	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A)—0000 U.T.— MAY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	1010mb*	1020mb*	1003mb*	31	18.2	24.5	14.0	31	12.6
1000	31	128	211	68	31	18.6	25.2	14.0	31	11.5
850	31	1521	1575	1453	31	51.6	25.7	6.0	26	1.0
700	31	3154	3199	3018	31	5.2	13.3	— 4.2	20	— 8.7
600	31	4375	4466	4218	31	— 4.1	1.5	—11.9	15	—15.7
500	31	5787	5899	5589	31	—14.7	—10.8	—27.1	16	—24.4
400	31	7439	7570	7192	31	—27.0	—22.5	—35.7	10	—36.0
300	31	9450	9616	9135	31	—42.4	—35.6	—49.5	—	—
200	31	12099	12290	11809	31	—55.3	—48.4	—61.3	—	—
150	31	13919	14112	13616	31	—58.6	—51.1	—63.4	—	—
100	31	16418	16653	16101	31	—65.0	—57.5	—72.0	—	—
60	25	19542	19641	19370	25	—63.1	—59.8	—67.5	—	—
40	20	22079	22179	21961	20	—58.3	—55.3	—64.0	—	—
30	11	23914	24026	23815	11	—53.8	—50.6	—55.8	—	—
20	5	26503	26598	26483	5	—48.5	—47.3	—50.2	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) - 1200 U.T. - MAY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pre sure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	1008mb*	1020mb*	1002mb*	31	23.9	35.0	19·8	31	13·5
1000	31	131	212	61	31	24.0	34.2	17.9	31	11.9
850	31	1533	1595	1458	31	16.7	30.4	5.6	23	— 2.2
700	31	3154	3236	3023	31	6.3	15.0	— 3.0	20	—10.5
600	31	4393	4471	4227	31	— 3.1	2.3	—11.0	14	—14.0
500	31	5812	5942	5603	31	—13.7	— 8.2	—20.8	10	—22.3
400	31	7471	7622	7213	31	—25.8	—21.3	—33.5	6	—35.6
300	31	9485	9664	9165	31	—41.6	—36.0	—49.0	—	—
200	31	12143	12356	11710	31	—55.1	—47.6	—61.1	—	—
150	31	13942	14164	13710	31	—58.1	—50.7	—62.7	—	—
100	31	16486	16622	16229	31	—64.0	—52.5	—70.1	—	—
60	28	19647	19875	19484	28	—61.3	—56.6	—66.2	—	—
40	22	22203	22446	21903	22	—54.5	—51.4	—61.1	—	—
30	10	24015	24181	23729	10	—52.4	—46.0	—55.4	—	—
20	5	26667	26743	26540	5	—46.5	—44.3	—48.4	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1. — UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 0000 U.T. — MAY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	29	996mb*	1004mb*	990mb*	29	20.7	31.0	15.3	29	4.9
1000	29	102	174	60	3	17.6	18.4	16.9	3	11.3
850	29	1499	1548	1439	29	17.5	27.0	6.7	17	— 2.4
700	29	3125	3194	3001	29	7.1	13.8	— 3.3	14	—11.8
600	29	4371	4455	4203	29	— 1.7	2.5	—10.7	12	—17.9
500	29	5796	5898	5577	29	—11.5	— 5.3	—21.0	7	—26.3
400	29	7466	7613	7185	29	—24.5	—17.7	—34.0	7	—35.2
300	29	9495	9679	9129	29	—39.9	—34.3	—50.9	—	—
200	28	12166	12415	11823	28	—53.6	—47.3	—59.4	—	—
150	24	13996	14234	13711	24	—57.4	—50·0	—65.4	—	—
100	21	16499	16702	16307	21	—66.0	—56.3	—72.0	—	—
60	14	19567	19661	19468	14	—64.1	—58.0	—69.6	—	—
40	6	22032	22132	21955	6	—58.6	—55.3	—61.1	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 1200 U.T. — MAY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	30	995mb*	1002mb*	990mb*	30	31.8	44.0	17.3	29	2.5
1000	30	100	158	60	2	27.6	27.9	27.2	2	8.6
850	30	1513	1554	1435	30	17.8	29.7	7.8	22	— 2.5
700	30	3137	3207	3000	29	7.0	13.8	— 4.2	12	—12.4
600	30	4386	4482	4203	29	— 1.5	4.7	—10.5	7	—18.3
500	30	5811	5925	5613	29	—11.7	— 6.2	—20.2	6	—23.2
400	30	7482	7607	7196	30	—24.3	—17.8	—34.5	6	—36.6
300	29	9526	9657	9176	29	—39.4	—33.2	—47.3	—	—
200	28	12199	12366	11867	28	—53.6	—46.3	—57.6	—	—
150	26	14044	14175	13758	26	—57.6	—51.3	—64.7	—	—
100	23	16543	16670	16359	23	—66.3	—57.2	—71.3	—	—
60	15	19647	19767	19512	15	—62.0	—54.9	—66.0	—	—
40	6	22150	22315	22081	6	—55.5	—52.8	—62.5	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) – 0000 U.T. — MAY 1961

N=The number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	997mb*	999mb*	994mb*	31	23.8	30.4	20.0	31	2.7
1000	—	—	—	—	—	—	—	—	—	—
850	31	1492	1528	1464	31	20.5	28.0	9.8	9	— 3.3
700	31	3132	3199	3039	31	9.6	15.9	— 1.4	6	— 6.9
600	31	4392	4486	4258	31	1.4	5.9	— 6.4	3	—14.9
500	31	5834	5954	5652	31	— 8.7	— 2.0	—18.0	—	—
400	31	7524	7690	7308	31	—21.6	—12.9	—29.0	—	—
300	30	9591	9824	9359	30	—35.5	—27.6	—40.5	—	—
200	28	12328	12654	12041	28	—51.0	—41.8	—56.4	—	—
150	18	14174	14558	13842	18	—61.7	—50.2	—66.8	—	—
100	10	16570	17012	16329	10	—77.0	—65.8	—81.2	—	—
60	3	19689	20111	19269	3	—68.3	—63.5	—75.8	—	—
40	1	22181	—	—	1	—63.9	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—		—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A)— 1200 U.T. — MAY 1961

N=The number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	997mb*	1000mb*	994mb*	31	38.6	46.7	30.8	31	4.4
1000	—	—	—	—	—	—	—	—	—	—
850	31	1529	1563	1499	31	23.9	30.3	14.4	5	— 7.6
700	31	3183	3240	3096	31	11.3	16.5	— 0.2	5	—14.2
600	31	4450	4528	4323	31	3.4	8.1	— 3.8	—	—
500	31	5900	6003	5742	31	— 7.2	— 2.6	—11.6	—	—
400	31	7600	7721	7411	31	—21.9	—16.2	— 25.0	—	—
300	30	9666	9807	9455	30	—35.5	—31.8	—39.1	—	—
200	28	12408	12572	12158	28	—50.9	—47.0	—55.0	—	—
150	21	14257	14424	14001	21	—62.4	—57.8	—67.0	—	—
100	15	16670	16868	16478	15	—76.4	—72.0	—82.3	—	—
60	6	19655	19684	19617	6	—72.0	—64.0	—77.9	—	—
40	1	22186	—	—	1	—59.2	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

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 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Aleppo .. ..(A)	3637 (31)	655 (31)	−15.2 (31)	4450	—	—	2330	—	—	11618 (31)	216 (31)	−56.3 (31)	18060	—	—	9500	—	—	—	—	—	—
Mersa Matruh (A)	3673 (30)	647 (30)	−11.7 (15)	4600	588	−13.1	2280	770	− 8.0	11651 (19)	21 (19)	−57.2 (19)	13130	170	−57.7	9600	289	−47.2	12050	207	240	105
Helwan	4090 (29)	622 (29)	−13.0 (12)	5080	555	—	2320	764	− 2.8	11960 (21)	214 (21)	−54.7 (24)	16627	100	−71.2	9210	281	−46.8	12350	187	240	95
Aswan .. (A)	4533 (31)	592 (31)	−12.6 (2)	5400	528	—	2600	740	—	15978 (6)	114 (6)	−71.2 (6)	17650	90	−68.2	14300	147	−64.5	13100	—	270	143

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 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Aleppo .. ..(A)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mersa Matruh (A)	3945 (31)	636 (31)	—12.2 (17)	4710	586	—12.7	2550	742	— 3.8	11373 (26)	231 (26)	—54.8 (25)	12840	184	—60.6	9300	298	—49.2	13000	182	260	127
Helwan	4160 (29)	622 (29)	—15.2 (10)	5010	555	—	2530	744	— 2.9	11790 (25)	218 (25)	—53.6 (25)	16623	100	—71.3	9430	305	—37.7	15000	130	260	98
Aswan.. .. (A)	4874 (31)	573 (31)	—16.8 (2)	5620	523	—	3050	704	—	15803 (12)	118 (21)	—72.8 (12)	17400	89	—79.9	14350	147	—66.3	15550	120	280	170

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 1961

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	2	08	0	—	1	05	0	—	0	—	0	—	0	—	0	—	3	06	6	13	5	11	0	—	14	31	05
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	1	09	0	—	0	—	0	—	1	02	2	12	2	09	3	16	7	15	5	19	5	22	0	—	1	27	15
700	0	—	0	—	0	—	0	—	1	13	0	—	3	22	4	23	9	17	4	24	2	18	1	19	0	24	20
600	1	04	0	—	0	—	0	—	0	—	2	16	1	40	9	24	3	19	2	27	2	19	0	—	0	20	22
500	0	—	0	—	1	13	0	—	0	—	0	—	0	—	2	36	5	21	1	10	0	—	1	09	0	10	21
400	0	—	1	14	0	—	0	—	0	—	0	—	0	—	0	—	1	27	0	—	0	—	0	—	0	2	21
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

MERSA MATRUH (A) — 0000 U.T.— MAY 1961

N = the number of cases the wind has been observed from the range of direction during the month.
TN = the total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	0	—	2	7	0	—	2	9	2	8	4	13	0	—	1	18	0	—	6	9	5	19	5	11	3	30	11
1000	1	5	2	7	0	—	2	9	1	5	5	12	0	—	1	18	0	—	6	9	5	18	5	11	2	30	11
850	2	16	0	—	0	—	0	—	0	—	2	14	2	12	2	12	3	16	3	12	10	18	5	19	0	29	16
700	1	15	0	—	0	—	0	—	0	—	0	—	2	26	4	19	4	22	6	19	7	22	7	25	0	31	22
600	0	—	1	3	0	—	0	—	0	—	0	—	2	13	3	27	6	32	8	23	7	30	4	31	0	31	27
500	0	—	1	23	0	—	1	6	0	—	0	—	0	—	2	32	8	31	9	22	5	38	4	33	0	30	29
400	0	—	1	15	0	—	0	—	1	20	0	—	0	—	3	26	6	44	8	31	8	38	4	30	0	31	34
300	0	—	0	—	1	11	0	—	0	—	1	8	0	—	2	46	8	58	8	47	4	49	4	34	0	28	46
200	1	16	0	—	0	—	0	—	0	—	0	—	0	—	1	35	7	53	4	43	3	42	1	45	0	17	45
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	52	2	41	1	25	0	—	0	10	47
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	17	1	16	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. — MAY 1961.

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station...	5	11	0	—	2	10	4	12	1	16	1	4	1	6	0	—	1	8	1	12	1	16	14	18	0	31	14
1000...	5	11	0	—	2	10	4	12	1	16	1	4	1	6	0	—	0	—	1	12	1	16	15	17	0	31	14
850...	1	12	0	—	0	—	1	7	0	—	0	—	3	11	2	15	4	20	6	14	10	17	3	12	1	31	14
700...	2	8	0	—	0	—	0	—	0	—	0	—	1	12	3	21	5	18	9	18	7	24	4	22	0	31	19
600...	0	—	0	—	0	—	0	—	1	4	0	—	1	5	2	14	9	30	7	27	7	29	4	19	0	31	25
500...	0	—	1	11	0	—	0	—	0	—	1	8	0	—	2	18	8	26	7	30	9	34	2	31	1	31	27
400...	1	31	1	21	0	—	0	—	1	10	0	—	0	—	1	34	9	31	9	35	7	38	2	39	0	31	34
300...	0	—	1	21	0	—	0	—	0	—	0	—	0	—	3	41	9	49	5	36	4	38	5	34	0	27	40
200...	0	—	0	—	0	—	0	—	0	—	0	—	1	30	2	40	8	52	5	43	1	31	3	48	0	20	46
150...	0	—	0	—	0	—	0	—	0	—	0	—	1	17	2	56	6	53	3	57	2	40	2	38	0	16	48
100...	0	—	0	—	0	—	0	—	0	—	0	—	1	6	1	22	2	20	1	46	1	51	1	52	0	7	31
60...	0	—	0	—	0	—	0	—	1	5	0	—	0	—	0	—	1	10	0	—	0	—	0	—	0	2	8
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

HELWAN 0000 U.T. — MAY 1961

N =The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850...	3	25	3	18	1	15	2	10	0	—	0	—	2	04	0	—	0	—	8	18	3	11	7	15	0	29	16
700...	2	16	2	10	1	15	0	—	0	—	1	15	0	—	1	05	5	23	4	15	8	20	5	21	0	29	18
600...	0	—	1	6	1	5	0	—	0	—	0	—	1	17	1	04	6	23	6	22	6	24	7	24	0	29	21
500...	0	—	1	4	0	—	0	—	0	—	0	—	0	—	1	21	7	26	10	25	6	25	4	34	0	29	26
400...	0	—	0	—	1	9	0	—	0	—	0	—	0	—	2	35	10	35	7	30	8	30	1	51	0	29	32
300...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	20	10	54	9	43	4	33	0	—	1	26	42
200...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	58	7	50	1	49	0	—	0	16	54
150...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	55	5	56	0	—	0	—	0	8	56
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

HELWAN—1200 U.T. — MAY 1961

N=The number of cases the wind has been observed from the range of direction during the month.
TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	5	10	4	19	2	11	0	—	2	8	0	—	0	—	0	—	2	18	7	15	4	14	4	11	0	30	14
700	5	18	2	23	0	—	1	15	0	—	1	2	0	—	0	—	4	21	5	14	6	17	6	17	0	30	17
600	1	8	0	—	0	—	0	—	0	—	0	—	0	—	2	14	6	20	6	21	7	23	7	22	0	29	20
500	0	—	0	—	0	—	0	—	0	—	0	—	1	17	2	26	7	24	8	26	6	30	4	24	0	28	26
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	25	13	31	3	29	10	32	2	18	0	29	30
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	10	36	8	50	8	49	1	37	0	27	44
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	11	49	8	60	2	65	0	—	0	21	54
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	42	4	57	1	37	0	—	0	10	48
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 (A) — 0000 U.T. — MAY 1961

N= The number of cases the wind has been observed from the range of direction during the month.

TN= The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m	N	(ft) m			
Surface of station	7	12	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	8	0	—	0	—	23	31	3
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	9	12	9	17	2	12	0	—	0	—	1	12	1	3	0	—	3	5	0	—	5	14	1	13	0	31	13
700	1	19	3	24	0	—	0	—	1	4	1	3	2	18	1	4	4	15	8	17	7	13	3	7	0	31	14
600	2	10	0	—	2	16	0	—	0	—	0	—	0	—	4	14	8	19	11	22	3	19	1	10	0	31	18
500	4	11	2	8	0	—	0	—	0	—	0	—	0	—	0	—	12	28	10	28	2	22	1	9	0	31	23
400	2	10	0	—	0	—	0	—	0	—	0	—	0	—	1	20	15	37	10	39	1	10	2	28	0	31	34
300	1	32	0	—	0	—	0	—	0	—	0	—	0	—	1	52	9	50	12	53	3	26	1	29	0	27	47
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	46	7	49	8	47	0	—	2	32	0	19	46
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	42	1	63	1	116	0	—	1	30	0	5	58
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 (A) — 1200 U.T. — MAY 1961

N= The number of cases the wind has been observed from the range of direction during the month.
TN= The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station...	19	8	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	8	0	—	4	7	6	31	7
1000	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	7	8	7	9	3	16	0	—	1	9	0	—	0	—	1	10	0	—	3	6	5	13	4	12	0	31	10
700	3	9	2	16	1	17	1	9	0	—	0	—	2	4	2	12	6	14	10	16	2	14	2	14	0	31	14
600	2	6	0	—	2	10	0	—	0	—	0	—	0	—	3	14	12	21	9	22	2	8	0	—	1	31	17
500	3	8	0	—	0	—	0	—	0	—	0	—	0	—	2	14	14	24	9	30	2	23	1	6	0	31	23
400	2	10	0	—	0	—	0	—	0	—	0	—	0	—	1	20	15	37	10	39	1	10	2	28	0	31	34
300	1	32	0	—	0	—	0	—	0	—	0	—	0	—	1	52	9	51	12	53	3	26	1	29	0	27	47
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	46	7	49	8	47	0	—	2	32	0	19	46
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	42	1	63	1	116	0	—	1	30	0	5	58
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA MAY 1961

This month was characterized by five short heat waves, the last of which was the most excessive and reached its peak on the 31st when the absolute maximum air temperature for the month (44.1°C) was reported. The month was also characterized by a long period of mild weather (from the 3rd till the 10th). For the month as a whole, the daily mean air temperature was slightly above normal (+ 0.8°C), the daily mean relative humidity was slightly below normal (-4%) and the monthly rainfall was above normal (+ 1mm.).

The extreme maximum soil temperatures at depths between 0.3 cm. & 50 cms. in the dry field were higher than the corresponding values of last May ; the maximum difference was 3.2°C at 10 cms. depth. At 100 & 200 cms. depths they were slightly lower and at 300 cms. depth they were equal to the corresponding values of last May. The extreme minimum soil temperatures in the same field were lower than the corresponding values of last May, except at 300 cms. depth where they were slightly higher.

The daily mean wind speed at 2 metres above ground was slightly lower (-0.3 m/sec.) and the total actual duration of bright sunshine was lower (-10.7 hours) than the corresponding values of May 1960. The daily mean values of Piche evaporation, water pan evaporation, potential evaporation and potential evapotranspiration were lower (-0.1, - 0.17, - 1.5 & -2.0 mms. respectively) than the corresponding values of last May.

REVIEW OF AGRO - METEOROLOGICAL STATION AT TAHRIR MAY 1961

This month was characterized by two pronounced heat waves during the last week of the month, The second heat wave was the most excessive and reached its peak on the 30th when the absolute maximum air temperature for the month (47.5°C) was recorded. It is worthy of mention that on the 30th the air temperature remained above 45°C for 3 hours and above 40°C for more than 8 hours, the daytime mean air temperature reached 39.2°C, the Piche evaporation at 120 cms. above ground reached 39.6 mms., the lowest value of relative humidity (8%) and the lowest daily mean relative humidity (20%) were reported. During the rest of the month mild weather was enjoyed, with the exception of scattered days of rather hot weather.

For the month as a whole the daily mean values of air temperature, relative humidity, vapour pressure, Piche evaporation at 120 cms. above ground and wind speed at 2 metres above ground were lower (-0.5°C, - 3%, - 0.9 mm., - 1.4 mms. & - 0.3 m./sec. respectively) than the corresponding values of last May. The total (solar + sky) radiation and the total actual duration of bright sunshine were higher (+ 440 gm. cal./cm² & + 23.0 hours respectively) than the corresponding values of May 1960. The total monthly rainfall was 0.5 mm. against 5.8 mms. for last May.

Maximum soil temperatures in the dry field at depths between 5 & 50 cms. were higher than the corresponding values of last May ; the maximum difference was + 4.7°C at 10 cms. depth. At 100 cms. depth the maximum soil temperature was the same as the corresponding value of last May and at 200 cms. depth it was slightly lower (-0.4°C).

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

GIZA — MAY 1961

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	39.9	14.3	26.6	20.7	30.3	24.0	24.0	24.0	24.0	23.0	17.0	13.0	8.5	5.0	0.0	0.0
2	34.3	15.6	24.6	22.9	28.5	24.0	24.0	24.0	24.0	24.0	14.5	11.0	6.0	0.0	0.0	0.0
3	28.5	15.1	20.8	18.4	22.8	24.0	24.0	24.0	24.0	24.0	12.0	6.0	0.0	0.0	0.0	0.0
4	27.5	14.9	20.6	18.5	22.2	24.0	24.0	24.0	24.0	24.0	12.0	5.0	0.0	0.0	0.0	0.0
5	26.7	13.8	19.3	19.2	21.2	24.0	24.0	24.0	24.0	21.5	10.0	0.5	0.0	0.0	0.0	0.0
6	22.8	12.4	17.5	16.6	19.2	24.0	24.0	24.0	24.0	19.5	11.0	0.0	0.0	0.0	0.0	0.0
7	26.3	13.7	19.2	15.8	21.0	24.0	24.0	24.0	24.0	20.5	13.0	1.0	0.0	0.0	0.0	0.0
8	23.7	13.6	20.0	16.8	21.8	24.0	24.0	24.0	24.0	21.0	15.0	8.5	0.0	0.0	0.0	0.0
9	29.0	13.1	21.5	18.4	23.6	24.0	24.0	24.0	24.0	22.0	15.0	8.5	0.0	0.0	0.0	0.0
10	30.1	14.3	22.7	20.3	24.8	24.0	24.0	24.0	24.0	24.0	16.0	10.0	4.0	0.0	0.0	0.0
11	32.0	15.1	23.4	19.3	25.6	24.0	24.0	24.0	24.0	27.0	18.0	12.5	7.0	0.0	0.0	0.0
12	33.1	13.2	24.7	20.8	27.4	24.0	24.0	24.0	24.0	22.0	20.0	16.0	11.0	3.5	0.0	0.0
13	36.8	16.8	27.9	22.7	30.7	24.0	24.0	24.0	24.0	24.0	19.5	11.0	7.5	3.5	0.0	0.0
14	40.0	17.4	26.2	24.2	30.1	24.0	24.0	24.0	24.0	24.0	12.5	6.0	0.0	0.0	0.0	0.0
15	29.0	16.8	21.4	19.6	23.4	24.0	24.0	24.0	24.0	24.0	12.5	6.0	0.0	0.0	0.0	0.0
16	28.7	15.3	20.8	17.7	22.9	24.0	24.0	24.0	24.0	24.0	14.0	8.5	0.0	0.0	0.0	0.0
17	30.4	15.5	22.3	18.4	24.6	24.0	24.0	22.0	24.0	24.0	14.0	9.5	2.0	0.0	0.0	0.0
18	31.4	14.4	22.3	18.9	24.9	24.0	24.0	24.0	24.0	20.5	15.5	11.0	5.0	0.0	0.0	0.0
19	32.5	13.4	23.2	18.8	25.4	24.0	24.0	24.0	24.0	21.0	15.5	11.0	5.0	0.0	0.0	0.0
20	36.6	13.1	26.6	20.6	29.8	24.0	24.0	24.0	24.0	21.0	18.0	14.5	11.0	3.5	0.0	0.0
21	37.7	14.7	27.8	22.8	31.8	24.0	24.0	24.0	24.0	24.0	19.5	16.0	11.0	7.0	0.0	0.0
22	36.2	15.6	25.7	22.9	29.1	24.0	24.0	24.0	24.0	24.0	18.0	12.0	8.0	2.5	0.0	0.0
23	31.7	17.3	23.9	21.2	25.9	24.0	24.0	24.0	24.0	24.0	17.0	10.0	4.5	0.0	0.0	0.0
24	35.0	15.2	26.3	20.6	28.9	24.0	24.0	24.0	24.0	24.0	17.0	16.0	9.5	0.0	0.0	0.0
25	41.3	16.7	30.0	24.4	33.6	24.0	24.0	23.0	24.0	24.0	19.5	16.5	13.0	8.0	3.0	0.0
26	34.7	18.6	25.9	25.8	28.2	24.0	24.0	24.0	24.0	24.0	22.0	11.0	6.5	0.0	0.0	0.0
27	33.0	17.4	24.9	21.4	26.6	24.0	24.0	24.0	24.0	24.0	17.5	13.0	5.0	0.0	0.0	0.0
28	35.7	17.4	27.1	23.3	30.1	24.0	24.0	24.0	24.0	24.0	19.5	13.5	9.0	2.0	0.0	0.0
29	41.4	19.4	31.7	24.6	35.0	24.0	24.0	24.0	24.0	24.0	23.5	19.0	15.0	8.5	3.0	0.0
30	43.9	22.6	34.1	28.5	37.4	24.0	24.0	24.0	24.0	24.0	24	22.0	17.0	11.0	6.5	0.0
31	44.1	21.4	34.0	30.5	36.9	24.0	24.0	24.0	24.0	24.0	24	21.5	15.0	12.0	7.5	0.0
Total	—	—	—	—	—	744.0	744.0	744.0	744.0	721.0	516.5	340.0	180.5	66.5	20.0	0.0
Mean	33.5	15.7	24.6	21.1	27.2	24.0	24.0	24.0	24.0	23.3	16.7	11.0	5.8	2.1	0.6	0.0

Highest maximum at 2 metres 44.1 °C on 31st. Highest minimum at 2 metres 22.6 °C on 30th,

Lowest ,, ,, ,, 22.8 °C on 6th. Lowest ,, ,, .. 12.4 °C on 6th.

Absolute minimum temperature at 5 cms. above dry soil 8.5 °C on 6 th.

,, ,, ,, ,, ,, wet soil 9.0 °C on 20 th.

,, ,, ,, ,, ,, grass 6.8 °C on 6 th. & 20 th.

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

TAHRIR — MAY 1961

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	38.7	13.5	25.6	18.3	29.8	24.0	24.0	24.0	24.0	20.5	16.0	12.5	9.0	5.5	0.0	0.0
2	30.4	16.0	22.2	21.9	25.2	24.0	24.0	24.0	24.0	24.0	11.5	8.0	0.0	0.0	0.0	0.0
3	27.6	14.2	19.8	17.1	22.3	24.0	24.0	24.0	24.0	21.5	10.5	4.0	0.0	0.0	0.0	0.0
4	26.7	13.5	19.8	16.4	22.1	24.0	24.0	24.0	24.0	20.0	11.5	3.0	0.0	0.0	0.0	0.0
5	26.2	14.2	19.2	17.1	21.3	24.0	24.0	24.0	24.0	20.0	11.0	0.0	0.0	0.0	0.0	0.0
6	24.4	14.5	17.8	16.4	19.4	24.0	24.0	24.0	24.0	20.0	5.5	0.0	0.0	0.0	0.0	0.0
7	25.5	13.7	18.9	15.8	21.0	24.0	24.0	24.0	24.0	20.5	10.0	0.0	0.0	0.0	0.0	0.0
8	26.6	15.0	20.0	16.6	22.2	24.0	24.0	24.0	24.0	24.0	11.5	1.0	0.0	0.0	0.0	0.0
9	29.0	13.5	20.4	16.5	23.0	24.0	24.0	24.0	24.0	19.0	12.0	6.5	0.0	0.0	0.0	0.0
10	29.5	14.0	21.2	17.4	23.8	24.0	24.0	24.0	24.0	20.0	13.0	7.5	0.0	0.0	0.0	0.0
11	31.7	12.9	22.1	17.7	24.7	24.0	24.0	24.0	24.0	21.5	14.0	8.5	3.5	0.[illegible]	0.0	0.0
12	34.3	14.1	23.8	19.2	27.2	24.0	24.0	24.0	24.0	23.5	15.0	10.5	5.5	0.0	0.0	0.0
13	36.8	15.4	26.0	19.8	29.5	24.0	24.0	24.0	24.0	24.0	17.0	13.0	8.5	3.5	0.0	0.0
14	37.6	16.4	23.8	21.8	27.1	24.0	24.0	24.0	24.0	24.0	15.0	9.0	4.5	0.5	0.0	0.0
15	26.0	15.7	20.4	18.5	22.5	24.0	24.0	24.0	24.0	24.0	11.0	3.0	0.0	0.0	0.0	0.0
16	27.0	12.9	19.6	16.0	22.2	24.0	24.0	24.0	24.0	18.5	11.0	4.5	0.0	0.0	0.0	0.0
17	30.0	12.0	20.5	16.2	23.5	24.0	24.0	24.0	24.0	17.0	11.5	7.0	0.0	0.0	0.0	0.0
18	30.4	13.1	21.2	17.3	23.8	24.0	24.0	24.0	24.0	21.5	12.0	8.0	0.0	0.0	0.0	0.0
19	33.6	12.9	22.5	17.4	25.8	24.0	24.0	24.0	24.0	20.5	13.5	9.5	5.0	0.0	0.0	0.0
20	37.0	14.9	26.3	19.0	30.3	24.0	24.0	24.0	24.0	24.0	17.0	13.0	9.5	4.5	0.0	0.0
21	37.0	16.8	26.7	22.4	30.3	24.0	24.0	24.0	24.0	24.0	18.5	13.0	9.0	4.0	0.0	0.0
22	33.1	16.5	23.6	21.3	26.6	24.0	24.0	24.0	24.0	24.0	14.5	9.5	5.0	0.0	0.0	0.0
23	30.9	16.1	22.5	19.2	24.9	24.0	24.0	24.0	24.0	24.0	14.0	8.0	1.0	0.0	0.0	0.0
24	35.3	14.7	25.3	18.6	28.5	24.0	34.0	24.0	24.0	24.0	17.5	13.0	8.0	0.0	0.0	0.0
25	41.4	17.1	29.4	23.0	33.7	24.0	24.0	24.0	24.0	24.0	20.0	14.5	11.5	8.0	2.5	0.0
26	31.9	17.6	23.8	23.5	26.3	24.0	24.0	24.0	24.0	24.0	17.0	9.0	3.5	0.0	0.0	0.0
27	32.6	16.4	33.9	19.4	26.4	24.0	24.0	24.0	24.0	24.0	16.5	10.5	5.0	0.0	0.0	0.0
28	37.6	16.7	27.1	20.8	30.2	24.0	24.0	24.0	24.0	24.0	19.5	15.0	10.0	4.0	0.0	0.0
29	42.0	19.6	31.0	24.9	35.2	24.0	24.0	24.0	24.0	24.0	24.0	19.5	13.0	9.5	3.5	0.0
30	47.5	22.9	34.7	26.4	39.2	24.0	24.0	24.0	24.0	24.0	24.0	18.5	15.0	12.5	8.5	3.0
31	43.0	21.7	32.1	28.2	35.6	24.0	24.0	24.0	24.0	24.0	24.0	18.5	11.5	10.5	5.5	0.0
Total	—	—	—	—	—	744.0	744.0	744.0	744.0	692.0	459.0	277.5	138.0	62.5	20.0	3.0
Mean	32.9	15.4	23.6	19.5	26.6	24.0	24.0	24.0	24.0	22.3	14.8	9.0	4.5	2.0	0.6	0.1

Highest maximum at 2 metres 47.5 °C on 30th. Highest minimum at 2 metres 22.9 °C on 30th.

Lowest ,, ,, ,, 24.4 °C on 6th. Lowest ,, ,, ,, 12.0 °C on 17th.

Absolute minimum temperature at 5 cms. above dry soil 11.1 °C on 4th.

,, ,, ,, ,, ,, wet soil — on —

,, ,, ,, ,, ,, grass — on —

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

GIZA — MAY 1961.

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	2.1	2.2	2.1	530	9.5	13.3	71	0	5	44	13	8.8	6.4	16.8	9.10	0.0
2	2.0	0.7	4.0	634	12.2	13.4	91	0	0	49	29	10.7	11.1	16.6	11.19	0.0
3	2.7	2.4	3.2	602	10.0	13.4	75	0	0	61	36	10.1	9.1	12.6	8.71	0.0
4	2.6	2.2	3.2	544	8.4	13.4	63	0	3	62	37	10.1	9.5	12.5	9.20	0.0
5	2.3	2.0	2.7	578	9.9	13.4	74	0	3	64	32	9.5	7.6	9.3	7.24	0.5
6	2.4	1.1	4.1	398	6.1	13.4	46	0	7	70	63	10.4	10.0	7.7	3.97	2.4
7	2.4	1.4	3.8	469	8.2	13.5	61	0	7	62	40	10.2	9.5	10.7	8.09	0.0
8	1.8	1.5	2.2	382	4.8	13.5	36	0	4	64	40	10.8	9.5	8.5	5.12	0.0
9	1.8	1.5	2.2	623	11.9	13.5	88	2	7	56	32	10.1	8.4	13.4	9.25	0.0
10	2.9	2.5	3.6	671	12.5	13.6	92	0	2	60	30	10.9	9.0	14.1	10.74	0.0
11	2.3	2.3	2.3	649	12.0	13.6	88	3	7	60	30	11.3	9.4	13.1	10.15	0.0
12	1.9	1.1	3.1	635	11.2	13.6	82	0	4	42	23	9.0	8.1	22.6	12.94	0.0
13	3.0	2.6	3.7	614	11.2	13.6	82	0	0	24	17	7.4	7.5	23.6	12.43	0.0
14	2.8	1.8	4.2	594	11.6	13.6	85	0	3	58	30	13.0	12.4	19.2	13.61	0.0
15	4.2	3.5	5.2	612	10.5	13.6	77	0	4	58	34	10.0	9.5	17.1	10.46	0.0
16	3.9	3.3	4.8	649	11.1	13.7	81	0	0	60	35	10.3	9.5	15.7	10.60	0.0
17	3.9	3.4	4.6	650	11.6	13.7	85	0	7	52	27	9.3	8.1	19.6	13.19	0.0
18	3.6	3.1	4.3	671	11.8	13.7	86	0	7	52	26	9.1	8.0	17.0	11.48	0.0
19	2.6	2.1	3.2	650	11.5	13.7	84	1	6	52	23	8.9	7.6	19.9	13.39	0.0
20	2.2	1.5	3.1	592	12.2	13.8	88	0	0	27	13	6.8	5.8	24.0	12.01	0.0
21	2.2	0.9	3.9	608	12.2	13.8	88	0	0	24	12	6.7	5.6	27.8	15.66	0.0
22	2.8	2.2	3.7	603	12.1	13.8	88	0	0	44	23	10.2	9.7	20.1	14.03	0.0
23	3.7	3.8	3.7	643	11.8	13.8	86	0	8	49	32	10.0	10.2	18.8	12.38	0.0
24	2.7	2.2	3.5	610	12.6	13.8	91	0	0	32	16	7.5	6.4	23.4	13.80	0.0
25	1.4	1.1	1.9	613	12.5	13.8	91	0	0	28	11	7.6	6.0	20.3	12.49	0.0
26	2.5	1.7	3.7	661	12.1	13.9	87	0	0	51	17	9.8	6.5	19.0	14.18	0.0
27	2.5	2.2	2.9	641	11.9	13.9	86	0	6	54	30	11.1	10.2	17.3	11.17	0.0
28	1.6	1.4	1.9	582	12.2	13.9	88	0	0	37	19	9.1	7.9	18.2	11.79	0.0
29	1.4	0.6	2.6	594	12.0	13.9	86	0	0	28	13	9.3	7.3	25.0	13.11	0.0
30	2.3	1.3	3.7	587	11.4	13.9	82	0	0	27	14	9.9	8.8	29.3	15.13	0.0
31	2.2	1.5	3.2	548	11.2	14.0	80	0	0	30	10	9.5	6.6	30.1	17.04	0.0
Total ...	—	—	—	18437	340.2	423.5	2488	6	90	—	—	—	—	563.3	353.65	2.9
Mean ...	2.5	2.0	3.4	594.7	11.0	13.7	80	0.2	2.9	48	26	9.6	8.4	18.2	11.41	—

Maximum amount of rainfall in one day ... ... 2.4 mms. on 6th.
Lowest value of relative humidity ... ... 8 % on 1st and 31st.
Highest ,, ,, vapour pressure ... ... 15.1 mms. on 31st.
Lowest ,, ,, ,, ,, ... 4.1 mms. on 1st.

TABLE C2.—WIND SPEED, (SOLAR + SKY) RADIATION, DURATION OF BRIGHT SUNSHINE, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, EVAPORATION AND RAINFALL.

TAHRIR—MAY 1961

Date	Wind speed metres per second			Solar + sky radiation gm. cal./cm²	Duration of bright sunshine in hour			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	2.9	2.6	3.4	527	9.3	13.4	69	2	7	52	16	10.3	7.7	19.9	—	0.0
2	4.2	2.9	6.2	654	12.2	13.4	91	0	6	68	40	12.6	12.5	14.9	—	0.0
3	4.3	3.8	5.0	625	11.2	13.4	84	0	2	66	36	10.3	9.3	14.0	—	0.0
4	3.8	2.9	5.0	594	10.7	13.4	80	0	4	61	37	10.0	9.3	14.0	—	0.0
5	3.9	3.0	5.1	572	10.6	13.5	79	0	6	66	48	10.1	9.1	13.7	—	tr
6	5.1	3.7	7.2	463	7.7	13.5	57	0	9	74	70	11.3	11.4	9.7	—	0.5
7	5.5	4.0	7.5	513	9.4	13.5	70	0	7	66	44	10.5	10.1	13.7	—	0.0
8	3.9	3.6	4.3	53[illegible]	9.0	13.5	67	0	2	66	40	11.0	10.0	9.8	—	0.0
9	2.3	2.1	2.5	62[illegible]	11.8	13.6	87	4	8	68	34	10.9	9.0	9.7	—	0.0
10	3.5	3.1	4.1	641	12.4	13.6	91	4	8	67	35	11.4	9.7	11.7	—	0.0
11	2.7	2.8	2.7	625	12.0	13.6	88	5	8	62	26	10.8	8.2	13.4	—	0.0
12	2.9	2.3	3.9	619	12.3	13.6	90	0	5	48	20	9.3	7.3	18.0	—	0.0
13	3.7	2.9	4.8	602	11.8	13.6	87	0	4	40	19	9.3	8.0	20.0	—	0.0
14	4.8	2.6	7.9	631	11.7	13.6	86	0	7	66	45	13.9	14.0	20.2	—	0.0
15	5.4	4.1	7.1	651	12.3	13.7	90	0	3	63	39	10.5	9.7	15.0	—	0.0
16	4.1	3.1	5.6	634	11.8	13.7	86	0	4	68	42	11.2	10.8	13.8	—	0.0
17	4.1	3.2	5.5	649	11.0	13.7	80	6	8	70	26	10.3	8.0	16.6	—	0.0
18	3.9	2.7	5.6	663	11.7	13.8	85	5	8	68	24	10.3	7.5	16.6	—	0.0
19	3.4	3.1	3.8	630	12.8	13.8	93	4	6	50	19	8.5	6.7	17.7	—	0.0
20	2.8	1.9	3.9	600	12.6	13.8	91	0	0	28	10	6.2	4.4	23.9	—	0.0
21	3.2	1.9	5.0	619	12.4	13.8	90	0	0	30	15	7.4	6.6	21.0	—	0.0
22	3.8	2.7	5.4	603	10.8	13.8	78	4	7	70	33	13.1	11.8	16.9	—	0.0
23	4.1	3.8	4.6	628	12.3	13.8	89	0	7	56	27	9.9	8.5	16.5	—	0.0
24	2.7	2.1	3.5	632	12.7	13.9	91	0	3	44	22	9.7	8.5	19.9	—	0.0
25	3.3	2.3	4.7	615	12.5	13.9	90	0	0	22	12	6.9	6.7	29.5	—	0.0
26	5.1	4.8	5.7	658	12.4	13.9	89	0	4	66	25	11.9	8.6	14.1	—	0.0
27	3.4	3.3	3.5	613	11.8	13.9	85	4	7	57	27	11.2	9.7	14.6	—	0.0
28	2.5	2.4	2.6	588	12.4	13.9	89	0	0	34	18	8.9	8.0	14.0	—	0.0
29	2.3	1.3	3.7	592	12.0	14.0	86	0	0	27	13	8.7	7.4	28.4	—	0.0
30	3.5	1.9	6.1	597	11.3	14.0	81	0	0	20	8	7.9	5.8	39.6	—	0.0
31	3.2	2.8	3.8	574	12.0	14.0	86	0	0	36	13	10.7	7.5	27.7	—	0.0
Total ..	—	—	—	18773	356.9	424.5	—	38	140	—	—	—	—	548.4	—	0.5
Mean ..	3.7	2.9	4.8	605.6	11.5	13.7	84	1.2	4.5	54	28	10.2	8.8	17.7	—	—

Maximum amount of Rainfall in one day ... ... 0.5 mms. on 6th
Lowest value of Relative Humidity ... ... 8 % on 30th
Highest value of Vapour Pressure ... ... 15.9 mms. on 22nd
Lowest " " " " ... ... 4.4 " " 20th

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

GIZA — MAY 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	66.0	14.3	34.8	14.1	34.5	16.2
1	61.2	15.0	32.9	14.1	32.4	16.1
2	57.0	15.4	31.8	14.4	31.0	16.4
5	46.4	17.9	31.7	15.6	29.2	17.2
10	38.7	21.3	30.0	17.2	27.8	18.4
20	33.2	24.2	28.4	19.1	26.2	20.0
50	30 0	25.2	23.8	20.2	24.6	21.1
100	26.9	24.4	21.8	19.6	22.4	20.3
200	24.4	23.0	20.0	18.8	21.0	19.8
300	23.6	23.2	—	—	—	—

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

TAHRIR — MAY 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	58.0	14.8	—	—	—	—
1	55.8	14.8	—	—	—	
2	54.3	15.1	—		—	—
5	48.2	16.5	—	—	—	—
10	42.9	17.7	—	—	—	—
20	35.9	21.8	—	—	—	—
50	31.0	23.6	.	—	—	—
100	27.6	24.0	—	—	—	—
200	24.6	22.3	—	—	—	—
300	23.4	22.2	—	—	—	—

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

GIZA—MAY 1961

10 Knots or more ...	29 Days.		30 Knots or more ...	0 Days.	
15 „ „ ...	13	„	35 „ „ ...	0	„
20 „ „ ...	2	„	40 „ „ ...	0	„
25 „ „ ...	0	„	The highest gust 29 knots on 14 th.		

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 4 NUMBER 6

JUNE, 1961

U.D.C. 551. 506.1 (62)

MINISTRY OF MILITARY PRODUCTION — METEOROLOGICAL DEPARTMENT
CAIRO - EGYPT

CONTENTS

PAGE

General Summary of Weather Conditions 1-5

Surface Data

TABLE A 1.—Monthly mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level 6,7
" A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours 8,9
" A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity 10,11
" A 4.—Maximum and Minimum Air Temperatures 12,13
" A 5.—Rainfall and Snow Depth 14,15
" A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 16
" A 7.—Soil Temperatures at Fixed Hours 17-19
" A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena 20,21
" A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges 22,23
" A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 24-46

Upper Air Data

TABLE B 1.—Upper Air Climatological Data 47-50
" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air 51,52
" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. 53-59

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir 60
TABLE C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields 61-62
" C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall 63-64
" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields 65
" C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity 66

Note :—For explanatory notes on the tables, please refer to volume 4 number 1 (January 1961).

GENERAL SUMMARY OF WEATHER CONDITIONS

JUNE 1961

Hot summer weather remarkably excessive and characterized with temperature records during the first ten days ; Light showery in some districts and dusty in some others in the Northern Region

THE MAIN FEATURES

— A prevailing excessive heat wave during the second week with a record climax particularly in the Southern Region.

— Rather normal relative humidity in the Mediterranean coastal districts and subnormal values in general over the far inland districts.

— Light showers in Kamishly.

— Oscillatory pressure field, subnormal in general over the far inland districts and rather normal elsewhere. Four consecutive transits of Khamsi depressions through Lower & Middle Egypt districts during the first half of the month. Two successive elongations in the west arm of the Arabian Monsoon low towards the Northwest and North respectively during the second half of the month.

— Occasional rising dust and sand most days of the month over Deir Ezzor & Palmyra respectively. Frequent early morning haze in Cairo area.

GENERAL DESCRIPTION OF WEATHER

During this month in general excessively hot streams of air invaded both Regions of the Republic partially from Iraq and Arabian Gulf vicinities and partially from the Western Desert of Egypt, thus causing the prevalence of an excessive heat wave within the first half of the month and two minor heat waves in the second half.

The first heat wave attained its peak round the period (6th—9th) during which maximum temperatures were remarkably high. As an example on the 6th, maximum temperature reached 45°C (19°C above normal) at Mersa Matruh ; 44°C (16°C above normal) at Alexandria ; on the 7th it reached 48°C (13°C above normal) at Cairo ; 48°C (12°C above normal) at Minya ; 39°C (4°C above normal) at Palmyra and on the 9th it attained 49°C (8°C above normal) at Aswan & 41°C (5°C above normal) at Deir Ezzor. It is worth to mention that the last maximum temperature of Mersa Matruh, Alexandria, Cairo & Minya were records of June for these stations since observations started in the year 1920, 1901, 1909 & 1907 respectively.

After the breakdown of the prevailing heat waves, both Regions of the Republic enjoyed periods of mild weather as a result of the overruning mild and rather cold streams starting from Asia Minor & Greece. Light showers fell over scattered localities in the northern & western parts of the Northern Region.

Occasional rising dust & sand blew over El Gazira & Desert districts most days of this month while early morning haze developed frequently over Cairo.

The monthly mean values of various meteorological elements for different districts and their deviations from their corresponding normals are given in the following table.

District	Atmospheric pressure (mb.) Corrected to M.S.L.			Air temperature (°C)						Relative humidity (%)			Total rainfall (mms.)	
				Maximum (A)		Minimum (B)		(A + B) / 2						
	Derivation of the mean values (a, c)	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Derivation of the mean values (a, c)	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	a	11.2	— 0.8	29.4	+ 1.2	20.6	+ 1.1	25.0	+ 1.2	a	68	— 4	tr	0.0
Lower Egypt	c	11.1	— 0.9	35.0	+ 1.5	19.9	+ 3.5	27.4	+ 2.5	e	66	— 2	0.0	— 0.1
Cairo Area	a	10.2	— 0.1	36.6	+ 1.8	21.6	+ 2.0	29.1	+ 1.9	a	38	— 11	0.0	— 0.2
Upper Egypt	a	8.3	— 0.6	40.2	+ 2.5	23.1	+ 2.0	31.6	+ 2.2	a	26	— 8	0.0	0.0
Western Desert	a	9.5	— 1.4	41.0	+ 3.6	22.7	+ 1.5	31.8	+ 2.5	a	23	— 10	0.0	— 0.1
Red Sea	a	7.1	— 0.2	34.1	+ 1.6	24.9	+ 1.1	29.5	+ 1.4	a	46	— 8	tr	0.0

a = the 24 hours mean. c = 4 main synoptic hours mean. e = 06 and 18 U.T. hours mean.

PRESSURE DISTRIBUTION

During this month, the outstanding features of the pressure distribution over the surface map can be summarized in :

— The Monsoon trough of low pressure over the Arabian Gulf, Arabia & Sudan.

— The Monsoon low pressure system over the African Great Sahara.

— The Atlantic anticyclone approaching West Europe.

— The local high pressure cells over Western Desert of Egypt, East Mediterranean, Black Sea & Balkans.

— Deep northern troughs of low pressure traversing Urasia from West to North East.

The prevailing features of the 700 & 500 mbs. patterns were more simplified and limited in the following :

— The planetary upper wave at both 700 & 500 mb. level north latitude 50°N with two marked closed centres one over North Atlantic and the other over North Siberia separated with a minor block.

— The anticyclonic high pressure belt areas over middle latitudes.

During the first half of the month, North Africa was a cyclogenetic area where four secondary depressions originated in the southern vicinities of the Atlas Mountains and then followed their preferred eastward tracks towards the Gulf of Serte. and Cyrenica. From Cyrenica three of these secondary desert depressions continued their way directly eastward through Western Desert and traversed Middle Egypt round the 1st, 3rd & 16th, then they continued their way further east through Sinai & northern part of Red Sea. The fourth of these secondary Desert depressions followed a northeast track and reached Cyprus round the 6th.

The second half of the month was characterized with two major elongations round the 26th & 30th in the west arm of the Arabian Monsoon in the northwest direction through Asia Minor & Balkans and in the north direction through the Caspian Sea respectively.

The barometric pressure over East Mediterranean and surrounding vicinities as a consequent of the travelling secondaries and the extensions in the Arabian Monsoon oscillated below its normal most days of the month with the exception of the periods (9th — 12th) & (20th — 25th) during which high pressure operated totally over the whole area.

SURFACE WIND

The prevailing winds were light/moderate N NE ly in general apart from few days when moderate fresh E ly, SE ly, S ly & SW ly winds blew in advance of travelling cold fronts. During many nights and early mornings, the surface wind dropped calm over scattered localities particularly of the Western Desert, Cairo Area and Upper Egypt districts.

Gales were reported at Kharga on the 22nd and at Hurghada on the 12th.

TEMPERATURE

NORTHERN REGION

Maximum temperature oscillated slightly round normal in the Mediterranean coastal districts and its values during the month ranged between 26°C & 30°C. Over the inland districts it rose considerably above its normal most of the first ten days and its values ranged between 32°C & 38°C while it oscillated round normal the rest part of the month ranging its values between 31°C & 36°C. Over the far inland districts it oscillated appreciably above its normal

and its values ranged between 31°C & 41°C. The absolute maximum temperature was 45.1°C at Himmah on the 7th.

Minimum temperature oscillated appreciably round normal over the Mediterranean coastal districts the whole month and its values ranged between 16°C & 26°C. Over the inland districts it rose excessively above normal during the first few days and its values ranged between 15°C & 24°C while it oscillated appreciably round normal the rest part of the month ranging its values between 13°C & 19°C. Over the far inland districts it oscillated mostly above normal and its values ranged between 21°C & 26°C. In particular over high ground its values ranged between 13°C & 22°C mostly below normal. The absolute minimum temperature was 4.1°C at Madaya on the 12th.

SOUTHERN REGION

Maximum temperature over the Mediterranean coastal districts oscillated slightly round normal with the exception of short periods of excessive temperature within the 1st half of the month and its values ranged between 27°C & 32°C and 32°C & 45°C respectively. Over the inland districts it was excessive and abnormal most of the first ten days and its values ranged between 35°C & 46°C, while it oscillated appreciably round normal the rest of the month and its values ranged between 33°C & 40°C. Over the far inland districts of the Region it oscillated appreciably above normal and its values ranged between 33°C & 48°C. The absolute maximum temperature was 49.5°C atDakhla on the9th.

Minimum temperature oscillated to a moderate extent round normal over the Mediterranean Coastal districts the whole month and its values ranged between 17°C & 23°C. Over the inland districts it oscillated remarkably above normal and its values ranged between 19°C &25°C. Over the far inland districts it oscillated to a moderate extent round its normal and its values ranged between 23°C & 28°C. The absolute minimum temperature was 14.9°C at Dabaa on the 5th.

PRECIPITATION

This month was almost rainless as normal. Light showers fell over El Kamishly on the 1st & 5th, and 0.2 mm fell over Sallum on the 21st.

MISCELLANEOUS WEATHER PHENOMENA

Mist Patches developed at : Dekheila on the 2nd ; Alexandria on the 14th ; Port Said on the 27th ; El Arish on the 9th & 16th ; Ghazza on the 9th & 27th; Tahrir on the 5th, 18th, (20th — 23rd) & 29th ; Abu Sueir on the 17th, 26th, 27th, 29th & 30th ; Zaher on the 8th ; Inshas on the 29th ; Cairo on the 12th, 18th, 19th, 23rd, 26th, 27th, 29th & 30th ; Mostafa Helmi on the 4th, 11th, 17th, 20th & (23rd — 30th) ; Almaza on the 12th, 17th, 27th, 28th & 30th; Abbasiya on the 27th & 29th ; Giza on the 29th and at Tor on the 9th & 10th.

Fog Patches developed at : Alexandria on the 2nd ; El Arish on the 5th ; Ghazza on the 5th & 30th ; Tahrir on the 28th and at Almaza on the 29th.

Local rising sand or dust was reported at : Sallum on the 5th, 6th & 14th ; Sidi Barrani on the 5th ; Mersa Matruh on the 6th ; Dabaa on the 14th ; Tahrir on the 1st, 3rd & 9th ; Abu Sueir on the 1st, 7th & 9th ; Zaher on the 7th ; Wadi El Natrun on the 9th ; Inshas on the 21st ; Cairo on the 7th & 21st ; Mostafa Helmi on the 3rd, 7th, 9th, 24th, 27th, &28th ; Giza on the 7th ; Beni Suef on the 9th & 10th ; Minya on the 9th, 10th & 15th ; Mangabad on the 4th & 11th ; Bahariya on the 15th ; Farafra on the 9th, 10th & 11th ; Dakhla on the 5th, 6th, 10th, 11th & 23rd ; Kharga on

the 7th, 10th, 11th, 12th, & (21st — 24th); Tor on the 11th, 12th, 13th, 18th, 22nd & 23rd and at Quseir on the 1st, 2nd, 4th, (8th — 12th), 16th & 17th.

Sand or duststorms blew over : Sidi Barrani on the 6th ; Mersa Matruh on the14th ; Luxor on the 2nd ; Bahariya on the 3rd and over Dakhla on the 22nd.

Cairo, April 1967

M. F. TAHA
UNDER SECRETARY OF STATE
DIRECTOR GENERAL
METEOROLOGICAL DEPARTMENT

TABLE A 1.— MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "HP" AND TO MEAN SEA LEVEL

JUNE 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal
MEDITERRANEAN	Sallum	6.0	1011.4	—	1012.2	−0.2	1012.1	−0.1	1011.8	−0.5	5.2	1011.9	—	1012.7	−0.1	1012.6	0.0	1012.3	−0.4
	Sidi Barrani	22.8	1008.8	−0.7	1009.6	−0.4	1009.7	−0.5	1009.2	−0.5	24.0	1011.3	−0.8	1012.2	−0.4	1112.3	−0.5	1011.8	−0.5
	Mersa Matruh (A)	30.0	1008.2	−0.3	1008.8	−0.2	1008.8	−0.2	1008.6	−0.3	30.0	1011.9	−0.3	1012.5	−0.2	1012.5	−0.2	1012.3	−0.3
	Dabaa	18.0	1009.1	—	1009.8	—	1009.9	—	1009.6	—	17.8	1011.1	—	1011.8	—	1011.9	—	1011.6	—
	Dekheila (A)	6.0	1010.7	—	1011.4	−0.7	1011.4	−0.8	1011.0	—	5.9	1011.3	—	1012.0	−0.7	1012.0	−0.6	1011.6	—
	Alexandria (A)	7.0	1010.1	−0.1	1011.0	+0.2	1010.9	+0.1	1010.5	−0.1	6.8	1010.9	−0.1	1011.8	+0.2	1011.7	+0.1	1011.3	−0.1
	Baltrim	2.0	1010.9	—	1011.5	—	1011.3	—	1011.1	—	2.0	1011.1	—	1011.7	—	1011.5	—	1011.3	—
	Damietta	5.0	1008.8	—	1009.5	−1.7	1009.2	−1.6	1009.1	−1.7	5.0	1009.2	—	1009.9	−1.7	1009.6	−1.6	1009.5	−1.7
	Port Said (A)	7.4	1009.5	−0.4	1010.4	0.2	1010.2	+0.1	1009.9	−0.2	6.1	1010.2	−0.4	1011.1	0.2	1010.9	+0.1	1010.6	−0.2
	El Arish	17.1	1008.6	−0.1	1009.5	−0.7	1009.1	−0.4	1009.2	−0.4	17.1	1009.8	+0.1	1010.7	−0.7	1010.3	−0.4	1010.4	−0.4
	Ghazza	15.7	1008.6	—	1009.3	—	1008.9	—	1008.9	—	15.7	1010.4	—	1011.1	—	1010.7	—	1010.7	—
LOWER EGYPT	Mansoura	8.0	1010.0	—	1010.4	−0.7	1009.6	−0.4	1009.9	−0.9	7.1	1010.8	—	1011.1	−0.8	1010.3	−0.5	1010.7	−0.9
	Damanhour	6.7	1011.4	—	1010.9	−0.6	1010.5	−0.6	1010.7	−0.5	6.7	1012.0	—	1011.5	−0.7	1011.1	−0.7	1011.4	−0.5
	Gimmeiza	8.9	1010.2	—	1010.7	−0.3	1009.6	−0.3	1009.9	−0.5	8.9	1011.2	—	1011.7	−0.3	1010.6	−0.3	1010.9	−0.5
	Tanta	14.8	1009.0	—	1009.8	−0.7	1009.0	−0.2	1009.2	−0.7	15.4	1010.2	—	1010.9	−0.8	1010.1	−0.3	1010.4	−0.7
	Tahrir	16.0	1008.8	—	1009.3	—	1008.1	—	1008.7	—	18.6	1011.0	—	1011.4	—	1010.2	—	1010.8	—
	Shebin El-Kom	17.9	1008.4	—	1009.5	−0.8	1008.4	−0.6	1008.6	−1.2	17.9	1010.6	—	1011.7	−0.8	1010.5	−0.6	1010.8	−1.2
	Zagazig	13.0	1009.5	—	1010.1	−0.5	1008.9	−0.5	1009.8	−0.2	13.0	1011.1	—	1011.7	−0.5	1010.5	−0.5	1011.4	−0.2
	Abu Sueir (A)	16.0	1008.9	—	1009.8	—	1008.3	—	1009.2	—	16.0	1010.8	—	1011.6	—	1010.1	—	1011.0	—
	Zaher (A)	23.5	1006.1	—	1007.0	—	1005.8	—	1005.9	—	23.3	1009.7	—	1010.1	—	1009.1	—	1009.3	—
	Wadi El Natrun	0.9	1011.6	—	1012.2	+0.7	1010.6	+0.7	1011.3	+0.4	0.9	1011.7	—	1012.3	+0.7	1010.7	+0.7	1011.4	+0.4
	Inshas (A)	25.5	1006.3	—	1007.4	—	1006.0	—	1006.6	—	25.6	1009.3	—	1010.4	—	1009.0	—	1009.5	—
	Fayed (A)	35.0	1008.7	—	1009.3	—	1007.8	—	1008.7	—	35.0	1011.1	—	1011.8	—	1010.2	—	1011.1	—
	Kabrit (A)	4.9	1009.2	—	1010.4	—	1008.6	—	1009.3	—	4.8	1010.5	—	1011.7	—	1009.8	—	1010.5	—
CAIRO AREA	Cairo (A)	74.5	1002.8	−1.0	1003.8	−0.4	1002.4	−0.4	1002.8	−0.5	74.0	1010.2	−1.1	1011.1	−0.6	1009.5	−0.6	1010.0	−0.7
	Mostafa Helmi (A)	164.0	991.7	—	992.6	—	991.4	—	991.7	—	164.0	1010.6	—	1011.2	—	1009.6	—	1010.2	—
	Almaza (A)	78.5	1001.0	−0.9	1002.0	−0.5	1000.6	−0.6	1001.0	−0.4	78.6	1010.1	−0.9	1010.5	−0.6	1009.3	−0.7	1009.9	−0.5
	Abbasiya (H.Q.)	26.4	1008.1	—	1009.0	—	1007.5	—	1008.0	—	26.4	1011.2	—	1012.0	—	1010.5	—	1011.0	—
	Imbaba (A)	19.0	1008.3	—	1009.3	—	1007.5	—	1007.9	—	19.0	1010.4	—	1011.4	—	1009.6	—	1010.0	—
	Giza	22.5	1007.7	—	1008.4	−0.6	1007.1	−0.5	1007.4	−0.8	22.5	1010.5	—	1011.2	−0.6	1009.8	−0.5	1010.0	−1.0
	Helwan	115.5	—	—	998.0	−0.6	996.6	−0.4	996.6	−0.6	115.6	—	—	1011.1	−0.7	1009.2	−0.6	1009.5	−0.8

TABLE A 1 (*contd.*) - MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "H_p" AND TO MEAN SEA LEVEL.

JUNE 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal
Upper Egypt	Fayoum	23.3	1007.3	—	1008.4	0.0	1006.6	0.0	1006.8	+0.2	23.3	1010.2	—	1011.3	0.0	1009.4	0.0	1009.6	+0.2
	Beni Suef	30.0	1006.4	—	1007.3	—0.3	1005.7	—0.2	1005.7	—0.2	30.0	1009.8	—	1010.7	—0.3	1008.9	—0.3	1009.1	—0.1
	Minya ... ... (A)	40.0	1004.5	—0.8	1005.5	—0.8	1004.1	—0.7	1003.6	—0.7	40.3	1009.1	—0.9	1010.1	—0.9	1008.5	—0.7	1008.1	—0.7
	Asyout (Mangabad) ... ... (A)	69.6	1000.8	+0.2	1002.5	0.0	1000.6	+0.2	1000.3	0.0	69.5	1008.8	+0.2	1010.5	+0.1	1008.2	0.0	1008.2	—0.1
	Nag Hammadi	70.5	999.6	—	1001.2	—0.4	999.6	0.0	999.1	—0.3	70.5	1007.6	—	1009.0	—0.6	1007.0	—0.3	1007.0	—0.3
	Kena	74.2	999.0	—	1001.1	+0.8	999.3	+1.1	998.7	+0.4	74.2	1007.4	—	1009.4	+0.7	1007.4	+1.1	1006.9	+0.4
	Luxor ... ... (A)	88.5	996.8	—0.4	998.2	—0.6	996.3	—0.4	996.0	—0.6	88.4	1006.8	—0.5	1008.4	—0.3	1005.9	—0.5	1005.8	—0.7
	Kom Ombo	102.6	995.2	—	996.7	—	994.5	—	994.3	—	102.6	1006.9	—	1008.3	—	1005.7	—	1005.7	—
	Aswan ... ... (A)	193.5	984.1	—	985.7	—0.9	983.5	—1.5	983.2	—1.6	193.5	1005.9	—	1007.2	—0.9	1004.2	—1.5	1004.4	—1.5
Western Desert	Siwa	13.5	1012.6	—1.1	1013.8	—1.2	1012.3	—1.1	1011.4	—1.0	13.3	1010.9	—1.1	1012.2	—1.2	1010.7	—1.1	1009.8	—1.0
	Bahariya	129.5	995.2	—	996.4	—2.0	994.1	—2.2	993.2	—2.5	129.6	1009.9	—	1011.0	—2.1	1008.4	—2.4	1008.5	—2.7
	Farafra	91.8	1001.7	—	1002.9	+0.2	1001.4	0.0	1000.7	—0.2	92.1	1011.7	—	1012.9	+0.3	1010.8	—0.2	1010.5	—0.3
	Dakhla	111.5	995.2	—	996.3	—1.1	994.1	—1.7	994.1	—1.5	111.5	1009.0	—	1010.0	—1.1	1007.2	—2.0	1007.5	—1.9
	Kharga	72.8	998.9	—	1000.6	—1.8	998.9	—2.2	998.4	—2.6	73.0	1007.0	—	1008.6	—1.8	1006.6	—2.2	1006.3	—2.7
Red Sea	Suez	11.0	1009.6	—	1009.8	—0.4	1008.6	—0.6	1008.8	0.0	12.2	1010.8	—	1011.0	—0.4	1009.8	—0.6	1010.0	—0.0
	Tor	4.2	1006.3	—	1008.0	0.0	1006.5	—0.3	1005.9	—0.7	4.2	1006.7	—	1008.4	0.0	1006.9	—0.3	1006.3	—0.7
	Hurghada	2.8	1007.0	+1.2	1008.8	+1.2	1007.0	+0.8	1006.5	+1.0	2.8	1007.2	+1.2	1009.0	+1.2	1007.2	+0.8	1006.7	+1.0
	Quseir	11.3	1005.0	—	1006.8	—0.4	1005.9	—0.8	1005.0	—1.3	11.3	1006.0	—	1007.8	—0.4	1006.9	—0.8	1006.0	—1.3
	Abul Kizan	5.0	1005.5	—	1007.0	—	1006.3	—	1005.6	—	5.0	1006.0	—	1007.5	—	1006.8	—	1006.2	—

TABLE A 2.—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

JUNE 1961

District	Station	Dry bulb temperature (°C)								Wet 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
MEDITERRANEAN	Sallum	22.1	—	24.9	—0.2	28.2	+0.2	24.1	+0.1	18.8	—	19.8	—0.2	20.5	—0.3	20.0	+0.3	72	—	60	—1	46	—4	67	+2
	Sidi Barrani	21.1	+0.3	24.4	+0.5	26.4	+0.6	23.0	—0.1	18.9	+0.6	20.2	—0.1	21.2	+0.1	20.5	+0.3	80	+2	66	—5	61	—3	78	+2
	Mersa Matruh... (A)	20.6	+0.6	24.6	+0.4	27.3	+1.1	23.4	+0.3	18.2	+0.1	20.1	—0.2	21.0	—0.4	20.1	—0.4	78	—4	64	—5	55	—9	73	—5
	Dabaa	20.7	—	25.2	+0.8	28.4	+1.6	23.1	0.0	19.2	—	21.1	+0.4	21.9	+0.7	20.8	+0.2	86	—	68	—2	55	—4	80	+1
	Dekheila ... ... (A)	22.4	—	24.7	+0.6	27.5	+2.3	24.4	—	19.6	—	20.9	—0.6	22.2	—0.3	21.0	—	76	—	64	—15	61	—16	72	—
	Alexandria ... (A)	21.9	+0.6	26.4	+1.4	29.2	+2.0	24.3	+1.1	19.7	+0.1	21.8	+0.7	22.5	+0.5	21.1	+0.4	80	—5	65	—4	54	—7	74	—5
	Balteam	22.1	—	26.3	—	29.1	—	24.1	—	19.7	—	21.3	—	21.8	—	21.0	—	79	—	63	—	50	—	75	—
	Damietta	22.3	—	26.5	+0.7	30.6	+3.3	24.3	+0.6	20.7	—	22.2	+0.4	23.1	+1.1	21.5	+0.1	86	—	67	—2	50	—11	77	—4
	Port Said ... ... (A)	24.4	+1.0	25.9	+0.5	27.7	+0.6	25.3	+0.7	21.1	+0.4	21.7	+0.3	22.4	0.0	21.7	+0.1	73	—5	67	—2	61	—4	71	—5
	El Arish	22.1	+1.2	27.2	+0.8	28.8	+1.8	24.9	+1.0	19.7	+0.6	21.6	+0.1	22.9	+0.4	21.6	+0.4	79	—5	59	—5	58	—8	73	—5
	Ghazza	21.9	—	25.9	—	26.8	—	24.5	—	19.9	—	22.3	—	23.4	—	22.3	—	82	—	72	—	74	—	82	—
LOWER EGYPT	El Sirw	21.9	—	26.4	+0.6	29.9	+0.5	24.8	+0.8	—	—	21.8	—0.1	22.2	—1.0	21.6	+0.4	—	—	65	—5	48	—9	74	—3
	Sakha	20.9	—	25.7	+0.1	34.3	+1.9	26.9	+2.7	—	—	21.8	+0.3	26.7	+2.9	22.8	+1.8	—	—	70	+2	54	+9	63	—5
	Mansoura	22.0	—	26.8	+1.4	34.0	+1.4	26.6	+1.7	—	—	21.4	+0.5	21.6	0.0	20.7	+0.5	—	—	60	—5	29	—5	57	—6
	Damanhour	20.8	—	24.8	—1.0	32.2	+1.8	25.1	+1.3	—	—	21.4	0.0	22.9	+0.9	21.5	+1.3	—	—	73	+7	42	—3	71	0
	Gimmeiza..	21.5	—	26.8	+1.5	35.2	+2.1	26.9	+2.4	—	—	23.7	+2.1	26.5	+2.9	23.6	+2.6	—	—	7	+5	49	+7	75	+3
	Tanta...	21.4	—	26.3	+0.9	34.6	+1.5	27.0	+1.8	18.3	—	21.1	+0.2	22.4	+0.7	20.2	0.0	74	—	61	—4	31	—2	51	—10
	Tahrir	21.6	—	25.9	—	34.5	—	27.2	—	18.6	—	20.2	—	20.6	—	20.0	—	74	—	57	—	22	—	48	—
	Shebin El Kom ...	21.0	—	26.4	+1.2	34.1	+0.7	27.3	+1.0	—	—	21.6	+1.0	22.7	+1.1	20.7	+1.1	—	—	64	0	34	+3	53	0
	Zagazig	22.4	—	26.2	+0.3	34.4	+1.0	28.0	+2.0	—	—	21.1	—0.7	21.9	—0.5	20.7	0.0	—	—	61	—7	29	—6	49	—11
	Abu Sueir... ... (A)	23.0	—	26.9	—	35.4	—	27.9	—	18.9	—	20.3	—	20.7	—	19.9	—	66	—	52	—	21	—	44	—
	Zaher... ... ... (A)	23.1	—	26.7	—	35.3	—	28.8	—	18.9	—	20.5	—	21.5	—	20.2	—	65	—	55	—	25	—	42	—
	Wadi El Natrun ...	23.4	—	26.7	+1.8	36.3	+2.5	28.6	+1.6	18.6	—	20.6	0.0	20.9	—0.9	19.7	—0.9	61	—	57	—9	18	—13	40	—13
	Inshas .. ..(A)	23.2	—	26.4	—	35.5	—	28.7	—	17.8	—	19.8	—	21.8	—	19.8	—	56	—	52	—	26	—	40	—
	Fayed ... ... (A)	23.4	—	27.2	—	35.9	—	28.7	—	18.1	—	20.8	—	21.4	—	20.1	—	58	—	54	—	23		42	—
	Kabrit ... ... (A)	24.1	—	26.9	—	35.7	—	29.0	—	19.8	—	20.9	—	22.3	—	21.0	—	66	—	56	—	27		46	—
CAIRO AREA	Cairo ... ... (A)	24.2	+2.1	26.5	+2.1	35.4	+2.0	30.1	+1.6	18.8	0.0	20.1	0.0	20.6	—0.3	19.7	—0.5	57	—15	54	—12	20	8	34	—10
	Mostafa Helmi (A)	22.6	—	25.6	—	34.5	—	28.4	—	18.1	—	19.0	—	20.2	—	19.2	—	63	—	50	—	21		38	—
	Almaza ... ... (A)	23.8	+1.2	26.3	+1.9	35.6	+2.2	29.6	+0.8	17.9	—1.3	19.3	—0.8	21.1	+0.2	19.6	—0.4	53	—18	49	—17	22	6	35	—6
	Abbasiya ... (H.Q.)	24.0	—	27.1	—	36.0	—	30.0	—	19.5	—	21.2	—	22.2	—	20.8	—	63	—	57	—	26	—	40	—
	Imbaba ... ... (A)	22.4	—	26.7	—	35.7	—	29.2	—	17.8	—	20.6	—	21.8	—	20.2	—	62	—	56	—	25	—	40	—
	Giza	22.9	—	26.2	+1.5	35.4	+1.3	29.5	+1.5	18.2	—	20.3	0.0	20.6	—0.7	19.7	0.0	61	—	56	—9	20	—8	36	—7
	Helwan	—	—	27.3	+2.7	35.7	+2.1	30.3	+1.1	—	—	20.3	+1.4	20.4	+1.1	19.4	+0.7	—	—	50	—6	19	—2	32	0

TABLE A 2 (*contd.*)—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS

JUNE 1961

District	Station	Dry bulb temperature (°C)								Wet 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 UT..	
		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
UPPER EGYPT	Fayoum	24.1	—	27.6	+2.2	37.1	+2.8	30.9	+1.6	18.7	—	20.6	+0.9	21.3	+1.1	20.2	+1.0	57	—	50	— 7	19	— 3	33	— 1
	Beni Suef	23.5	—	27.3	+0.3	37.5	+1.8	30.2	+0.8	17.2	—	19.9	—0.7	21.6	+0.6	19.7	+0.1	50	—	47	— 6	19	— 3	33	— 3
	Seds	—	—	27.7	+1.7	36.3	+1.6	29.6	+1.4	—	—	21.6	+0.5	22.7	+0.6	21.1	+1.2	—	—	56	— 6	27	— 2	43	0
	Minya... ... ... (A)	24.6	+2.7	27.2	+2.0	38.2	+2.8	30.9	+3.1	17.6	+0.6	19.7	+0.2	21.2	+0.4	19.5	+0.5	47	—12	45	—12	16	— 6	30	— 9
	Mallawi	23.1	—	27.2	—	37.0	—	29.6	—	—	—	21.5	—	24.0	—	20.5	—	—	—	58	—	30	—	40	—
	Asyout(Mangabad)(A)	27.4	+2.6	28.3	+2.1	39.2	+2.9	33.0	+2.6	16.9	+0.6	18.8	+0.6	20.6	+0.6	19.4	+1.2	29	— 8	36	— 7	13	— 3	22	— 2
	Shandaweel	24.9	—	29.8	+1.3	39.1	+2.3	30.1	+1.4	—	—	22.5	+1.5	25.0	+2.2	22.0	+1.6	—	—	51	+ 3	29	+ 3	47	+ 3
	Nag Hammadi... ...	25.3	—	29.3	+1.0	40.3	+3.8	32.8	+3.2	—	—	21.5	+1.4	24.0	+2.1	22.3	+2.5	—	—	47	+ 3	22	— 1	37	+ 1
	Kena	29.0	—	31.2	+1.1	40.5	+0.5	34.5	+1.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor ... ... (A)	27.8	+1.4	32.8	+1.1	41.9	+2.5	35.1	+1.7	17.2	+1.0	20.3	+0.6	21.6	+0.1	19.9	+0.6	29	— 1	27	— 1	11	— 4	19	— 2
	Kom Ombo	27.4	—	33.2	—	42.9	—	35.0	—	16.6	—	19.4	—	21.9	—	19.2	—	28	—	22	—	10	—	16	—
	Aswan ... ... (A)	29.8	—	33.1	+2.0	42.5	+1.9	37.1	+1.1	15.7	—	17.5	—1.3	20.1	—1.9	18.0	—1.7	15	—	14	—12	6	— 9	8	— 8
WESTERN DESERT	Siwa	25.3	+1.3	26.0	+0.9	37.4	+1.6	33.1	+0.8	17.2	+0.2	18.7	+0.3	19.9	—0.2	18.9	—0.7	40	— 6	47	— 3	14	— 4	20	— 6
	Bahariya	25.3	—	27.1	+1.8	38.9	+4.0	33.4	+3.7	18.2	—	19.8	+0.6	21.5	+0.1	20.2	+0.6	47	—	47	— 7	16	—10	25	—10
	Farafra	25.8	—	28.4	+1.9	39.5	+3.6	33.2	+3.3	14.9	—	16.7	—1.1	19.6	—1.4	16.9	—1.1	25	—	25	—14	9	—12	12	—14
	Dakhla	25.3	—	29.3	+0.1	40.1	+3.5	33.9	+1.7	16.9	—	19.3	+0.2	20.9	—0.3	19.2	+0.4	38	—	34	0	10	—10	19	— 3
	Kharga	28.6	—	31.9	+2.4	42.1	+4.2	34.4	+1.8	17.1	—	19.7	—0.6	22.4	—1.3	19.5	—0.9	26	—	27	—12	13	—14	19	— 9
RED SEA	Suez	25.8	—	27.3	+1.9	35.3	+2.0	30.1	+2.3	—	—	22.2	+1.5	23.2	+0.9	22.4	+1.4	—	—	62	— 2	32	— 2	49	— 3
	Tor	26.4	—	27.2	+0.8	30.8	+0.3	29.9	+0.5	21.4	—	22.7	+0.1	23.2	—0.7	21.8	—1.1	63	—	66	— 5	50	— 5	46	— 9
	Hurghada...	26.9	+0.2	30.2	+2.8	32.6	+3.0	30.3	+0.8	18.6	—0.2	20.7	—0.8	22.4	—1.1	21.5	—0.6	41	— 3	39	—18	38	—20	43	— 7
	Quseir	28.2	—	30.8	+1.0	31.7	+0.9	30.0	+1.0	19.1	—	21.5	—0.7	23.0	—1.2	20.7	—1.3	39	—	40	— 9	45	— 11	39	— 13
	Abul Kizan	27.9	—	29.6	+0.3	30.2	+0.5	28.4	+0.4	—	—	26.0	+0.4	26.5	+0.7	25.8	+0.3	—	—	74	+ 1	73	+ 1	80	— 1

TABLE A 3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

JUNE 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)										Relative humidity %		
		Derivation of the mean values a, b, c, d	Station Pressure (corrected to Hp)		M. S. L. Pressure		Maximum (A)		Minimum (B)		(A + B)/2	Dry bulb			Wet bulb			Derivation of the mean values a, b, c, d	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Derivation of the mean values a, b, c, d	Mean	Dev. from normal	Derivation of the mean values a, b, c, d	Mean	Dev. from normal			
MEDITERRANEAN	Sallum	a	1011.9	−0.7	1012.4	−0.6	29.8	+0.1	20.6	+1.5	25.2	a	21.8	+0.8	a	19.8	+0.4	a	61	−2
	Sidi Barrani...	a	1009.3	−0.9	1011.9	−0.9	27.5	+0.6	19.8	+0.3	23.6	a	23.6	+0.5	a	20.2	+0.2	a	66	−6
	Mersa Matruh ... ... (A)	a	1008.6	−0.4	1012.3	−0.4	29.5	+2.1	19.0	+0.5	24.2	a	23.9	+0.7	a	19.7	−0.1	a	72	−2
	Dabaa	a	1009.6	—	1011.6	—	29.4	+1.4	19.5	−0.9	24.4	a	24.2	+1.0	a	20.7	+0.6	a	69	—
	Dekheila... ... ... (A)	a	1011.1	—	1011.7	—	28.8	+2.6	21.2	−0.7	25.0	a	24.8	—	a	20.9	—	a	67	−3
	Alexandria ... ... (A)	a	1010.6	−0.8	1011.4	−0.8	30.6	+2.4	20.7	−0.5	25.6	a	25.5	+1.3	a	21.2	+0.7	a	64	—
	Balteam	a	1011.2	—	1011.4	—	30.2	—	20.8	—	25.5	a	25.5	—	a	20.9	—	a	69	−6
	Damietta	a	1009.2	−1.9	1009.6	−1.9	31.5	+2.0	21.1	+1.3	26.3	a	25.7	+1.5	a	21.7	+0.6	a	63	−3
	Port Said ... ... (A)	a	1010.0	−0.4	1010.7	−0.4	28.7	+0.3	23.4	+0.9	26.0	a	25.8	+0.9	a	21.8	+0.4	a	67	−4
	El Arish	a	1009.1	−0.5	1010.2	−0.5	30.0	+1.3	20.8	+2.1	25.4	a	25.5	+1.5	a	21.3	+0.9	a	77	—
	Ghazza	a	1008.9	—	1010.7	—	28.1	−0.9	20.0	+2.3	24.0	a	24.6	—	a	21.8	—	a		
LOWER EGYPT	El Sirw...	—	—	—	—	—	31.3	+0.5	20.3	+2.1	25.8	c	25.8	+1.3	c	22.0	+1.0	e	70	−3
	Sakha	—	—	—	—	—	34.9	+1.7	19.3	+2.2	27.1	c	27.0	+2.2	c	23.1	+1.9	e	70	−1
	Mansoura	c	1010.0	−0.6	1010.7	−0.7	34.7	+0.9	20.7	+1.9	27.7	c	27.4	+2.0	c	21.7	−0.5	e	58	−6
	Damanhour	c	1010.9	−0.4	1011.5	−0.5	33.1	+1.3	19.2	+0.6	26.2	c	25.7	+1.1	c	22.1	+1.5	e	76	+5
	Gimmeiza	c	1010.1	−1.9	1011.1	−1.9	36.3	+2.1	19.2	+1.9	27.8	c	27.6	+2.6	c	24.4	+3.0	e	75	+5
	Tanta	a	1009.2	−0.7	1010.4	−0.8	35.9	+2.0	19.5	+2.8	27.9	a	27.2	+2.0	a	20.4	0.0	a	51	−12
	Tahrir	a	1008.7	—	1010.9	—	35.9	+1.9	20.0	+1.2	28.0	a	27.2	—	a	19.7	—	a	45	—
	Shebin El Kom	c	1008.7	1.0	1010.9	−1.1	35.4	−0.8	19.2	+0.5	27.3	c	27.2	+1.3	c	21.5	+1.1	e	58	−1
	Zagazig	c	1009.6	0.4	1011.2	−0.4	35.1	+0.8	20.6	+2.4	27.8	c	27.8	+1.9	c	21.5	+0.3	e	55	−9
	Abu Sueir ... ... (A)	a	1009.0	—	1010.8	—	37.1	—	21.3	—	29.2	a	28.3	—	a	19.9	—	a	43	—
	Zaher ... ... (A)	a	1006.2	—	1009.5	—	36.6	—	21.4	—	29.0	a	28.6	—	a	20.1	—	a	43	—
	Wadi El Natrun..	a	1011.4	+0.6	1011.5	+0.6	37.5	+2.5	20.4	+1.5	29.0	a	28.7	+2.5	a	19.7	−1.2	a	40	−20
	Inshas .. .. (A)	a	1006.5	—	1009.5	—	36.1	—	21.3	—	28.7	a	28.5	—	a	19.7	—	a	40	—
	Fayed .. .. (A)	a	1008.5	—	1011.0	—	37.3	—	21.4	—	29.4	a	28.8	—	a	19.9	—	a	40	—
	Kabrit .. .. (A)	a	1009.3	—	1010.6	—	36.9	—	22.0	—	29.4	a	28.9	—	a	20.9	—	a	46	—
CAIRO AREA	Cairo .. .. (A)	a	1003.0	−0.6	1010.2	−0.8	36.5	+1.8	22.0	+2.0	29.2	a	29.1	+2.1	a	19.7	−0.2	a	37	−11
	Mostafa Helmi ... ... (A)	a	991.8	—	1010.4	—	35.6	—	20.5	—	28.0	a	27.8	—	a	19.1	—	a	40	—
	Almaza .. .. (A)	a	1001.2	+0.2	1010.1	+0.2	36.5	+1.7	21.8	+1.5	29.2	a	28.9	+1.5	a	19.4	−0.6	a	37	−10
	Abbasiya (H.Q.)	a	1008.1	—	1011.2	—	36.5	—	21.9	—	29.2	a	29.4	—	a	21.0	—	a	44	—
	Imbaba .. .. (A)	a	1008.2	—	1010.3	—	36.7	—	20.3	—	28.5	a	28.4	—	a	20.0	—	a	43	—
	Giza	a	1007.7	−0.6	1010.4	−0.6	37.0	+2.1	20.6	+2.7	28.8	a	28.4	+2.2	a	19.7	−0.3	a	41	−13
	Helwan	d	997.1	−0.1	1010.0	−0.6	36.6	+1.7	22.1	+1.8	29.4	c	28.8	+2.0	c	20.0	+1.0	e	41	−3

a = the 24 hours mean. b = 8 synoptic hours mean. c = 4 main synoptic hours mean.

d = 06,12 & 18 U.T. hours mean. e = 06 & 18 U.T. hours mean.

TABLE A 3 (*contd.*)—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

JUNE 1961

District	Station	Atmospheric pressure (mb.): Derivation of the mean values a,b,c,d	Station Pressure (corrected to Hp): Mean	Station Pressure: Dev. from normal	M. S. L. Pressure: Mean	M. S. L. Pressure: Dev. from normal	Air temperature (°C): Maximum (A): Mean	Maximum (A): Dev. from normal	Minimum (B): Mean	Minimum (B): Dev. from normal	(A + B)/2	Dry bulb: Deriv. of the mean values a,b,c,d	Dry bulb: Mean	Dry bulb: Dev. from normal	Wet bulb: Deriv. of the mean values a,b,c,d	Wet bulb: Mean	Wet bulb: Dev. from normal	Relative humidity %: Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal
Upper Egypt	Fayoum	a	1007.3	+0.1	1010.1	0.0	38.4	+2.7	21.9	+2.3	30.2	a	30.0	+2.8	a	20.1	+1.4	a	36	— 4
	Beni Suef	a	1006.3	−0.2	1009.6	−0.3	38.3	+2.6	20.8	+2.2	29.7	a	29.6	+2.0	a	19.5	—0.3	a	34	—10
	Feda	—	—	—	—	—	38.0	+2.0	—	—	—	—	—	—	—	—	—	e	50	— 3
	Minya ... ... (A)	a	1004.4	−0.9	1009.0	−0.9	39.0	+2.7	21.1	+2.3	30.0	a	30.2	+2.7	a	19.4	+0.3	a	32	— 9
	Mallawi	—	—	—	—	—	38.0	—	19.8	—	28.9	c	29.2	—	c	21.7	—	c	49	—
	Asyout (Mangabad) ... ... (A)	a	1001.1	−0.3	1008.9	−0.4	40.3	+2.9	24.0	+2.6	32.2	a	32.2	+2.7	a	18.9	+0.7	a	22	— 6
	Shandaweel...	—	—	—	—	—	39.7	+2.2	21.5	+1.5	30.6	c	31.0	+2.2	c	23.2	+2.4	c	49	+ 3
	Nag Hammadi	c	999.9	−0.3	1007.6	−0.6	41.2	+3.8	22.5	+2.4	31.7	c	31.9	+2.3	c	22.6	+2.9	c	42	+ 2
	Kena...	c	999.5	+0.6	1007.8	+0.5	41.4	+0.3	25.0	+1.6	33.2	c	33.8	+2.0	—	—	—	—	—	—
	Luxor ... ... (A)	a	996.9	−0.4	1006.8	−0.4	43.2	+2.6	24.1	+1.5	33.6	a	34.2	+1.7	a	19.6	+0.4	a	20	— 3
	Kom Ombo	a	995.2	—	1006.6	—	43.6	—	23.2	—	33.4	a	34.4	—	a	19.1	—	a	17	—
	Aswan ... ... (A)	a	984.2	−1.3	1005.5	−1.4	43.6	+1.8	25.4	—0.2	34.5	a	35.4	+2.4	a	17.8	—2.0	a	10	—14
Western Desert	Siwa	a	1012.6	−1.8	1010.9	—1.9	39.1	+2.2	21.7	+1.3	30.4	a	30.4	+2.0	a	18.6	+0.7	a	27	— 4
	Bahariya	a	995.1	—2.1	1009.5	−2.4	39.7	+3.4	22.0	+2.7	30.8	a	31.3	+4.0	a	19.8	+0.4	a	30	—14
	Farafra...	a	1001.7	+0.3	1011.5	+0.2	41.1	+4.1	21.9	+2.2	31.5	a	31.5	+3.5	a	17.5	+0.3	a	16	—12
	Dakhla	a	995.0	−1.3	1008.4	—0.5	41.9	+4.1	23.2	+0.1	32.6	a	32.2	+2.1	a	18.9	+0.1	a	22	— 7
	Kharga	a	999.1	−2.4	1007.2	—2.3	43.1	+4.4	24.8	+1.3	34.0	a	34.0	+3.1	a	19.5	—0.5	a	20	—12
Red Sea	Suez	c	1009.2	−0.2	1010.4	−0.2	37.1	+2.2	22.0	+1.2	29.6	c	29.6	+2.6	c	23.2	+1.9	e	56	— 2
	Tor	a	1006.7	−0.4	1007.1	—0.4	34.4	+1.0	24.5	+1.3	29.4	a	28.5	+1.1	a	22.2	—0.2	a	56	— 7
	Hurghada	a	1007.3	+0.9	1007.5	+0.9	34.6	+3.4	24.6	+1.1	29.6	a	29.8	+1.4	a	20.7	+0.1	a	40	— 6
	Quseir	a	1005.7	−1.0	1006.7	—1.0	33.3	+0.8	26.5	+1.0	29.9	a	30.1	+1.3	a	21.1	—0.5	a	41	—10
	Abul Kisan...	c	1006.1	—	1006.6	—	31.2	+0.4	27.1	+1.0	29.2	c	29.0	+0.7	c	25.9	+0.6	e	77	0

a = the 24 hours mean. b=8 synoptic hours mean. c=4 main synoptic hours mean. d=06,12 & 18 U.T. hours mean. e=06 & 18 U.T. hours mean.

TABLE A 4.—MAXIMUM AND MINIMUM AIR TEMPERATURES

JUNE 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
MEDITERRANEAN	Sallum	46.5	6	24.9	21	28	12	5	1	1	24.1	6	18.1	11	0	0	0	0
	Sidi Barrani	46.2	6	24.1	10-11	24	4	2	1	1	22.3	5	15.5	2	0	0	0	0
	Mersa Matruh (A)	45.4	6	25.8	10-13	30	5	4	2	1	21.6	6	16.3	4	0	0	0	0
	Dabaa	46.8	6	25.3	11	30	4	4	3	1	22.1	21	14.9	5	0	0	0	0
	Dekheila (A)	42.8	6	26.2	11-12-13	30	4	3	1	0	23.3	29	17.3	2-14	0	0	0	0
	Alexandria (A)	43.6	6	26.8	11	30	9	4	1	0	23.4	30	16.8	14	0	0	0	0
	Balteam	35.8	6-7	27.1	11-13	30	14	2	0	0	23.3	21	17.4	5	0	0	0	0
	Damietta	38.0	7	27.0	13	30	21	2	0	0	23.7	21	18.1	14	0	0	0	0
	Port Said (A)	39.8	7	26.3	11	30	5	1	0	0	24.6	*	21.7	20	0	0	0	0
	El Arish	45.0	7	27.2	4	30	6	2	1	0	23.5	7	17.7	5	0	0	0	0
	Ghazza	39.0	7	26.0	12	30	3	1	0	0	25.0	7	17.5	5	0	0	0	0
LOWER EGYPT	El Sirw	41.5	7	28.0	11	30	20	2	1	0	24.0	15	17.3	14	0	0	0	0
	Sakha	43.9	6	30.5	11	30	30	8	3	0	22.9	21	16.4	12	0	0	0	0
	Mansoura	42.8	7	30.5	13	30	30	11	2	0	24.0	7-21	18.0	14	0	0	0	0
	Damanhour	42.4	6	29.9	10-11-18	30	27	7	1	0	22.5	7	16.9	12	0	0	0	0
	Gemmeiza	44.5	7	32.0	11	30	30	17	3	0	23.0	7	16.0	13	0	0	0	0
	Tanta	43.4	6	32.4	13-24	30	30	15	3	0	23.3	7	16.6	5	0	0	0	0
	Tahrir	44.0	6	32.0	11-18	30	30	15	3	0	23.2	7	16.7	5	0	0	0	0
	Shebin El Kom	42.0	6	31.5	18	30	30	13	3	0	22.2	7	16.5	13	0	0	0	0
	Zagazig	44.9	7	31.2	18	30	30	10	2	0	24.7	7	17.7	12	0	0	0	0
	Abu Sueir (A)	47.8	7	32.7	19-24	30	30	20	6	1	23.6	21	18.2	5	0	0	0	0
	Zaher (A)	47.6	7	32.8	11-18	30	30	19	6	1	25.4	7	18.6	5	0	0	0	0
	Wadi El Natrun	46.0	6	32.2	18	30	30	23	7	1	24.7	7	17.6	14	0	0	0	0
	Inshas (A)	48.0	7	31.3	19	30	30	14	4	1	25.8	7	18.5	5	0	0	0	0
	Fayed (A)	49.0	7	32.4	19	30	30	21	8	1	25.2	21	17.4	5	0	0	0	0
	Kabrit (A)	47.3	7	32.5	19	30	30	18	8	1	25.9	7	17.8	13	0	0	0	0
CAIRO AREA	Cairo (A)	46.4	7	31.7	19	30	30	16	5	1	28.0	7	18.7	12	0	0	0	0
	Mostafa Helmi (A)	45.5	7	31.0	11	30	30	13	3	1	26.1	6	17.6	2	0	0	0	0
	Almaza (A)	46.1	7	32.6	24	30	30	18	5	1	27.2	15	18.0	5	0	0	0	0
	Abbasiya (H.Q.)	47.9	7	33.7	11-12	30	30	22	7	2	29.0	21	19.0	12	0	0	0	0
	Imbaba (A)	47.2	7	32.4	19	30	30	17	5	1	24.1	15	17.3	13	0	0	0	0
	Giza	48.0	7	33.0	11-19-24	30	30	19	4	2	23.9	15	17.2	13	0	0	0	0
	Helwan	46.7	7	31.3	19	30	30	17	5	1	30.8	21	17.2	10	0	0	0	0

TABLE A 4 (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES

JUNE 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
Upper Egypt	Fayoum	47.5	7	33.6	19	30	30	24	9	2	25.3	7	19.3	12	0	0	0	0
	Beni Suef	48.3	7	33.4	19	30	30	26	9	3	23.6	1	17.3	5	0	0	0	0
	Seds	47.0	7	32.3	19	30	30	23	7	3	—	—	—	—	—	—	—	—
	Minya ... ... (A)	47.5	7	33.3	19	30	30	25	9	4	24.3	16	17.5	5·13·14	0	0	0	0
	Mallawi	46.5	7·8	32.0	19	30	30	20	8	3	23.6	6	15.8	5	0	0	0	0
	Asyout (Mangabad) ... ... (A)	47.4	6·8	33.2	19	30	30	27	16	4	29.5	7	20.9	25	0	0	0	0
	Shandaweel	46.5	8	32.5	25	30	30	25	14	4	25.0	22	18.5	13	0	0	0	0
	Nag Hammadi...	47.0	8·9	34.0	26	30	30	27	18	6	25.0	9·10·16	18.0	13	0	0	0	0
	Kena	46.3	8	34.9	26	30	30	29	18	4	29.7	24	22.0	18·19	0	0	0	0
	Luxor ... ... (A)	48.5	10	37.0	19	30	30	30	22	11	27.3	11	21.5	19·20	0	0	0	0
	Kom Ombo	48.4	10	37.4	19	30	30	30	24	10	28.6	2	19.6	27	0	0	0	0
	Aswan ... ... (A)	49.3	9	37.2	19	30	30	30	23	12	28.9	2	21.6	20·21	0	0	0	0
Western Desert	Siwa	46.9	6	33.9	27	30	30	27	11	1	26.8	15	18.3	12	0	0	0	0
	Bahariya	47.8	7	34.0	18	30	30	27	12	5	27.1	1	17.2	12	0	0	0	0
	Farafra	47.6	8	35.0	26	30	30	29	16	6	27.0	7	17.3	12	0	0	0	0
	Dakhla	49.5	9	35.0	19	30	30	29	19	8	31.2	22	18.0	27	0	0	0	0
	Kharga	50.3	9	36.0	19	30	30	30	21	11	31.0	22	19.0	27	0	0	0	0
Red Sea	Suez	43.9	6	31.4	12	30	30	24	7	0	26.2	15·21	17.7	13	0	0	0	0
	Tor	40.4	22	29.7	12	30	29	12	2	0	26.4	16	21.8	6	0	0	0	0
	Hurghada	40.8	7	30.8	19	30	30	10	1	0	28.2	22	21.7	6	0	0	0	0
	Quseir	41.0	16	30.1	19	30	30	6	1	0	29.9	7	24.5	26	0	0	0	0
	Abul Kizan	34.7	16	29.7	18	30	26	0	0	0	28.0	23	26.4	20·26	0	0	0	0

* = More than three days.

TABLE A 5.—RAINFALL AND SNOW DEPTH.

JUNE 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	< 0.1	≥ 0.1	≥ 1.0	≥ 5.0	≥ 10	≥ 25	≥ 50		
MEDITERRANEAN	Sallum	0.2	+ 0.1	0.2	21	0	1	0	0	0	0	0	0.0	—
	Sidi Barrani	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mersa Matruh ... ... (A)	tr.	— 0.2	tr	14	1	0	0	0	0	0	0	0.0	—
	Dabaa	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dekheila ... ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Alexandria ... ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Baltream	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Damietta...	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Port Said ... ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	El Arish	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Ghazza	0.8	+ 0.8	0.8	17	0	1	0	0	0	0	0	0.0	—
	Ras El Hikma	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Fuka	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Hammam	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Borg El Arab	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Amria	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mex	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolombat El Tabia	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kom El Tarfaia	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Rosetta L.H.	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Borollos L.H.	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Damietta L.H.	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
LOWER EGYPT	El Sirw	0.0	— 0.2	0.0	—	0	0	0	0	0	0	0	0.0	—
	Sakha	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mansoura...	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Damanhour	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Gimmeiza	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tanta	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tahrir	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Shebin El Kom	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Zagazig	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abu Sueir ... ... (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Banha	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Zaher ... ... (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Wadi El Natrun	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Inshas .. .. (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Fayed ... ... (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kabrit ... ... (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Delta Barrage	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolombat El Boseili	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Dawar	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Sheikh	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Zayat	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Faqus	0.0	— 1.0	0.0	—	0	0	0	0	0	0	0	0.0	—
CAIRO AREA	Cairo ... ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mostafa Helmi ... .. (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Almaza ... ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abbasiya (H.Q.)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Imbaba ... ... (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Giza	0.0	— 0.6	0.0	—	0	0	0	0	0	0	0	0.0	—
	Helwan	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—

TABLE A 5 (*contd.*)—RAINFALL AND SNOW DEPTH

JUNE 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	<0.1	≥0.1	≥1.0	≥5.0	≥10	≥25	≥50		
UPPER EGYPT	Fayoum	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Beni Suef	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Seds	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Minya ... ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Malawi	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Assiut (Manqabad) ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Sohag	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Nag Hammadi	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kena	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Luxor ... ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kom Ombo	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Aswan ... ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
WESTERN DESERT	Siwa	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Bahariya	0.0	—0.4	0.0	—	0	0	0	0	0	0	0	0.0	—
	Farafra	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dakhla	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kharga	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
RED SEA	Suez	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tor	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Hurghada	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Quseir	tr	+ tr.	tr.	16	1	0	0	0	0	0	0	0.0	—
	Abu Kizan	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—

TABLE A 6.—BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT AND BLACK BULB TEMPERATURES AND GRASS MINIMUM

JUNE 1961

District	Station	Duration of bright sunshine (hours)			Mean sky cover (oktas)								Mean daily evaporation Piche (millimetre)	Mean maximum temp. °(C) of		Mean grass minimum (°C)
		Total actual	Total Possible	Percentage %	0000 U.T.		0600 U.T.		1200 U.T.		1800 U.T.			Black bulb thermometer	Bright bulb thermometer	
					Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal				
MEDITERRANEAN	Salum	—	—	—	0.3	—	1.4	—	1.4	—	0.8	—	9.1	—	—	19.8
	Sidi Barrani	—	—	—	—	—	1.8	—	1.5	—	1.5	—	6.3	—	—	—
	Mersa Matruh (A)	327.0	425.4	76.9	1.0	—	2.5	—	1.5	—	2.1	—	7.9	—	—	—
	Dabaa	—	—	—	—	—	1.7	—	1.2	—	2.0	—	3.1	—	—	—
	Dekheila (A)	—	—	—	1.2	—	1.6	—	1.0	—	1.4	—	5.7	—	—	—
	Alexandria (A)	353.1	424.1	83.3	1.7	—	2.4	—	1.5	—	2.1	—	5.0	—	—	—
	Balteam	—	—	—	—	—	1.6	—	1.1	—	1.6	—	5.0	—	—	—
	Damietta	—	—	—	—	—	1.5	—	0.5	—	0.1	—	4.3	—	—	—
	Port Said (A)	320.9	424.1	75.7	0.3	—	1.2	—	0.2	—	0.3	—	5.5	—	—	—
	El Arish	—	—	—	1.6	—	2.0	—	0.4	—	0.7	—	5.0	—	—	—
	Ghazza	351.5	425.4	82.6	1.0	—	1.6	—	0.4	—	0.8	—	4.7	—	—	—
LOWER EGYPT	El Sirw	—	—	—	—	—	1.2	—	0.9	—	0.0	—	5.1	—	—	—
	Sakha	—	—	—	—	—	1.8	—	1.2	—	0.3	—	6.8	—	—	18.6
	Mansoura	—	—	—	—	—	1.4	—	1.0	—	0.0	—	6.3	—	—	—
	Damanhour	—	—	—	—	—	1.5	—	1.5	—	0.7	—	5.4	—	—	—
	Gimmeiza	353.7	422.4	83.7	—	—	0.3	—	0.7	—	0.0	—	8.6	—	—	—
	Tanta	354.3	422.4	83.9	—	—	1.2	—	0.7	—	0.4	—	9.6	68	47	—
	Tahrir	364.8	422.4	86.4	—	—	1.5	—	1.1	—	0.5	—	12.1	—	—	18.8
	Shebin El Kom	—	—	—	—	—	1.2	—	0.4	—	0.0	—	5.5	—	—	—
	Zagazig	351.8	422.4	83.3	—	—	3.0	—	4.1	—	0.2	—	7.0	—	—	—
	Abu Sueir (A)	—	—	—	0.1	—	1.5	—	0.9	—	0.2	—	15.2	75	—	19.8
	Zaher (A)	—	—	—	—	—	1.8	—	0.7	—	0.3	—	13.5	—	—	—
	Wadi El Natrun	—	—	—	—	—	1.2	—	1.1	—	0.4	—	9.8	—	—	—
	Inshas (A)	—	—	—	—	—	2.1	—	0.8	—	0.2	—	13.4	—	—	—
	Fayed (A)	—	—	—	—	—	1.9	—	0.8	—	0.3	—	17.5	—	—	—
	Kabrit (A)	—	—	—	—	—	1.3	—	0.5	—	0.3	—	16.6	—	—	—
CAIRO AREA	Cairo (A)	—	—	—	0.6	—	2.7	—	1.0	—	0.7	—	18.6	—	—	—
	Mostafa Helmi (A)	—	—	—	0.3	—	1.9	—	1.0	—	0.4	—	15.5	—	—	—
	Almaza (A)	344.0	421.4	81.6	0.4	—	2.1	—	0.7	—	0.3	—	12.6	—	—	—
	Abbasiya (H Q)	358.5	421.4	85.1	0.2	—	2.3	—	0.7	—	0.2	—	9.7	75	51	—
	Imbaba (A)	—	—	—	—	—	2.2	—	0.9	—	—	—	11.9	—	—	—
	Giza	353.5	421.4	83.9	—	—	2.1	—	0.9	—	0.2	—	12.5	—	—	16.4
	Helwan	356.3	421.8	84.5	—	—	0.9	—	0.4	—	0.5	—	17.2	—	—	—
UPPER EGYPT	Fayoum	—	—	—	—	—	0.8	—	0.3	—	0.4	—	12.5	—	—	—
	Beni Suef	—	—	—	—	—	1.0	—	0.2	—	0.2	—	9.4	—	—	18.3
	Seds	—	—	—	—	—	0.3	—	0.0	—	0.0	—	8.5	—	—	10.1
	Minya (A)	—	—	—	0.0	—	0.3	—	0.0	—	0.2	—	17.0	73	49	19.4
	Mallawi	—	—	—	—	—	0.7	—	0.2	—	0.2	—	8.1	—	—	18.3
	Asyout (Mangabad) (A)	—	—	—	0.0	—	0.1	—	0.1	—	0.1	—	20.8	79	55	22.3
	Shandaweel	(257.7	339.1	76.0)	—	—	0.0	—	0.0	—	0.0	—	8.9	—	—	14.6
	Nag Hammadi	—	—	—	—	—	0.0	—	0.0	—	0.0	—	12.9	—	—	22.1
	Kena	—	—	—	—	—	0.0	—	0.1	—	0.0	—	12.8	—	—	21.6
	Luxor (A)	—	—	—	0.0	—	0.1	—	0.1	—	0.1	—	15.5	75	55	20.9
	Kom Ombo	—	—	—	—	—	0.1	—	0.3	—	0.2	—	17.9	—	—	12.6
	Aswan (A)	—	—	—	0.0	—	0.3	—	0.4	—	0.3	—	24.4	—	—	—
WESTERN DESERT	Siwa	—	—	—	0.2	—	0.7	—	0.8	—	1.1	—	18.8	82	54	18.3
	Bahariya	—	—	—	0.4	—	0.4	—	0.6	—	0.8	—	13.4	—	—	—
	Farafra	—	—	—	0.0	—	0.0	—	0.1	—	0.1	—	25.0	—	—	—
	Dakhla	—	—	—	0.4	—	0.3	—	0.5	—	0.7	—	25.4	—	57	18.5
	Kharga	—	—	—	0.1	—	0.1	—	0.2	—	0.1	—	17.7	—	—	21.2
RED SEA	Suez	—	—	—	—	—	0.7	—	0.4	—	0.2	—	12.9	—	—	—
	Tor	—	—	—	0.3	—	0.3	—	0.7	—	0.3	—	11.2	—	—	—
	Hurghada	—	—	—	0.2	—	0.2	—	0.3	—	0.2	—	21.6	—	—	—
	Quseir	—	—	—	0.4	—	0.3	—	0.4	—	0.4	—	18.8	—	—	—
	Abul Kizan	—	—	—	—	—	0.0	—	0.0	—	0.7	—	3.1	—	—	—

Note : Actual number of sunshine records was 24 days only at Shandaweel.

TABLE A 7. —SOIL TEMPERATURES (°C) AT FIXED HOURS

JUNE 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
MEDITERRANEAN	Mersa Matruh (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	28.0	28.8	29	27.0	6	27.8	28.5	*	26.5	4	27.6	28.6	6	26.4	4	28.0	28.9	22	27.1	3
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	29.9	30.8	28	29.2	1·5·15	29.9	30.7	28	29.3	2·6·12	29.8	30.5	27·30	29.0	2	29.8	30.6	27·30	29.2	4·14
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LOWER EGYPT	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	25.7	28.3	5,6·7	25.0	*	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	26.4	28.3	5·6·7	26.0	*	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza ...	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	35.5	39.0	21	33.0	4	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	29.2	30.5	28,29,30	27.0	1	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	28.0	29.5	7	26.7	13	35.8	38.2	7	34.2	19	33.0	34.5	6	31.6	18
		10	—	—	—	—	—	29.9	31.0	28·29	29.1	13	33.3	34.5	8·29	32.3	19	33.3	34.5	30	32.4	18
		20	—	—	—	—	—	29.8	30.8	28	29.2	3	30.0	31.0	28	29.3	14	30.6	31.8	27·29	30.0	2
		50	—	—	—	—	—	30.5	31.5	29·30	29.7	1·2	30.4	31.4	29·30	29.6	1	30.4	31.4	28	29.5	1·2·3
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS
JUNE 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
LOWER EGYPT (*contd.*)	Tahrir	5	—	—	—	—	—	28.3	31.4	7	26.5	14	45.3	49.1	3	42.0	10	34.2	38.4	6	31.9	10·11
		10	—	—	—	—	—	27.9	30.3	5	26.0	14	39.5	42.4	7	37.1	11	36.1	39.2	6	33.6	10
		20	—	—	—	—	—	30.2	31.8	7	28.8	12	32.8	34.6	7	31.3	12	34.8	36.4	6	33.2	11,12,13
		50	—	—	—	—	—	31.4	32.1	29	30.6	14	30.9	31.6	29·30	30.1	14	31.2	32.0	29	30.4	14
		100	—	—	—	—	—	29.2	30.0	30	27.9	1	—	—	—	—	—	29.3	30.1	30	28.0	1
		200	—	—	—	—	—	26.2	27.2	29·30	24.7	1	—	—	—	—	—	26.2	27.2	29·30	24.7	1
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	31.4	33.5	28	29.0	2	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	27.8	29.0	30	26.5	1	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	24.5	27.0	30	23.0	1·2	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CAIRO AREA	Giza	5	—	—	—	—	—	30.5	32.5	1	28.4	12	41.6	49.9	7	41.4	11	36.9	39.7	6	34.6	9
		10	—	—	—	—	—	30.6	32.0	22	28.9	13	36.8	38.0	21	34.8	11	36.7	38.8	7	35.0	11
		20	—	—	—	—	—	32.1	33.0	22·29	31.1	13·14	32.4	33.1	*	31.3	13	34.3	34.7	7	32.4	13
		50	—	—	—	—	—	31.6	32.5	30	30.4	1	31.4	32.4	29·30	30.4	1	31.4	32.4	30	30.4	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
UPPER EGYPT	Seds	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	25.7	27.3	21	22.8	4	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A) ...	5	31.9	35.0	8	29.2	20	29.0	31.0	1	27.0	5·8	39.4	46.3	21	34.2	11	36.1	39.5	8	33.0	11·12
		10	33.3	36.7	8	31.4	12	31.5	33.9	9	29.7	13	35.6	40.0	15	33.0	11	35.9	39.0	8	32.8	25
		20	32.4	34.5	8	30.7	17	31.8	33.0	8	30.0	13	32.4	37.7	15	31.0	5	33.2	35.9	8	31.8	20
		50	32.1	33.3	8	31.0	6	32.0	32.9	30	31.0	5·6	31.9	32.5	8	30.7	5	32.1	33.0	7	31.0	5
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS

JUNE 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
Upper Egypt (*contd.*)	Mallawi.. ..	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	27.6	28.5	29,30	26.2	1,2	27,7	28.5	29,30	26.2	1	27,7	28,5	29,30	26.2	1
		100	—	—	—	—	—	25.7	26.7	28,29,30	24,2	1,2	25.8	26.7	28,29,30	24.2	1	25.8	26.7	28,29,30	24.2	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel ..	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	32.0	33.5	10	29.0	13	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	28.8	32.8	13	27.8	1	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo ...	5	—	—	—	—	—	40.1	46.2	29	31.5	25	48.8	55.0	30	36.4	4	35.8	40.0	11	30.0	24
		10	—	—	—	—	—	36.7	43.4	18	30.0	25	45.8	51.5	9	36.5	2	36.4	39.8	11	33.0	19
		20	—	—	—	—	—	34.4	36.2	2	32.2	27	40.4	43.8	15	35.2	4	35.0	38.4	11	32.5	19
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than three days

TABLE A 8.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

JUNE 1961

District	Station	Precipitation				Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres.	Dust rising Sand rising vis. 1000 metres ≥	Duststorm Sandstorm vis. < 1000 metres.	Drifting snow		Blowing snow		Gales	Clear sky	Cloudy sky
		Rain	Snow	Ice pellets	Hail									Slight moderate vis. below eye level ≥ 1000 metres.	Heavy vis. below eye level < 1000 metres (snow storm)	Slight moderate vis. below eye level ≥ 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)			
MEDITERRANEAN	Sallum	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	24	0
	Sidi Barrani	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	—	—
	Mersa Matruh (A)	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	17	0
	Dabaa	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Dekheila (A)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	23	0
	Alexandria (A)	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	16	0
	Balteam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Damietta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Port Said (A)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	30	0
	El Arish	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	24	0
	Ghazza	1	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	26	0
LOWER EGYPT	El Sirw	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Damanhour	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	0	0	0	0	0	0	7	1	0	0	3	0	0	0	0	0	0	—	—
	Shebin El Kom	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Zagazig	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	0	0	0	0	0	0	5	0	2	0	3	0	0	0	0	0	0	28	0
	Zaher (A)	0	0	0	0	0	0	1	0	3	0	1	0	0	0	0	0	0	—	—
	Wadi El Natrun	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Inshas (A)	0	0	0	0	0	0	1	0	4	0	1	0	0	0	0	0	0	—	—
	Fayed (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Kabrit (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
CAIRO AREA	Cairo (A)	0	0	0	0	0	0	8	0	14	0	2	0	0	0	0	0	0	26	0
	Mostafa Helmi (A)	0	0	0	0	0	0	12	0	7	0	6	0	0	0	0	0	0	27	0
	Almaza (A)	0	0	0	0	0	0	5	1	18	0	0	0	0	0	0	0	0	28	0
	Abbasiya (H.Q.)	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	26	0
	Imbaba (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Giza	0	0	0	0	0	0	1	0	3	0	1	0	0	0	0	0	0	—	—
	Helwan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 8 (contd.)—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

JUNE 1961

District	Station	Precipitation				Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis < 1000 metres.	Dust rising sand rising vis. ≥ 1000 metres	Dust storm/Sandstorm vis. < 1000 metres.	Drifting snow		Blowing snow		Gales	Clear sky	Cloudy sky
		Rain	Snow	Ice pellets	Hail									Light moderate vis. below eye level ≥ 1000 metres.	Heavy vis. below eye level < 1000 metres (snow storm)	Slight moderate vis. below eye level ≥ 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)			
Upper Egypt	Fayoum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Beni Suef	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	—	—
	Seds	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya ... ... (A)	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	30	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Assyut (Mangabad) ... ... (A)	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	30	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor ... ... (A)	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	30	0
	Kom Ombo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Aswan ... ... (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
Western Desert	Siwa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0
	Bahariya	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	30	0
	Farafra	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	28	0
	Kharga	0	0	0	0	0	0	0	0	1	0	8	0	0	0	0	0	1	30	0
Red Sea	Suez...	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor	0	0	0	0	0	0	2	0	3	0	6	0	0	0	0	0	0	29	0
	Hurghada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	29	0
	Queir	0	0	0	0	0	0	0	0	10	0	10	0	0	0	0	0	0	28	0
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

JUNE 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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	2	0	1–10	82	47	26	12	10	10	7	19	16	28	93	144	494
					11–27	9	8	7	2	2	8	9	2	2	0	83	86	218
					28–47	0	0	0	0	0	0	2	2	0	0	0	0	4
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**91**	**55**	**33**	**14**	**12**	**18**	**18**	**23**	**18**	**28**	**176**	**230**	**716**
	Mersa Matruh ... (A)	11	0	15	1–10	69	33	23	9	21	11	8	7	6	75	54	56	372
					11–27	53	30	4	2	2	8	8	5	5	0	74	130	321
					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	**122**	**63**	**27**	**11**	**23**	**19**	**16**	**12**	**11**	**76**	**128**	**186**	**694**
	Dekheila ... ... (A)	7	9	0	1–10	236	76	50	25	26	8	14	12	9	19	26	86	587
					11–27	59	22	27	0	2	0	0	0	0	5	5	6	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	0
					All speeds	**295**	**98**	**77**	**25**	**28**	**8**	**14**	**12**	**9**	**24**	**31**	**92**	**713**
	Alexandria ... ... (A)	12	0	0	1–10	107	60	25	9	29	33	5	8	3	14	63	163	519
					11–27	31	50	9	0	0	0	0	0	0	0	33	66	189
					28–47	0	0	0	0	0	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**	**110**	**34**	**9**	**29**	**33**	**5**	**8**	**3**	**14**	**96**	**229**	**708**
	Port Said ... ... (A)	1	0	0	1–10	112	68	34	9	24	13	7	2	20	26	33	61	409
					11–27	136	43	30	25	8	1	0	0	0	4	19	44	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	**248**	**111**	**64**	**34**	**32**	**14**	**7**	**2**	**20**	**30**	**52**	**105**	**719**
	El Arish	42	0	0	1–10	88	95	38	20	21	60	42	37	40	18	86	127	672
					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	**88**	**95**	**38**	**20**	**21**	**60**	**42**	**37**	**40**	**18**	**87**	**132**	**678**
LOWER EGYPT	Tanta	16	0	30	1–10	43	29	33	51	8	2	5	36	89	108	109	147	660
					11–27	0	0	0	0	0	0	0	0	0	4	1	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	**43**	**29**	**33**	**51**	**8**	**2**	**5**	**36**	**89**	**112**	**110**	**156**	**674**
	Abu Sueir ... ... (A)	65	11	0	1–10	79	62	35	25	28	14	3	8	19	31	74	79	457
					11–27	55	74	23	1	1	0	0	0	0	1	14	18	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	**134**	**136**	**58**	**26**	**29**	**14**	**3**	**8**	**19**	**32**	**88**	**97**	**644**
	Zaher ... ... (A)	1	6	0	1–10	156	93	16	31	16	16	2	12	26	48	91	127	634
					11–27	31	13	5	4	2	5	1	0	4	0	8	8	79
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**187**	**106**	**21**	**35**	**18**	**19**	**3**	**12**	**30**	**48**	**99**	**135**	**713**

TABLE A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

JUNE 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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
CAIRO AREA	Cairo ... ... (A)	63	2	15	1-10	51	53	26	7	12	0	2	0	0	2	64	135	352
					11-27	53	59	41	7	29	1	7	1	0	2	17	71	288
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**104**	**112**	**67**	**14**	**41**	**1**	**9**	**1**	**0**	**4**	**81**	**206**	**640**
	Mostafa Helmi ... (A)	0	6	17	1-10	56	44	19	14	29	14	17	3	6	9	26	83	320
					11-27	102	156	30	14	5	1	2	5	1	8	11	41	376
					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	**158**	**200**	**49**	**28**	**34**	**15**	**19**	**8**	**7**	**18**	**37**	**124**	**697**
	Almaza ... ... (A) ...	3	0	0	1-10	89	152	156	12	24	12	9	8	3	9	61	76	611
					11-27	2	36	38	5	8	7	0	1	0	0	7	2	106
					28-47	0	0	0	0	0	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**	**188**	**194**	**17**	**32**	**19**	**9**	**9**	**3**	**9**	**68**	**78**	**717**
	Abbasiya (H.Q)	47	1	0	1-10	209	147	32	15	3	5	9	9	8	21	75	139	672
					11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**209**	**147**	**32**	**15**	**3**	**5**	**9**	**9**	**8**	**21**	**75**	**139**	**672**
	Giza	50	13	4	1-10	222	105	22	8	3	14	11	5	4	6	42	149	591
					11-27	36	13	0	0	0	0	0	0	0	0	5	8	62
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**258**	**118**	**22**	**8**	**3**	**14**	**11**	**5**	**4**	**6**	**47**	**157**	**653**
UPPER EGYPT	Minya ... ... (A) ...	20	0	2	1-10	173	113	10	2	6	19	20	4	9	13	9	56	434
					11-27	58	181	5	3	0	0	0	0	0	0	2	15	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	**231**	**294**	**15**	**5**	**6**	**19**	**20**	**4**	**9**	**13**	**11**	**71**	**698**
	Luxor ... ... (A) ..	84	1	8	1-10	111	81	33	16	14	14	15	22	29	38	46	142	561
					11-27	5	15	18	2	0	0	0	0	1	1	2	22	66
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**116**	**96**	**51**	**18**	**14**	**14**	**15**	**22**	**30**	**39**	**48**	**164**	**627**
WESTERN DESERT	Siwa	29	14	0	1-10	64	99	96	57	36	28	7	6	5	14	30	42	484
					11-27	23	59	43	7	1	9	9	7	6	3	8	18	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	**87**	**158**	**139**	**64**	**37**	**37**	**16**	**13**	**11**	**17**	**38**	**60**	**677**
	Dakhla	3	3	450	1-10	31	19	17	5	4	5	6	7	9	22	29	33	187
					11-27	15	40	5	0	0	0	0	0	0	0	1	16	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	**46**	**59**	**22**	**5**	**4**	**5**	**6**	**7**	**9**	**22**	**30**	**49**	**264**
RED SEA	Hurghada	16	0	0	1-10	18	26	14	10	14	22	5	4	9	10	42	35	209
					11-27	186	33	1	2	1	2	2	1	0	0	46	192	466
					28-47	17	0	0	0	0	0	0	0	0	0	0	12	29
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**221**	**59**	**15**	**12**	**15**	**24**	**7**	**5**	**9**	**10**	**88**	**239**	**704**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SALLUM — JUNE 1961

Hour (U.T.)	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	1	1	5	9
				11-27	2	2	0	0	0	0	1	0	0	0	1	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	4	2	0	0	0	0	1	0	0	1	2	12	22
0300	10	0	0	1-10	0	2	0	0	0	0	0	0	0	0	0	8	10
				11-27	1	0	0	0	0	0	1	2	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	1	2	0	0	0	0	1	2	0	0	1	13	20
0600	5	0	0	1-10	2	2	1	1	0	1	0	0	0	1	0	10	18
				11-27	1	1	0	0	0	0	0	2	1	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	1	1	0	1	0	2	1	1	0	12	25
0900	3	0	0	1-10	1	0	2	3	0	0	0	0	0	0	0	1	7
				11-27	4	8	5	0	0	0	0	0	0	2	0	0	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	5	8	7	3	0	0	0	1	0	2	0	1	27
1200	0	0	0	1-10	1	1	1	2	1	0	0	0	0	0	0	0	6
				11-27	8	11	2	1	0	0	0	0	0	0	0	1	23
				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	9	12	3	3	1	0	0	1	0	0	0	1	30
1500	0	0	0	1-10	4	4	2	3	1	0	0	0	0	0	0	0	14
				11-27	9	5	0	0	0	0	0	0	0	0	0	1	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	13	9	2	3	1	0	0	0	0	0	0	2	30
1800	4	0	0	1-10	13	2	1	2	0	0	0	0	0	0	0	3	21
				11-27	3	1	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	16	3	1	2	0	0	0	0	0	0	0	4	26
2100	8	0	0	1-10	7	2	0	1	0	0	0	0	0	1	1	6	18
				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	8	2	0	1	0	0	0	0	0	1	1	9	22

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MERSA MATRUH (A) — JUNE 1961

Hour (U.T.)	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	3	1	0	1	2	0	1	0	1	8	4	5	26
				11-27	0	0	0	0	0	1	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	3	1	0	1	2	1	1	0	1	8	6	6	30
0300	0	0	0	1-10	3	2	0	0	1	1	1	1	2	8	4	2	25
				11-27	0	0	0	0	0	1	0	0	0	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	3	2	0	0	1	2	1	1	2	9	6	3	30
0600	0	0	0	1-10	3	1	0	0	0	1	1	0	1	0	4	5	16
				11-27	1	1	0	0	0	2	0	0	0	0	9	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	4	2	0	0	0	3	1	0	1	0	13	6	30
0900	0	0	0	1-10	3	2	0	0	0	0	1	0	0	0	1	2	9
				11-27	2	2	1	0	0	0	2	0	1	0	4	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	5	4	1	0	0	0	3	0	1	0	5	11	30
1200	0	0	0	1-10	3	0	0	0	0	0	0	0	0	0	0	0	3
				11-27	7	3	0	1	0	0	0	1	0	0	2	13	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	3	0	1	0	0	0	1	0	0	2	13	30
1500	0	0	0	1-10	0	3	1	0	1	0	0	0	0	0	0	2	7
				11-27	7	3	0	0	0	0	0	0	1	0	1	11	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	6	1	0	1	0	0	0	1	0	1	13	30
1800	2	0	0	1-10	6	2	0	0	4	0	0	0	0	0	4	2	18
				11-27	2	0	0	0	0	0	0	0	0	0	5	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	8	2	0	0	4	0	0	0	0	0	9	5	28
2100	3	0	0	1-10	5	1	0	0	2	1	1	0	0	2	6	3	21
				11-27	0	0	0	0	0	0	0	0	0	0	3	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	5	1	0	0	2	1	1	0	0	2	9	6	27

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DEKHEILA (A) — JUNE 1961

Hour (U.T.)	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	14	1	3	1	2	1	0	1	0	2	1	3	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	14	1	4	1	2	1	0	1	0	2	1	3	30
0300	0	0	0	1-10	11	2	2	2	1	0	3	1	1	0	2	4	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	11	2	2	2	1	0	3	1	1	0	2	5	30
0600	0	0	0	1-10	10	4	3	0	2	0	1	1	1	0	4	3	29
				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	10	4	3	0	2	0	1	1	1	1	4	3	30
0900	0	0	0	1-10	10	1	1	1	1	1	1	0	0	0	1	7	24
				11-27	2	1	1	0	0	0	0	0	0	0	2	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	12	2	2	1	1	1	1	0	0	0	3	7	30
1200	0	0	0	1-10	7	3	0	0	0	0	1	0	0	0	0	3	14
				11-27	10	1	3	0	0	0	0	0	0	0	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	17	4	3	0	0	0	1	0	0	0	1	4	30
1500	0	0	0	1-10	11	3	0	0	0	1	0	0	0	0	0	2	17
				11-27	5	4	2	1	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	16	7	2	1	0	1	0	0	0	0	1	2	30
1800	0	0	0	1-10	11	6	2	2	0	0	0	0	0	1	1	0	23
				11-27	1	4	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	12	10	3	2	0	0	0	0	0	1	1	1	30
2100	2	0	0	1-10	9	4	3	6	1	0	0	0	0	1	0	3	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	10	4	3	6	1	0	0	0	0	1	0	3	28

TABLE A 10.— NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALEXANDRIA (A) — JUNE 1961

Hour (U.T.)	Wind speed in knots	Calm	Variable	Not observed	Number of cases of occurrences of wind blowing from the ranges of directions indicated												
					345 / 014	015 / 044	045 / 074	075 / 103	105 / 134	125 / 164	165 / 194	195 / 224	225 / 254	255 / 4	285 / 314	315 / 344	All direction
0000	1-10				9	4	0	0	1	2	1	0	0	1	4	5	27
	11-27				0	0	0	0	0	0	0	0	0	0	0	1	1
	28-47	2	0	0	0	0	0	0	0	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	1	2	1	0	0	1	4	6	28
0300	1-10				7	3	0	1	1	2	0	0	1	0	2	7	24
	11-27				0	0	1	0	0	0	0	0	0	0	0	2	3
	28-47	3	0	0	0	0	0	0	0	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	1	2	0	0	1	0	2	9	27
0600	1-10				7	2	1	1	1	1	1	0	2	1	2	7	26
	11-27				0	1	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	0	0	0
	≥ 48				0	0	0	0	0	0	0	0	0	0	0	0	0
	All speeds				7	3	1	1	1	1	1	0	2	1	4	8	30
0900	1-10				3	0	0	0	2	2	0	1	0	0	2	8	18
	11-27				4	1	1	0	0	0	0	0	0	0	3	3	12
	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
	All speeds				7	1	1	0	2	2	0	1	0	0	5	11	30
1200	1-10				3	0	0	0	0	2	0	0	0	0	2	3	0
	11-27				7	4	0	0	0	0	0	0	0	0	2	7	1
	28-47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
	≥ 48				0	0	0	0	0	0	0	0	0	0	0	0	0
	All speeds				10	4	0	0	0	2	0	0	0	0	4	10	30
1500	1-10				5	0	1	0	1	0	0	0	0	0	1	2	10
	11-27				6	5	0	0	0	0	0	0	0	0	1	8	20
	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
	All speeds				11	5	1	0	1	0	0	0	0	0	2	10	30
1800	1-10				7	5	1	0	1	0	0	0	0	1	0	8	23
	11-27				0	3	1	0	0	0	0	0	0	0	0	3	7
	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
	All speeds				7	8	2	0	1	0	0	0	0	1	0	11	30
2100	1-10				4	6	2	1	3	0	0	0	0	2	4	6	28
	11-27				0	0	0	0	0	0	0	0	0	0	0	0	0
	28-47	2	0	0	0	0	0	0	0	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	1	3	0	0	0	0	2	4	6	28

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

PORT SAID (A) — JUNE 1961

Hour (U.T.)	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	3	0	1	1	0	0	1	2	2	4	21
				11-27	2	0	0	1	2	0	0	0	0	0	3	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	1	3	1	3	1	0	0	1	2	5	4	29
0300	1	0	0	1-10	5	0	0	1	3	0	1	1	1	2	5	2	21
				11-27	3	3	0	2	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	8	3	0	3	3	0	1	1	1	2	5	2	29
0600	0	0	0	1-10	3	3	0	1	0	1	2	0	3	2	3	4	22
				11-27	1	2	2	0	0	1	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	4	5	2	1	0	2	2	0	3	4	3	4	30
0900	0	0	0	1-10	8	2	0	0	1	0	0	0	0	1	1	5	18
				11-27	4	1	1	4	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	12	3	1	4	1	0	0	0	0	1	1	7	30
1200	0	0	0	1-10	6	3	1	0	0	0	0	0	0	0	0	1	11
				11-27	13	3	3	0	0	0	0	0	0	0	0	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	19	6	4	0	0	0	0	0	0	0	0	1	30
1500	0	0	0	1-10	0	2	1	0	0	0	0	0	0	0	0	1	4
				11-27	16	4	3	0	0	0	0	0	0	0	0	3	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	16	6	4	0	0	0	0	0	0	0	0	4	30
1800	0	0	0	1-10	7	5	2	1	0	0	0	0	0	0	0	1	16
				11-27	7	1	1	1	0	0	0	0	0	0	1	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	14	6	3	2	0	0	0	0	0	0	1	4	30
2100	0	0	0	1-10	7	2	4	0	2	0	0	0	0	1	0	2	18
				11-27	3	1	0	3	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 speed	10	3	4	3	2	0	0	0	0	1	2	5	30

TALBE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

EL ARISH — JUNE 1961

Hour (U.T.)	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	1	2	3	1	2	2	1	4	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	1	1	0	1	2	3	1	2	2	1	4	0	18
0300	10	0	0	1-10	1	0	0	1	1	4	4	5	2	0	1	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	1	0	0	1	1	4	4	5	2	0	1	1	20
0600	4	0	0	1-10	3	1	2	1	2	1	3	2	4	4	2	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	3	1	2	1	2	1	3	2	4	4	2	1	26
0900	0	0	0	1-10	5	5	1	0	1	0	0	2	0	0	11	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	5	5	1	0	1	0	0	2	0	0	11	5	30
1200	0	0	0	1-10	4	6	0	0	0	0	0	0	0	0	5	11	26
				11-27	1	0	0	0	0	0	0	0	0	0	1	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	6	0	0	0	0	0	0	0	0	6	13	30
1500	0	0	0	1-10	9	5	3	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	9	5	3	0	0	0	0	0	0	0	3	10	30
1800	5	0	0	1-10	8	5	3	2	1	0	0	0	0	0	3	3	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	5	3	2	1	0	0	0	0	0	3	3	25
2100	17	0	0	1-10	3	2	0	1	2	0	0	0	0	2	3	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	2	0	1	2	0	0	0	0	2	3	0	13

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS,

GHAZZA — JUNE 1961

Hour (U.T.)	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	0	0	4	4	13	1	1	1	2	0	0	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	2	0	0	4	4	13	1	1	1	3	0	0	29
0300	1	0	0	1-10	1	0	0	1	5	22	0	0	0	0	0	0	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	1	0	0	1	5	22	0	0	0	0	0	0	29
0600	1	0	0	1-10	3	2	0	1	0	1	1	0	10	7	1	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	3	2	0	1	0	1	1	0	10	7	1	3	29
0900	0	0	0	1-10	6	0	0	0	0	0	0	0	4	8	4	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	0	0	0	0	0	0	0	4	8	4	8	30
1200	0	0	0	1-10	7	1	0	0	0	0	0	0	0	3	5	10	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	7	1	0	0	0	0	0	0	0	3	6	13	30
1500	0	0	0	1-10	11	1	0	0	0	0	0	0	0	1	1	12	26
				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	15	1	0	0	0	0	0	0	0	1	1	12	30
1800	0	0	0	1-10	13	6	1	3	0	0	0	0	0	2	1	2	28
				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	15	6	1	3	0	0	0	0	0	2	1	2	30
2100	0	0	0	1-10	3	0	4	7	8	2	1	0	0	3	1	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	3	0	4	7	8	2	1	0	0	3	1	1	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ABU SUEIR (A) — JUNE 1961

Hour(U.T.)	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	2	2	1	0	1	0	0	0	1	1	1	2	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	2	2	1	0	1	0	0	0	1	1	1	2	11
0300	17	0	0	1-10	1	1	0	0	0	1	0	0	2	3	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	1	1	0	0	0	1	0	0	2	3	3	2	13
0600	3	0	0	1-10	1	2	1	2	1	1	1	1	0	2	8	3	23
				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	2	3	3	2	1	1	1	1	0	2	8	3	27
0900	3	0	0	1-10	2	4	0	1	1	1	0	1	1	0	2	5	18
				11-27	1	3	1	0	1	0	0	0	0	0	3	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	7	1	1	2	1	0	1	1	0	5	5	27
1200	0	0	0	1-10	4	2	0	1	1	0	0	0	0	2	3	4	17
				11-27	4	6	0	0	0	0	0	0	0	0	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	8	8	0	1	1	0	0	0	0	2	4	6	30
1500	1	0	0	1-10	2	0	0	0	0	0	0	0	0	0	0	2	4
				11-27	8	10	1	0	0	0	0	0	0	0	1	5	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	10	10	1	0	0	0	0	0	0	0	1	7	29
1800	0	0	0	1-10	5	4	0	1	0	0	0	0	0	0	0	0	10
				11-27	3	10	5	0	0	0	0	0	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	8	14	5	1	0	0	0	0	0	0	1	1	30
2100	12	0	0	1-10	5	5	3	2	0	0	0	0	0	0	2	0	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	6	5	3	2	0	0	0	0	0	0	2	0	18

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

CAIRO (A) — JUNE 1961

Hour (U.T.)	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	6	5	1	2	0	1	0	0	0	0	2	1	18
				11-27	0	1	0	1	4	1	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	6	6	1	3	4	2	0	0	0	0	2	1	25
0300	9	0	0	1-10	3	6	1	0	2	1	0	0	0	2	2	1	18
				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	6	1	0	3	2	1	0	0	2	2	1	21
0600	2	0	0	1-10	3	2	0	1	0	2	0	0	0	1	7	3	19
				11-27	0	5	2	0	2	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	3	7	2	1	2	2	0	0	0	1	7	8	28
0900	0	0	0	1-10	2	4	0	0	1	0	0	0	1	2	5	6	21
				11-27	2	5	0	1	0	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	4	9	0	1	1	0	0	0	1	2	6	6	30
1200	0	0	0	1-10	2	1	0	0	0	0	0	0	0	3	2	6	14
				11-27	5	5	0	0	0	0	0	0	0	1	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	7	6	0	0	0	0	0	0	0	4	5	8	30
1500	0	0	0	1-10	2	0	1	0	0	0	0	0	0	1	5	4	13
				11-27	9	2	1	0	0	0	0	0	0	0	1	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	11	2	2	0	0	0	0	0	0	1	6	8	30
1800	0	0	0	1-10	6	1	1	0	0	0	0	0	0	0	1	1	10
				11-27	5	9	3	0	0	0	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	11	10	4	0	0	0	0	0	0	0	1	4	30
2100	1	0	0	1-10	5	7	5	1	0	0	0	0	0	0	2	2	22
				11-27	0	2	0	3	1	0	1	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	9	5	4	1	0	1	0	0	0	2	2	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MOSTAFA HELMI (A) — JUNE 1961

Hour (U.T.)	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	8	4	2	3	2	1	0	0	0	1	0	5	26
				11-27	2	1	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	5	2	3	2	1	0	1	0	1	0	5	30
0300	0	0	0	1-10	7	3	0	0	3	2	2	0	1	0	5	1	24
				11-27	1	2	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	8	5	1	0	3	2	2	1	1	0	5	2	30
0600	0	0	0	1-10	5	0	0	1	1	2	1	0	0	0	1	6	17
				11-27	1	6	1	1	0	0	1	0	0	0	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	6	6	1	2	1	2	2	0	0	0	2	8	30
0900	2	0	0	1-10	2	2	1	0	1	1	0	0	0	1	3	6	17
				11-27	2	4	2	0	1	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	4	6	3	0	2	1	0	0	0	1	5	6	28
1200	0	0	0	1-10	0	2	1	1	0	0	0	0	0	0	4	6	14
				11-27	2	7	3	0	0	0	0	0	0	1	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	2	9	4	1	0	0	0	0	0	1	4	9	30
1500	0	0	0	1-10	3	0	0	1	0	0	0	0	0	0	0	2	6
				11-27	6	9	2	1	0	0	0	0	0	0	1	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	9	9	2	2	0	0	0	0	0	0	1	7	30
1800	0	0	0	1-10	0	1	1	0	1	0	0	0	0	0	0	0	3
				11-27	13	8	3	1	0	0	0	0	0	0	2	0	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	9	4	1	1	0	0	0	0	0	2	0	30
2100	0	0	0	1-10	3	4	0	1	0	1	0	0	0	1	0	0	10
				11-27	7	6	2	2	1	0	0	0	0	0	0	2	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	10	10	2	3	1	1	0	0	0	1	0	2	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALMAZA (A) — JUNE 1961

Hour (U.T.)	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	8	5	1	4	0	1	0	0	0	0	4	28
				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	5	8	5	1	4	1	1	0	0	0	0	4	29
0300	1	0	0	1-10	4	13	1	1	2	1	0	1	0	2	1	1	27
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	13	1	1	3	2	0	1	0	2	1	1	29
0600	1	0	0	1-10	3	9	6	1	1	0	0	0	0	2	2	3	27
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	10	6	1	1	1	0	0	0	2	2	3	29
0900	0	0	0	1-10	5	5	2	0	0	0	0	0	0	5	3	2	22
				11-27	1	4	2	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	6	9	4	0	1	0	0	0	0	5	3	2	30
1200	0	0	0	1-10	2	9	1	0	0	0	0	0	0	1	6	7	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	3	10	2	0	0	0	0	0	0	1	7	7	30
1500	0	0	0	1-10	4	7	1	0	0	0	0	0	0	0	3	6	21
				11-27	1	6	1	0	0	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	5	13	2	0	0	0	0	0	0	0	4	6	30
1800	0	0	0	1-10	5	9	3	0	1	0	0	0	0	0	0	4	22
				11-27	0	5	3	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	5	14	6	0	1	0	0	0	0	0	0	4	30
2100	0	0	0	1-10	5	9	8	0	1	1	0	0	0	0	0	1	25
				11-27	0	0	2	0	3	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	5	9	10	0	4	1	0	0	0	0	0	1	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

GIZA — JUNE 1961

Hour (U.T.)	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	3	2	0	0	1	0	0	1	0	1	9	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	0	0	1	0	0	1	0	1	9	25
0300	9	0	0	1–10	6	2	0	0	1	2	0	0	0	0	2	7	20
				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	2	0	0	1	2	0	0	0	0	2	7	21
0600	2	0	0	1–10	9	4	0	0	0	2	1	1	0	0	3	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	9	4	0	0	0	2	1	1	0	0	3	8	28
0900	0	0	0	1–10	10	6	0	0	1	1	0	0	1	1	3	4	27
				11–27	1	2	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	8	0	0	1	1	0	0	1	1	3	4	30
1200	0	0	0	1–10	7	6	2	0	0	0	0	0	1	1	2	7	26
				11–27	1	1	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	8	7	2	0	0	0	0	0	1	1	3	8	30
1500	0	0	0	1–10	14	3	1	0	0	0	0	0	0	0	0	4	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	19	3	1	0	0	0	0	0	0	0	1	6	30
1800	2	0	0	1–10	8	6	1	1	0	0	0	0	0	0	0	9	25
				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	10	7	1	1	0	0	0	0	0	0	0	9	28
2100	1	0	0	1–10	8	7	2	1	1	1	0	0	8	0	0	0	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	7	2	1	1	1	0	0	8	0	0	0	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MINYA (A) – JUNE 1961

Hour (U.T.)	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	13	3	2	0	0	1	0	0	1	0	0	1	21
				11—27	3	4	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	16	7	2	0	0	1	0	0	1	0	0	1	28
0300	3	0	0	1—10	15	1	0	0	0	0	1	0	0	0	0	4	21
				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	19	3	0	0	0	0	1	0	0	0	0	4	27
0600	0	0	0	1—10	9	5	0	0	0	0	2	1	0	1	0	3	21
				11—27	3	5	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	10	0	0	0	0	2	1	0	1	0	4	30
0900	2	0	0	1—10	9	2	0	0	0	1	1	1	3	0	0	2	19
				11—27	2	6	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	8	0	0	0	1	1	1	3	0	0	3	28
1200	1	0	0	1—10	1	5	2	0	0	0	0	0	1	1	0	4	14
				11—27	5	8	0	0	0	0	0	0	0	0	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	13	2	0	0	0	0	0	1	1	0	6	29
1500	3	0	0	1—10	2	9	0	0	1	0	0	0	0	0	0	1	13
				11—27	3	7	1	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	5	16	1	0	1	0	0	0	0	0	1	3	27
1800	4	0	0	1—10	7	8	1	0	0	1	0	0	0	0	0	0	17
				11—27	1	8	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	8	16	1	0	0	1	0	0	0	0	0	0	26
2100	1	0	0	1—10	11	3	1	0	0	1	0	0	0	1	0	4	21
				11—27	4	4	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	15	7	1	0	0	1	0	0	0	1	0	4	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASYOUT (A)—JUNE 1961

Hour (U.T.)	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	2	3	1	1	6	2	5	21
				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	1	0	0	0	0	2	3	1	1	8	2	5	23
0300	10	0	0	1–10	0	0	0	0	0	2	0	0	2	10	2	3	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	0	0	0	0	0	2	0	0	2	11	2	3	20
0600	5	0	0	1–10	0	0	0	0	0	0	0	0	1	5	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	0	0	0	0	0	0	0	0	1	5	15	4	25
0900	9	0	0	1–10	2	0	1	0	0	0	0	1	0	0	5	5	14
				11–27	1	0	0	0	0	0	0	0	0	0	2	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	1	0	0	0	0	1	0	0	7	9	21
1200	4	0	0	1–10	1	0	0	2	1	0	0	0	0	0	2	3	9
				11–27	7	0	0	0	0	0	0	0	0	0	3	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	8	0	0	2	1	0	0	0	0	0	5	10	26
1500	4	0	0	1–10	4	0	0	1	0	0	0	1	0	1	1	7	15
				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	10	0	0	1	0	0	0	1	0	1	1	12	26
1800	12	0	0	1–10	2	0	0	0	0	1	0	0	0	1	4	7	15
				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	0	0	0	0	1	0	0	0	1	4	9	18
2100	11	0	0	1–10	2	0	0	0	1	0	1	0	3	3	3	3	16
				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	0	0	0	1	0	1	0	3	3	3	4	19

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

LUXOR (A)—JUNE 1961

Hour (U.T.)	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	2	2	0	0	0	0	0	2	2	1	0	1	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	2	0	0	0	0	0	2	2	1	0	1	10
0300	20	0	0	1-10	1	1	1	1	0	1	0	0	0	1	1	2	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	1	1	0	1	0	0	0	1	1	2	10
0600	17	0	0	1-10	2	3	0	0	0	0	0	0	0	1	2	3	11
				11-27	0	1	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	2	4	0	0	0	0	0	0	0	1	2	4	13
0900	5	0	0	1-10	7	4	1	0	0	0	0	0	1	1	1	4	19
				11-27	1	1	1	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	8	5	2	0	0	0	0	0	1	1	1	7	25
1200	0	0	0	1-10	7	3	0	0	0	0	0	0	1	1	1	10	23
				11-27	0	1	2	0	1	0	0	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	7	4	2	0	1	0	0	0	1	1	1	13	30
1500	1	0	0	1-10	8	0	1	0	0	0	0	0	1	0	3	7	20
				11-27	1	2	2	0	0	0	0	0	0	0	0	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	2	3	0	0	0	0	0	1	0	3	11	29
1800	3	0	0	1-10	4	1	3	2	0	0	0	0	0	0	4	10	24
				11-27	0	0	1	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	4	1	4	3	0	0	0	0	0	0	4	11	27
2100	13	0	0	1-10	6	3	0	2	1	0	0	1	1	1	1	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	6	3	0	2	1	0	0	1	1	1	1	1	17

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASWAN (A) — JUNE 1961

Hour (U.T.)	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	11	1	0	0	0	0	0	0	0	0	1	3	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	13	1	0	0	0	0	0	0	0	0	2	3	19
0300	15	0	0	1–10	8	1	0	0	0	0	0	0	0	0	2	2	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	9	1	0	0	0	0	0	0	0	0	2	3	15
0600	9	0	0	1–10	12	0	0	0	0	0	0	0	0	0	0	2	14
				11–27	5	0	0	0	0	0	0	0	0	0	1	0	6
				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	18	0	0	0	0	0	0	0	0	0	1	2	21
0900	5	0	0	1–10	7	0	2	0	0	0	0	0	0	0	0	0	9
				11–27	10	2	1	2	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	17	2	3	2	0	0	0	0	0	0	1	0	25
1200	2	0	0	1–10	4	1	2	1	1	0	1	1	0	0	2	1	14
				11–27	8	3	1	0	0	0	0	0	0	1	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	12	4	3	1	1	0	1	1	0	1	2	2	28
1500	0	0	0	1–10	4	3	0	0	1	0	0	0	0	0	0	1	9
				11–27	13	1	0	1	0	0	0	0	1	1	2	1	20
				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	18	4	0	1	1	0	0	0	1	1	2	2	30
1800	0	0	0	1–10	5	0	0	1	1	0	0	0	0	1	2	1	11
				11–27	15	2	0	0	1	0	0	0	0	0	0	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	20	2	0	1	2	0	0	0	0	1	2	2	30
2100	5	0	0	1–10	4	2	1	2	1	0	0	0	1	0	2	4	17
				11–27	5	2	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	9	4	1	2	1	0	0	0	1	0	2	5	25

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SIWA — JUNE 1961

Hour (U.T.)	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	4	2	3	5	1	0	0	0	0	0	0	24
				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	2	5	10	3	5	1	0	0	0	0	0	0	26
0300	7	0	0	1-10	4	5	3	5	4	0	0	0	0	0	0	0	21
				11-27	0	1	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	6	3	5	5	0	0	0	0	0	0	0	23
0600	5	0	0	1-10	5	3	7	4	2	0	0	0	0	0	0	2	23
				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	5	4	8	4	2	0	0	0	0	0	0	2	25
0900	1	0	0	1-10	2	5	2	1	3	2	1	1	0	0	2	4	23
				11-27	0	1	1	1	0	0	1	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	2	6	3	2	3	2	2	1	2	0	2	4	29
1200	1	0	0	1-10	4	0	5	0	1	1	0	0	0	0	2	6	19
				11-27	0	3	1	0	0	0	1	1	1	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	4	3	6	0	1	1	1	1	1	0	4	7	29
1500	2	0	0	1-10	6	2	0	0	0	1	0	0	1	0	2	2	14
				11-27	4	2	3	0	0	0	1	1	0	0	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	10	4	3	0	0	1	1	1	1	0	2	5	28
1800	5	0	0	1-10	6	2	2	2	0	2	0	0	0	1	1	2	18
				11-27	0	4	3	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	6	6	5	2	0	2	0	0	0	1	1	2	25
2100	6	0	0	1-10	1	4	6	2	2	0	1	0	1	0	0	0	17
				11-27	0	4	1	1	0	0	1	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	8	7	3	2	0	2	0	1	0	0	0	24

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

BAHARIYA — JUNE 1961

Hour (U.T.)	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	6	5	2	1	0	1	2	1	1	0	1	3	23
				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	6	5	3	1	0	1	2	1	1	0	1	4	25
0800	10	0	0	1—10	5	1	0	3	1	0	3	1	1	1	2	1	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	5	1	0	3	1	0	3	1	1	1	2	2	20
0900	9	0	0	1—10	10	0	1	1	1	0	0	0	0	2	3	2	20
				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	10	0	1	1	1	0	0	0	0	2	3	3	21
1000	1	0	0	1—10	5	3	1	4	1	1	0	0	0	1	2	4	22
				11—27	3	2	0	0	0	0	1	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	8	5	1	4	1	1	1	0	0	1	3	4	29
1200	1	0	0	1—10	5	2	0	1	1	1	0	0	1	2	0	2	15
				11—27	6	3	0	2	0	0	0	0	0	0	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	11	5	0	3	1	1	0	0	1	2	0	5	29
1500	1	0	0	1—10	6	2	2	2	1	0	1	0	0	1	1	3	19
				11—27	6	2	0	0	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	12	4	2	2	1	0	1	0	0	1	2	4	29
1800	5	0	0	1—10	8	5	0	1	0	1	0	0	0	1	2	3	21
				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	10	7	0	1	0	1	0	0	0	1	2	3	25
2100	2	0	0	1—10	8	6	1	2	0	0	1	1	0	0	1	5	25
				11—27	0	3	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	8	9	1	2	0	0	1	1	0	0	1	5	28

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DAKHLA — JUNE 1961

Hour (U.T.)	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	5	0	0	0	2	0	0	1	2	4	0	16
				11-27	2	3	1	0	0	0	0	0	0	0	0	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	4	9	1	0	0	2	0	0	1	2	4	0	23
0300	11	0	0	1-10	2	6	1	1	0	1	2	0	1	1	2	1	18
				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	7	1	1	0	1	2	0	1	1	2	1	19
0600	10	0	0	1-10	3	5	3	0	0	1	0	1	2	2	3	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	3	5	3	0	0	1	0	1	2	2	3	0	20
0900	2	0	0	1-10	4	5	2	4	0	0	2	0	0	0	2	3	22
				11-27	1	1	1	0	0	0	0	0	0	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	5	6	3	4	0	0	2	0	0	1	3	4	28
1200	2	0	0	1-10	6	0	1	1	1	0	0	1	0	1	0	3	14
				11-27	5	3	0	1	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	11	3	1	2	1	0	0	1	0	1	3	5	28
1500	1	0	0	1-10	7	1	1	0	0	0	1	0	0	2	1	5	18
				11-27	3	5	0	0	0	0	0	0	0	0	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	10	6	1	0	0	0	1	0	0	2	2	7	29
1800	1	0	0	1-10	7	7	1	0	0	0	0	0	0	0	2	4	21
				11-27	4	3	0	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	11	10	1	0	0	0	0	0	0	1	2	4	29
2100	5	0	0	1-10	6	4	0	1	0	0	0	1	0	3	2	2	19
				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	8	8	0	1	0	0	0	1	0	3	2	2	25

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

KHARGA — JUNE 1961

Hour (U.T.)	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	6	0	0	0	0	0	0	0	0	0	1	0	7
				11-27	6	0	1	0	0	0	1	0	0	0	0	0	8
				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	13	0	1	0	0	0	1	0	0	0	1	0	16
0300	14	0	0	1-10	9	0	0	0	0	0	0	0	0	0	0	0	9
				11-27	7	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
				≥ 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	0	16
0600	12	0	0	1-10	12	1	0	0	0	0	0	0	0	0	0	0	13
				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	1	0	0	0	0	0	0	0	0	0	0	18
0900	6	0	0	1-10	11	0	0	1	0	0	0	0	0	1	0	0	13
				11-27	8	0	1	0	0	0	0	0	0	0	0	0	9
				28-47	1	0	1	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	20	0	2	1	0	0	0	0	0	1	0	0	24
1200	6	0	0	1-10	10	1	1	0	0	0	0	0	0	0	0	0	12
				11-27	9	1	0	0	0	0	0	0	0	0	0	0	10
				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	21	2	1	0	0	0	0	0	0	0	0	0	24
1500	6	0	0	1-10	9	0	0	0	0	1	0	0	0	0	0	1	11
				11-27	10	1	1	0	0	0	0	0	0	0	0	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	20	1	1	0	0	1	0	0	0	0	0	1	24
1800	17	0	0	1-10	8	0	0	0	0	0	0	0	0	0	0	0	8
				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	0	0	0	13
2100	15	0	0	1-10	9	0	0	0	0	0	0	0	0	0	0	0	9
				11-27	5	0	0	0	0	0	0	0	0	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	15	0	0	0	0	0	0	0	0	0	0	0	15

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

TOR — JUNE 1961

Hour (U.T.)	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	0	0	0	0	0	1	0	0	2	7	2	13
				11-27	1	0	0	0	0	0	0	0	0	0	10	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	0	0	0	0	0	1	0	0	2	17	3	25
0300	6	0	0	1-10	0	0	0	0	1	0	0	0	0	2	11	2	16
				11-27	0	0	0	0	0	0	0	0	0	0	6	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	0	0	0	0	1	0	0	0	0	2	17	4	24
0600	3	0	0	1-10	0	0	0	0	1	0	1	1	0	4	10	1	18
				11-27	0	0	0	0	0	0	0	0	0	1	6	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	0	0	0	0	1	0	1	1	0	5	16	3	27
0900	1	0	0	1-10	0	0	0	0	0	0	1	1	0	4	6	1	13
				11-27	0	0	0	0	0	0	0	0	0	2	13	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	0	0	0	0	0	0	1	1	0	6	19	2	29
1200	2	0	0	1-10	0	0	0	0	0	0	1	2	1	3	3	1	11
				11-27	0	0	0	0	0	0	0	0	0	5	10	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	0	0	1	2	1	8	13	3	28
1500	1	0	0	1-10	0	0	0	0	0	1	2	0	0	7	8	0	18
				11-27	0	0	0	0	0	0	0	0	0	1	10	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	0	0	0	0	1	2	0	0	8	18	0	29
1800	5	0	0	1-10	1	1	0	0	0	1	0	0	0	2	8	3	16
				11-27	0	0	0	0	0	0	0	0	0	1	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	1	1	0	0	0	1	0	0	0	3	13	6	25
2100	4	0	0	1-10	0	0	0	0	1	0	1	0	0	2	9	2	15
				11-27	2	0	0	0	0	0	0	0	0	2	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	0	0	0	1	0	1	0	0	4	13	5	26

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

HURGHADA— JUNE 1961

Hour (U.T.)	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	1	1	2	3	7
				11-27	3	0	0	0	0	0	0	0	0	0	4	9	16
				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	3	0	0	0	0	0	0	0	1	1	6	15	26
0300	1	0	0	1-10	0	0	0	0	0	0	0	1	1	1	2	3	8
				11-27	4	1	0	0	0	1	0	0	0	0	5	9	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	4	1	0	0	0	1	0	1	1	1	7	13	29
0600	2	0	0	1-10	1	0	1	0	0	0	0	0	0	0	0	1	3
				11-27	7	0	0	0	0	0	0	0	0	0	0	16	23
				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	8	0	1	0	0	0	0	0	0	0	0	19	28
0900	0	0	0	1-10	1	3	0	0	2	0	0	0	0	0	0	0	6
				11-27	13	9	0	0	0	0	0	0	0	0	0	1	23
				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	15	12	0	0	2	0	0	0	0	0	0	1	30
1200	0	0	0	1-10	0	4	3	1	1	1	0	0	0	0	0	0	10
				11-27	10	7	0	0	0	0	0	0	0	0	0	1	18
				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	12	11	3	1	1	1	0	0	0	0	0	1	30
1500	2	0	0	1-10	1	1	2	2	1	3	0	0	0	0	0	1	11
				11-27	10	2	0	0	0	0	0	0	0	0	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	11	3	2	2	1	3	0	0	0	0	0	6	28
1800	7	0	0	1-10	1	0	0	0	0	1	0	1	0	0	0	2	5
				11-27	1	0	0	0	0	0	1	0	0	0	0	14	16
				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	3	0	0	0	0	1	1	1	0	0	0	17	23
2100	4	0	0	1-10	0	1	0	1	0	0	0	0	0	2	3	0	6
				11-27	1	0	0	0	0	0	0	0	0	0	8	9	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	1	1	0	1	0	0	0	0	0	2	11	11	26

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

QUSEIR — JUNE 1951

Hour (U.T.)	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	0	0	0	0	0	1	0	0	3	7	2	14
				11–27	1	0	0	0	0	0	0	0	0	0	2	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	**2**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**3**	**9**	**11**	**26**
0300	2	0	0	1–10	1	0	0	0	0	0	0	0	0	1	3	7	12
				11–27	1	0	0	0	0	0	0	0	0	0	3	12	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**	**0**	**0**	**0**	**0**	**0**	**1**	**6**	**19**	**28**
0600	2	0	0	1–10	0	0	0	0	0	0	0	0	0	1	0	2	3
				11–27	5	0	0	0	0	0	0	0	0	0	0	20	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**22**	**28**
0900	0	0	0	1–10	2	0	1	1	1	0	0	0	0	0	0	0	5
				11–27	16	0	0	0	0	0	0	0	0	0	0	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	**18**	**0**	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**30**
1200	0	0	0	1–10	4	3	0	2	1	0	0	0	0	0	0	1	11
				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	**15**	**3**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**30**
1500	0	0	0	1–10	5	1	0	1	2	0	0	0	0	0	0	10	19
				11–27	1	0	0	0	0	0	0	0	0	0	1	9	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**	**0**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**1**	**19**	**30**
1800	6	0	0	1–10	0	0	0	0	1	0	1	1	0	1	3	9	16
				11–27	1	0	0	0	0	0	1	1	0	0	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**	**0**	**0**	**0**	**1**	**0**	**2**	**2**	**0**	**1**	**3**	**14**	**24**
2100	7	0	0	1–10	1	0	0	0	0	1	1	0	0	5	4	1	13
				11–27	1	0	0	0	0	0	0	0	0	1	1	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	**2**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**6**	**5**	**8**	**23**

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ALEPPO (A) — 0000 U.T. — JUNE 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	30	363mb*	970mb*	958mb*	30	19.5	22.2	15.0	30	11.4
1000	—	—	—	—	—	—	—	—	—	—
850	30	1465	1520	1427	30	18.2	24.9	10.0	30	3.0
700	30	3097	3169	3026	30	7.7	13.6	2.4	30	— 8.7
600	30	4348	4447	4263	30	— 0.4	5.7	— 6.2	30	—19.8
500	30	5777	5898	5673	30	—10.8	— 5.6	—15.2	30	—30.4
400	30	7450	7595	7309	30	—23.7	—12.8	—30.1	29	—40.6
300	30	9490	9688	9288	30	—37.4	—29.8	—44.8	29	—53.3
200	30	12209	12431	11967	30	—50.7	—44.4	—58.6	—	—
150	30	14053	14249	13788	30	—58.8	—53.4	—64.0	—	—
100	29	16542	16693	16230	29	—66.7	—56.7	—72.9	—	—
60	29	19676	19835	19340	29	—61·7	—53.4	—68.5	—	—
40	29	22258	22455	21910	29	—56 7	—50.2	—60.2	—	—
30	21	24020	24236	23839	21	—54.8	—49.2	—59.3	—	—
20	4	26551	26604	26491	4	—54.9	—52.5	—58.0	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A)—0000 U.T.— JUNE 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	30	1009mb*	1014mb*	1005mb*	30	22.6	24.1	18.2	30	17.9
1000	30	117	163	88	30	21.8	27.0	18.2	30	16.6
850	30	1532	1558	1489	30	19.0	27.4	14.1	26	2.6
700	30	3159	3230	3108	30	8.9	13.2	— 4.0	20	— 4.0
600	30	4419	4506	4363	30	— 0.1	5.0	— 3.8	16	—11.5
500	30	5853	5944	5798	30	—10.9	— 8.4	—14.0	15	—21.3
400	30	7526	7629	7436	30	—22.9	—19.3	—25.5	6	—33.0
300	30	9[illegible]79	9693	9511	30	—36.0	—31.4	—41.6	—	—
200	30	12[illegible]01	12440	12200	30	—51.5	—45.6	—59.1	—	—
150	30	14141	14347	13998	30	—61.2	—54.7	—66.0	—	—
100	28	16595	16771	16438	28	—69.9	—66.0	—73.7	—	—
60	25	19679	19862	19505	25	—63.0	—59.2	—68.6	—	—
40	25	22217	22411	22068	25	—56.5	—50.3	—64.1	—	—
30	15	24640	24195	23892	15	—53.2	—51.0	—57.0	—	—
20	11	26641	26853	26512	11	—47.1	—45.5	—52.0	—	—
10	1	31186	—	—	1	—35.3	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A)— 1200 U.T. — JUNE 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	30	1009mb*	1015mb*	1003mb*	30	26.4	45.0	23·4	30	18·5
1000	30	122	172	67	30	26.2	44.7	22.0	29	17.5
850	30	1539	1571	1502	30	20.3	32.0	13.6	2[illegible]	3.1
700	30	3182	3236	3129	30	9.9	13.3	4.8	17	— 4.2
600	30	4439	4509	4376	36	0.8	4.6	— 4.0	13	—11.9
500	30	5875	5943	5797	30	— 9.7	— 4.3	—13.2	11	—20.8
400	30	7562	7657	7463	30	—21.6	—18.2	— 25.3	6	—32.6
300	30	9632	9761	9495	30	— 31.9	— 30.4	—41.5	2	— 40.2
200	29	12362	12524	12229	29	—50.0	— 45.8	— 58.0	—	—
150	29	14203	14319	14090	29	— 59.8	—53.0	—64.4	—	—
100	29	16675	16805	16528	29	— 69.5	— 60.7	—76.0	—	—
60	25	19783	19958	19636	25	— 60.6	— 55.6	—68.2	—	—
40	21	22354	22575	22146	21	— 52.6	—47.0	—56.6	—	—
30	15	24207	24372	24010	15	—52.8	—45.8	—54.9	—	—
20	6	26878	27179	26743	6	—43.4	—41.5	—46.2	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1. — UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 0000 U.T. — JUNE 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ..	29	994mb*	998mb*	988mb*	29	25.3	33.8	20.0	29	10.9
1000	29	89	124	44	—	—	—	—	—	—
850	29	1504	1536	1466	28	21.6	29.2	14.8	26	— 1.2
700	29	3155	3211	3095	29	11.3	14.6	5.2	16	— 8.4
600	29	4422	4488	4342	29	2.5	4.7	— 1.0	13	—14.5
500	29	5867	5939	5786	29	— 8.1	— 2.5	—12.0	10	—20.4
400	29	7564	7650	7484	28	—19.7	—13.0	—23.9	7	—31.4
300	29	9645	9731	9526	29	—32.8	—24.1	—39.5	2	—43.2
200	27	12391	12542	12208	27	—50.4	—39.2	—56.8	—	—
150	26	14230	14461	14077	26	—61.0	—48.8	—64.0	—	—
100	23	16685	17067	16564	23	—71.4	—58.7	—77.0	—	—
60	15	19745	20220	19607	15	—63.2	—59.2	—67.8	—	—
40	6	22339	22823	22164	6	—55.4	—52.0	—57.3	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 1200 U.T. — JUNE 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	29	994mb*	998mb*	989mb*	29	35.7	41.0	26.5	29	6.5
1000	29	86	124	52	—	—	—	—	—	—
850	29	1522	1559	1470	29	21.4	30.2	14.4	27	3.3
700	29	3166	3223	3106	29	10.8	14.2	6.6	15	—11.4
600	29	4431	4494	4365	29	2.1	4.6	— 1.0	12	—17.9
500	29	5877	5936	5823	29	— 8.2	— 5.1	—13.1	8	—24.2
400	29	7570	7645	7511	29	—19.9	—16.2	—25.4	1	—33.5
300	28	9657	9735	9582	28	—31.9	—26.5	—39.7	1	—42.0
200	28	12415	12514	12256	28	—49.6	—45.8	—57.0	—	—
150	28	14253	14360	14129	28	—60.7	—55.4	—65.0	—	—
100	25	16699	16798	16596	25	—71.7	—68.4	—75.7	—	—
60	15	19776	19920	19709	15	—63.2	—56.6	—71.4	—	—
40	5	22332	22451	22237	5	—54.7	—50.4	—59.4	—	—
30	2	24149	24241	24057	2	—54.0	—52.3	—55.6	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 0000 U.T. — JUNE 1961

N= the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	30	994mb*	996mb*	992mb*	30	29.4	34.0	26.2	30	5.2
1000	—	—	—	—	—	—	—	—	—	—
850	30	1494	1516	1463	30	24.8	30.2	18.2	9	— 1.4
700	30	3156	3199	3095	30	12.3	18.8	8.2	7	— 5.0
600	30	4425	4493	4357	30	2.6	9.4	— 2.2	8	—12.4
500	30	5873	5965	5810	30	— 8.6	— 0.2	—13.8	4	—21.8
400	30	7585	7713	7496	30	—17.2	— 9.0	—24.2	—	—
300	30	9686	9871	9545	30	—32.6	—20.0	—40.5	—	—
200	30	12441	12759	12215	30	—49.2	—35.2	—57.7	—	—
150	29	14287	14720	14032	29	—51.0	—45.8	—68.4	—	—
100	26	16738	17337	16390	26	—72.7	—59.0	—79.3	—	—
60	16	19692	20501	19331	16	—65.7	—58.2	—77.2	—	—
40	5	22203	23083	21088	5	—57.6	—53.8	—62.4	—	—
30	2	23922	24945	22898	2	54.3	—50.5	—58.1	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

*The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A)— 1200 U.T. — JUNE 1961

N= the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	30	994mb*	997mb*	992mb*	30	43.3	48.9	36.4	30	4.7
1000	—	—	—	—	—	—	—	—	—	—
850	30	1529	1552	1501	30	29.0	34.6	22.0	10	— 2.0
700	30	3208	3252	3149	30	11.6	22.4	8.8	6	—13.3
600	30	4485	4566	4407	30	4.4	13.1	0.2	3	—14.9
500	30	5943	6068	5854	30	— 5.4	— 4.2	—11.3	1	—25.0
400	30	7660	7843	7578	30	—16.2	— 2.3	—22.0	—	—
300	29	9766	10064	9629	29	—30.7	—13.1	—38.6	—	—
200	27	12537	13013	12337	27	—49.7	—29.0	—57.1	—	—
150	25	14346	15061	14160	25	—62.9	—39.0	—67.8	—	—
100	19	16731	16869	16586	19	—76.5	—73.5	—79.9	—	—
60	11	19725	19925	19563	11	—68.1	—59.7	—79.5	—	—
40	3	22178	22233	22075	3	—56.8	—55.4	—57.8	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

*The atmospheric pressure corrected to the elevation of the radiosonde station.

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 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Aleppo .. ..(A)	4256 (29)	608 (30)	−18.4 (30)	5170	676	−01.6	3345	543	−35.4	10702 (13)	25. (13)	−47.6 (13)	12340	337	−34.0	8715	192	−59.1	—	—	—	—
Mersa Matruh (A)	4476 (29)	663 (29)	−11.0 (15)	4930	564	—	3640	658	0.7	13060 (22)	185 (22)	−70.5 (22)	16050	110	−71.3	9650	296	−38.5	10200	272	270	103
Helwan	4752 (28)	576 (28)	— —	5230	544	—	4310	612	—	13326 (23)	184 (23)	−59.4 (23)	17500	85	−73.2	7545	400	−21.6	12300	201	230	100
Aswan .. (A)	4820 (30)	569 (30)	— —	5900	503	—	4190	616	—	15690 (20)	122 (20)	−69.0 (20)	17305	100	−59.0	12470	208	−39.4	12500	196	300	76

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 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000–360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Aleppo .. ..(A)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mersa Matruh (A)	4574 (30)	589 (30)	−10.8 (12)	5260	542	—	3930	634	—	13904 (20)	180 (20)	−57.8 (20)	15180	130	−65.1	9570	300	−37.3	11550	222	230	103
Cairo .. .. (A)	4705 (29)	577 (29)	−17.1 (13)	5120	550	—	4300	610	−25.1	14203 (23)	155 (23)	−62.0 (23)	16744	100	−69.9	10860	248	−50.3	12000	212	230	93
Aswan.. .. (A)	5072 (30)	559 (30)	— —	6880	453	—	4480	598	—	15360 (19)	131 (19)	−63.3 (19)	17760	85	−76.2	13300	176	−62.2	12400	198	320	68

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. — JUNE 1961

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	0	—	0	—	0	—	0	—	1	06	0	—	0	—	0	—	2	06	15	11	6	12	1	04	5	30	09
1000	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	—
850	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	40	2	12	0	—	0	3	21
700	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	09	1	23	0	—	0	2	16
600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

MERSA MATRUH (A) — 0000 U.T.— JUNE 1961

N = the number of cases the wind has been observed from the range of direction during the month.

TN = the total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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 of station	3	7	1	3	1	11	0	—	3	13	0	—	0	—	0	—	0	—	6	8	6	10	8	3	2	30	7
1000	3	7	1	3	1	11	0	—	3	13	0	—	0	—	0	—	0	—	6	8	6	10	8	3	2	30	7
850	4	13	2	16	1	11	0	—	0	—	0	—	1	13	1	15	2	14	2	18	8	6	9	20	0	30	11
700	3	10	0	—	0	—	0	—	0	—	0	—	0	—	1	23	5	27	11	23	9	25	1	13	0	30	23
600	1	17	0	—	0	—	0	—	0	—	0	—	0	—	1	28	6	32	10	36	9	30	3	20	0	30	31
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	28	6	32	12	31	9	32	2	17	0	30	30
400	0	—	0	—	0	—	0	—	1	—	0	—	0	—	1	30	4	41	15	32	7	20	1	25	0	28	32
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	43	8	42	12	50	5	46	0	—	0	26	48
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	55	8	46	5	57	1	50	0	—	0	15	47
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	58	5	36	1	25	0	—	0	10	43
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	60	2	41	0	—	—	—	0	3	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. — JUNE 1961.

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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 of station...	8	10	2	12	0	—	0	—	1	14	0	—	0	—	1	25	0	—	1	25	2	16	15	14	0	30	14
1000...	8	10	2	12	0	—	0	—	1	14	0	—	0	—	1	25	0	—	1	25	2	16	15	14	0	30	14
850...	2	8	1	11	1	5	0	—	0	—	0	—	1	21	2	6	4	18	3	28	10	14	6	16	0	30	15
700...	1	8	1	5	0	—	0	—	0	—	0	—	0	—	3	18	7	25	5	22	7	34	6	14	0	30	23
600...	1	14	0	—	0	—	0	—	0	—	0	—	0	—	3	21	8	30	6	24	9	29	3	12	0	30	25
500...	2	14	0	—	0	—	0	—	0	—	0	—	0	—	3	34	5	28	8	35	10	26	2	12	0	30	28
400...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	29	10	34	9	32	9	31	0	—	0	29	32
300...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	39	8	46	11	40	5	38	0	—	0	25	41
200...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	60	5	55	8	39	4	49	0	—	0	18	47
150...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	63	6	43	1	34	0	—	0	10	48
100...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	26	2	32	2	30	1	20	0	—	0	6	29
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

HELWAN 0000 U.T. — JUNE 1961

N =The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	4	14	5	12	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	8	6	12	10	15	0	28	13
700	2	21	2	5	0	—	0	—	0	—	0	—	0	—	0	—	2	23	5	15	11	19	7	28	0	29	20
600	2	27	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	14	11	20	7	30	3	24	0	29	22
500	1	14	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	18	12	24	6	31	2	36	0	29	24
400	1	17	0	—	0	—	0	—	0	—	0	—	0	—	1	24	7	26	12	28	3	34	1	10	0	25	27
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	31	11	40	6	40	2	38	1	40	0	25	38
200	0	—	0	—	0	—	0	—	0	—	0	—	2	33	4	37	9	47	4	56	1	59	0	—	0	20	46
150	0	—	0	—	0	—	0	—	0	—	0	—	1	51	1	56	7	39	0	—	1	40	0	—	0	10	42
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	32	0	—	0	—	0	—	0	2	32
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

HELWAN—1200 U.T. — JUNE 1961

N=The number of cases the wind has been observed from the range of direction during the month.
TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	6	11	4	9	2	10	0	—	0	—	0	—	0	—	2	8	2	12	4	14	5	15	4	9	0	29	11
700	1	38	0	—	0	—	0	—	1	2	0	—	0	—	2	12	5	20	5	27	9	18	5	27	1	29	21
600	2	20	1	7	0	—	0	—	0	—	1	9	0	—	2	14	5	17	8	29	8	21	2	32	0	29	23
500	1	14	0	—	0	—	0	—	0	—	0	—	0	—	2	11	6	19	10	19	6	32	3	26	0	28	22
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	22	9	23	12	28	6	31	0	—	0	28	29
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	25	11	35	9	44	3	75	1	61	0	28	38
200	0	—	0	—	0	—	0	—	0	—	0	—	1	43	3	43	7	44	3	29	1	5	0	—	0	15	41
150	0	—	0	—	0	—	0	—	0	—	1	17	1	38	2	41	5	40	1	78	1	53	0	—	0	11	43
100	0	—	0	—	0	—	0	—	0	—	0	—	1	16	3	31	0	—	2	47	0	—	0	—	0	6	34
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 (A) — 0000 U.T. — JUNE 1961

N= The number of cases the wind has been observed from the range of direction during the month.

TN= The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	5	8	3	9	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	8	21	30	2
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	6	16	5	18	7	11	2	14	1	17	0	—	1	17	0	—	0	—	2	12	1	19	5	17	0	30	15
700	4	20	4	14	4	13	2	14	2	18	1	6	0	—	2	10	0	—	3	18	3	9	5	16	0	30	15
600	2	11	2	14	4	14	2	12	3	12	0	—	0	—	1	25	2	8	5	11	3	15	6	20	0	30	14
500	3	23	1	23	0	—	3	12	5	8	1	6	3	6	1	12	3	9	6	11	2	10	2	14	0	30	12
400	0	—	1	31	1	31	3	12	0	—	1	6	2	18	2	10	6	17	6	17	4	11	4	21	0	30	16
300	0	—	1	50	0	—	2	14	1	10	2	20	2	14	5	15	8	16	4	18	2	22	2	26	1	30	17
200	0	—	0	—	0	—	0	—	1	13	5	17	4	18	4	20	6	14	3	14	2	54	0	—	0	28	20
150	0	—	0	—	1	5	1	17	3	35	1	25	4	23	4	15	3	23	1	37	0	—	0	—	0	18	23
100	0	—	0	—	0	—	1	19	2	26	1	13	2	18	0	—	0	—	0	—	0	—	0	—	0	6	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

ASWAN (A) — 1200 U.T. — JUNE 1961

N= The number of cases the wind has been observed from the range of direction during the month

TN= The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station...	18	6	1	8	0	—	2	8	0	—	0	—	1	7	0	—	0	—	0	—	2	8	1	5	5	30	5
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	6	11	7	13	4	13	1	12	1	13	1	4	0	—	0	—	1	13	0	—	6	9	3	10	0	30	11
700	3	29	5	12	2	9	4	12	1	14	1	6	1	15	1	11	4	15	2	14	3	13	3	21	0	30	15
600	5	19	2	29	0	—	1	5	4	5	1	10	2	20	1	17	1	12	3	17	5	9	5	13	0	30	14
500	2	10	1	26	1	20	0	—	2	12	5	7	1	13	2	5	5	10	5	12	1	13	5	15	0	30	12
400	1	16	2	14	1	30	3	11	2	12	1	9	3	9	4	10	4	11	6	17	3	15	2	21	0	30	14
300	0	—	1	39	1	8	2	11	0	—	3	19	1	4	5	18	9	14	3	17	2	30	2	36	0	29	18
200	0	—	1	30	0	—	0	—	3	14	2	24	4	20	4	29	1	15	1	42	0	—	2	44	0	18	26
150	0	—	0	—	1	13	1	15	0	—	2	25	2	20	1	16	0	—	0	—	1	30	0	—	0	8	25
100	1	21	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	1	21
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA JUNE 1961

Giza suffered an excessive heat wave most of the first ten days of this month. On the 7th, this heat wave reached its peak and the maximum air temperature was 48.0 C° which is a record for June since the year 1902. During the rest part of the month, weather was generally of the mild summer type, though it was intervened by two short heat waves of moderate intensity. For the month as a whole the daily mean air temperature was above normal (+ 2.1 °C), the daily mean relative humidity and the total rainfall were below normal (— 4% & — 1mm. respectively).

The extreme maximum soil temperatures at different depths in the different fields were higher than the corresponding values for last June, the differences were + 10.9 °C, + 7.2 °C & + 1.3 °C at 0.3, 5 & 50 cms. respectively in the dry field. The extreme minimum soil temperatures at 50 cms. depth and shallower layers in the different fields were higher than the corresponding values for last June, the maximum deviation in the dry field was + 1.8 °C at 1 cm. depth. At depths deeper than 50 cms. the extreme minimum soil temperatures were in general equal to or slightly lower than the corresponding values for last June.

The daily mean values of Piche evaporation and water pan evaporation were higher, (+2.2 mms. & + 0.26 mm. respectively) ; while the daily mean values of potentail evaporation and potential evapotranspiration were lower (— 0.6 mm. & —1.5 mms. respectively) than the corresponding values for June 1960.

The daily mean wind speed and the total duration of bright sunshine were slightly lower than the corresponding values for June 1960 (— 0.4 m./sec. & — 7.4 hours respectively).

REVIEW OF AGRO - METEOROLOGICAL STATION AT TAHRIR JUNE 1961

This month was characterized by four heat waves of different intensities with their peaks on the 3rd, 6th, 14th & 21st. The second heat wave was the most intense and yielded — on the 6th — the extreme maximum air temperature, the highest day-time mean air temperature and the lowest daily mean relative humidity. During the rest periods of the month mild summer weather was enjoyed.

For the month as a whole, the daily mean air temperature was higher (+ 2.4 °C), while the daily mean values of relative humidity, vapour pressure and Piche evaporation were lower (— 2%, — 0.2 mm. & — 0.6 mm. respectively) than the corresponding values of last June.

The extreme maximum and minimum soil temperatures at depths between 5 & 100 cms. were higher than the corresponding values of June 1960. The difference for the maximum soil temperatures ranged from 4.8 °C at 5 cms. depth to 1.3 °C at 100 cms. depth and for the minimum soil temperatures it ranged from 1.9 °C at 5 cms. depth to 0.4 °C at 100 cms. depth.

The daily mean wind speed and the total actual duration of bright sunshine were lower (— 0.7 m./sec & — 8.7 hours respectively) than the corresponding values of June 1960.

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

GIZA — JUNE 1961

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	39.4	22.7	29.7	29.0	32.6	24.0	24.0	24.0	24.0	24.0	24.0	17.0	10.5	5.5	0.0	0.0
2	39.4	18.5	29.1	24.4	31.7	24.0	24.0	24.0	24.0	24.0	22.5	16.0	10.5	5.5	0.0	0.0
3	43.0	19.6	31.4	26.3	35.6	24.0	24.0	24.0	24.0	24.0	23.5	17.5	12.5	9.0	5.0	0.0
4	36.0	20.5	27.7	25.1	29.8	24.0	24.0	24.0	24.0	24.0	24.0	15.5	9.0	0.5	0.0	0.0
5	40.7	18.0	30.1	24.2	33.6	24.0	24.0	24.0	24.0	24.0	20.0	16.5	13.0	8.0	0.0	0.0
6	45.7	18.6	33.4	25.6	37.4	24.0	24.0	24.0	24.0	24.0	22.5	17.5	16.0	12.5	7.5	0.0
7	48.0	21.4	34.0	29.3	38.7	24.0	24.0	24.0	24.0	24.0	24.0	20.0	14.5	10.0	7.5	3.0
8	39.7	21.4	29.7	27.0	32.4	24.0	24.0	24.0	24.0	24.0	24.0	17.5	10.0	6.0	0.0	0.0
9	38.0	22.1	28.5	25.3	31.0	24.0	24.0	24.0	24.0	24.0	24.0	16.0	9.0	4.0	0.0	0.0
10	35.7	20.9	27.8	24.7	30.1	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.5	0.5	0.0	0.0
11	33.0	20.3	26.1	23.9	28.1	24.0	24.0	24.0	24.0	24.0	24.0	13.0	7.0	0.0	0.0	0.0
12	33.9	18.9	25.9	22.6	27.8	24.0	24.0	24.0	24.0	24.0	20.5	13.0	6.5	0.0	0.0	0.0
13	34.5	17.2	26.5	22.7	29.2	24.0	24.0	24.0	24.0	24.0	19.5	15.5	7.5	0.0	0.0	0.0
14	38.7	17.6	28.8	24.2	31.6	24.0	24.0	24.0	24.0	24.0	22.5	16.5	10.0	5.0	0.0	0.0
15	39.8	23.9	31.9	26.7	34.7	24.0	24.0	24.0	24.0	24.0	24.0	22.5	14.0	8.0	0.0	0.0
16	36.0	22.6	28.4	26.6	30.5	24.0	24.0	24.0	24.0	24.0	24.0	16.0	9.0	0.0	0.0	0.0
17	34.0	20.1	26.4	24.3	28.4	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.0	0.0	0.0	0.0
18	33.1	18.6	25.9	23.3	27.9	24.0	24.0	24.0	24.0	24.0	22.5	13.0	5.5	0.0	0.0	0.0
19	33.0	19.9	26.2	23.3	27.7	24.0	24.0	24.0	24.0	24.0	24.0	15.5	6.0	0.0	0.0	0.0
20	37.0	19.2	29.9	25.0	32.1	24.0	24.0	24.0	24.0	24.0	23.0	17.5	14.0	5.0	0.0	0.0
21	39.3	21.4	30.7	28.3	33.5	24.0	24.0	24.0	24.0	24.0	24.0	20.0	12.0	7.0	0.0	0.0
22	34.4	22.9	27.6	25.7	29.3	24.0	24.0	24.0	24.0	24.0	24.0	15.0	7.5	0.0	0.0	0.0
23	34.0	21.3	27.3	24.8	29.0	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.5	0.0	0.0	0.0
24	33.0	21.2	26.4	24.9	28.2	24.0	24.0	24.0	24.0	24.0	24.0	13.5	6.5	0.0	0.0	0.0
25	34.3	20.6	26.7	23.5	28.5	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
26	35.0	22.4	27.9	25.4	29.4	24.0	24.0	24.0	24.0	24.0	24.0	16.0	9.0	0.0	0.0	0.0
27	35.1	22.4	28.0	25.8	29.7	24.0	24.0	24.0	24.0	24.0	24.0	16.0	8.5	0.0	0.0	0.0
28	35.1	20.9	28.2	25.9	30.6	24.0	24.0	24.0	24.0	24.0	24.0	17.5	9.5	0.0	0.0	0.0
29	34.4	21.9	27.3	25.4	29.1	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
30	35.5	20.8	27.6	24.0	29.5	24.0	24.0	24.0	24.0	24.0	24.0	15.0	9.0	0.0	0.0	0.0
Total	—	—	—	—	—	720.0	720.0	720.0	720.0	720.0	700.5	480.5	286.0	86.5	20.0	3.0
Mean	37.0	20.6	28.5	25.2	30.9	24.0	24.0	24.0	24.0	24.0	23.4	16.0	9.5	2.9	0.7	0.1

Highest maximum at 2 metres 48.0 °C on 7th. Highest minimum at 2 metres 23.9 °C on 15th,

Lowest ,, ,, ,, 33.0 °C on 11,19,24,th. Lowest ,, ,, ,, 17.2 °C on 13th.

Absolute minimum temperature at 5 cms. above dry soil 13.3 °C on 13 th.

,, ,, ,, ,, ,, wet soil 13.4 °C on 13 th.

,, ,, ,, ,, ,, grass 10.6 °C on 13 th.

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

TAHRIR – JUNE 1961

Date	Air Temperature (°C)					Duration in hours to the nearest half hour 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	36.6	22.5	28.6	27.3	31.4	24.0	24.0	24.0	24.0	24.0	24.0	15.0	9.5	2.0	0.0	0.0
2	38.0	18.0	28.3	22.1	31.5	24.0	24.0	24.0	24.0	24.0	20.0	16.0	11.0	6.0	0.0	0.0
3	41.5	20.9	29.8	25.4	33.9	24.0	24.0	24.0	24.0	24.0	24.0	14.0	11.0	7.5	1.0	0.0
4	34.7	18.6	26.0	22.6	28.8	24.0	24.0	24.0	24.0	24.0	20.5	12.0	7.5	0.0	0.0	0.0
5	39.5	16.7	28.2	21.1	32.1	24.0	24.0	24.0	24.0	24.0	18.0	15.0	10.5	7.0	0.0	0.0
6	44.0	20.5	32.2	24.8	36.4	24.0	24.0	24.0	24.0	24.0	24.0	17.0	15.0	10.5	6.0	0.0
7	41.1	23.2	31.4	28.6	35.3	24.0	24.0	24.0	24.0	24.0	24.0	21.5	12.0	8.0	1.5	0.0
8	37.6	19.8	27.6	23.6	30.7	24.0	24.0	24.0	24.0	24.0	23.5	13.5	9.0	4.0	0.0	0.0
9	36.6	19.8	27.1	23.0	30.2	24.0	24.0	24.0	24.0	24.0	24.0	13.0	8.0	2.5	0.0	0.0
10	34.0	19.0	25.9	22.5	28.6	24.0	24.0	24.0	24.0	24.0	21.5	12.5	7.0	0.0	0.0	0.0
11	32.0	19.3	24.9	22.1	27.2	24.0	24.0	24.0	24.0	24.0	21.5	11.0	4.5	0.0	0.0	0.0
12	33.5	17.8	25.2	21.0	27.5	24.0	24.0	24.0	24.0	24.0	18.0	11.5	5.5	0.0	0.0	0.0
13	32.6	18.3	25.4	22.3	27.9	24.0	24.0	24.0	24.0	24.0	21.5	12.0	5.5	0.0	0.0	0.0
14	39.2	17.8	28.1	21.3	31.0	24.0	24.0	24.0	24.0	24.0	19.0	16.0	11.0	4.5	0.0	0.0
15	37.9	21.4	29.0	27.1	31.5	24.0	24.0	24.0	24.0	24.0	24.0	16.0	10.0	5.0	0.0	0.0
16	34.9	19.5	26.5	23.7	29.0	24.0	24.0	24.0	24.0	24.0	21.5	13.0	7.5	0.0	0.0	0.0
17	33.2	19.5	25.4	22.6	27.5	24.0	24.0	24.0	24.0	24.0	23.0	12.0	4.5	0.0	0.0	0.0
18	32.0	19.8	25.2	22.5	27.2	24.0	24.0	24.0	24.0	24.0	24.0	11.5	3.0	0.0	0.0	0.0
19	33.8	19.5	25.8	22.4	28.0	24.0	24.0	24.0	24.0	24.0	23.0	12.5	6.5	0.0	0.0	0.0
20	36.8	19.0	27.9	22.4	30.6	24.0	24.0	24.0	24.0	24.0	22.0	16.5	10.5	1.5	0.0	0.0
21	38.8	21.6	28.6	26.1	31.5	24.0	24.0	24.0	24.0	24.0	24.0	12.5	9.0	4.5	0.0	0.0
22	33.6	20.5	26.3	23.4	28.6	24.0	24.0	24.0	24.0	24.0	24.0	13.0	6.5	0.0	0.0	0.0
23	33.0	19.4	26.0	22.5	28.3	24.0	24.0	24.0	24.0	24.0	22.0	13.5	7.0	0.0	0.0	0.0
24	32.7	20.1	25.7	23.3	27.7	24.0	24.0	24.0	24.0	24.0	24.0	12.[illegible]	5.0	0.0	0.0	0.0
25	34.2	19.7	26.2	22.4	28.5	24.0	24.0	24.0	24.0	24.0	21.5	12.5	6.5	0.0	0.0	0.0
26	34.0	22.4	27.3	24.3	29.2	24.0	24.0	24.0	24.0	24.0	24.0	14.0	8.0	0.0	0.0	0.0
27	35.3	22.4	27.3	24.2	29.5	24.0	24.0	24.0	24.0	24.0	24.0	13.0	7.5	0.0	0.0	0.0
28	35.2	20.5	27.0	23.6	29.4	24.0	24.0	24.0	24.0	24.0	24.0	13.5	8.0	0.0	0.0	0.0
29	34.3	22.1	26.9	24.2	29.2	24.0	24.0	24.0	24.0	24.0	24.0	13.0	7.5	0.0	0.0	0.0
30	35.3	20.4	27.0	22.8	29.6	24.0	24.0	24.0	24.0	24.0	24.0	13.5	8.5	0.0	0.0	0.0
Total	—	—	—	—	—	**720.0**	**720.0**	**720.0**	**720.0**	**720.0**	**676.5**	**412.5**	**242.5**	**63.0**	**8.5**	**0.0**
Mean	35.9	20.0	27.2	23.5	29.9	24.0	24.0	24.0	24.0	24.0	22.6	13.8	8.1	2.1	0.[illegible]	0.0

Highest maximum at 2 metres 44.0 °C on 6th. Highest minimum at 2 metres 23.2 °C on 7th.

Lowest " " " 32.0 °C on 11., 18.th. Lowest " " " 16.7 °C on 5th.

Absolute minimum temperature at 5 cms. above dry soil 14.7 °C on 5th.

" " " " " wet soil — on —

" " " " " grass — on —

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

GIZA — JUNE 1961.

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	2.9	1.5	4.8	651	12.3	14.0	88	0	0	34	12	8.6	6.0	25.3	15.00	0.0
2	1.5	1.5	1.6	589	11.3	14.0	81	0	0	42	16	9.9	7.2	17.6	10.38	0.0
3	1.0	0.5	1.7	583	12.0	14.0	86	0	0	30	12	8.9	6.5	22.2	13.63	0.0
4	3.7	3.3	4.3	653	11.6	14.0	83	0	5	46	22	10.9	9.2	22.6	15.45	0.0
5	2.7	2.1	3.5	630	12.4	14.0	89	0	0	31	10	8.1	5.2	27.2	14.51	0.0
6	1.3	0.9	1.8	560	11.9	14.0	85	0	0	23	9	7.9	6.0	26.4	14.04	0.0
7	2.1	1.2	3.3	593	11.7	14.0	84	0	0	26	13	9.9	9.5	30.2	17.03	0.0
8	3.6	3.1	4.3	588	11.2	14.0	80	0	0	53	27	14.4	14.5	22.6	13.46	0.0
9	4.5	3.9	5.4	605	11.5	14.0	82	0	2	51	6	11.6	7.9	26.0	15.79	0.0
10	4.4	3.8	5.4	583	11.5	14.0	82	0	0	53	27	13.0	11.3	22.6	13.61	0.0
11	3.9	3.5	4.5	610	11.5	14.0	82	0	4	59	30	13.0	10.7	18.3	12.96	0.0
12	3.3	2.8	4.0	671	11.9	14.0	85	0	5	52	26	11.4	9.0	18.1	12.16	0.0
13	2.4	1.2	4.1	670	12.4	14.1	88	0	0	38	22	9.7	8.3	21.1	13.18	0.0
14	1.6	1.7	1.4	618	12.2	14.1	87	0	0	38	18	9.9	8.4	20.3	11.96	0.0
15	1.9	1.6	2.3	572	11.1	14.1	79	0	0	3[illegible]	24	10.9	12.0	23.1	13.90	0.0
16	3.6	3.3	4.1	624	12.4	14.1	88	0	0	58	27	14.4	11.3	19.5	12.90	0.0
17	2.8	2.7	3.0	655	11.7	14.1	82	0	5	56	28	12.5	10.0	15.8	11.46	0.0
18	2.2	1.8	2.9	599	11.8	14.1	84	0	4	59	32	13.5	11.6	14.3	10.44	0.0
19	2.1	1.9	2.5	609	11.3	14.1	80	0	6	56	40	14.1	13.6	13.7	10.08	0.0
20	1.8	1.5	2.2	603	12.3	14.1	87	0	4	42	23	11.9	10.5	19.5	12.07	0.0
21	1.9	1.0	3.1	606	12.0	14.1	85	0	0	52	23	14.6	11.3	2[illegible].2	13.88	0.0
22	4.0	3.5	4.8	617	11.8	14.1	84	0	7	63	41	16.2	15.7	16.1	12.54	0.0
23	3.5	2.8	4.5	630	12.0	14.1	85	0	6	66	45	17.0	16.5	16.9	11.98	0.0
24	3.2	2.7	3.9	628	12.6	14.1	89	0	4	62	42	15.2	15.2	14.3	11.64	0.0
25	2.5	2.1	3.0	613	12.0	14.1	85	0	5	64	39	15.5	13.8	14.6	12.03	0.0
26	2.6	2.5	2.7	624	11.1	14.1	79	0	8	61	37	15.6	13.9	15.0	11.94	0.0
27	2.5	2.5	2.5	626	11.4	14.1	81	0	6	67	30	15.8	12.2	16.1	10.48	0.0
28	2.7	2.3	3.2	604	12.6	14.1	89	0	5	65	30	15.9	12.4	16.7	10.36	0.0
29	3.1	2.9	3.3	599	10.8	14.1	77	1	6	61	35	14.5	13.4	15.9	12.36	0.0
30	2.5	2.1	3.0	62[illegible]	11.2	14.1	79	1	6	62	34	15.6	13.5	15.5	12.16	0.0
Total ...	—	—	—	18435	3533	421.8	2515	2	88	—	—	—	—	587.5	383.88	0.0
Mean ...	2.7	2.3	3.4	614.5	11.8	14.1	84	0.1	2.9	50	26	12.7	10.9	19.6	12.79	—

Maximum amount of rainfall in one day ... ... — mms. on —

Lowest value of relative humidity ... ... 7 % on 7th and 31st.

Highest „ „ vapour pressure ... ... 19.1 mms. on 28th.

Lowest „ „ „ „ ... ... 4.8 mms. on 5th.

TABLE C2.—WIND SPEED, (SOLAR+SKY) RADIATION, DURATION OF BRIGHT SUNSHINE, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE THE GROUND, EVAPORATION AND RAINFALL.

TAHRIR—JUNE 1961

Date	Wind speed metres per second			Solar + sky radiation gm. cal/cm²	Duration of bright sunshine in hour			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	4.5	3.2	6.6	655	12.4	14.0	89	0	0	43	17	10.3	7.5	26.2	—	0.0
2	3.0	2.8	3.2	6[illegible]	12.0	1[illegible]	86	0	4	38	13	9.2	5.9	21.5	—	0.0
3	2.5	1.8	3.6	60[illegible]	2.0	1[illegible]	86	0	1	38	12	9.7	6.6	22.8	—	0.0
4	4.7	4.4	5.2	63[illegible]	12.8	14.0	91	4	8	58	21	11.4	8.1	20.3	—	0.0
5	3.0	2.1	4.3	60[illegible]	12.8	14.0	91	0	3	48	15	11.2	7.5	22.8	—	0.0
6	2.7	1.9	3.8	580	12.2	14.0	87	0	0	30	13	10.0	8.3	31.6	—	0.0
7	4.2	3.0	6.2	62[illegible]	11.[illegible]	14.0	84	0	0	32	26	11.4	14.2	23.2	—	0.0
8	4.3	3.2	6.0	588	11.1	14.1	79	4	7	58	32	14.7	14.8	19.3	—	0.0
9	5.1	3.7	7.3	624	12.0	14.1	85	1	6	52	22	12.0	9.6	26.5	—	0.0
10	4.8	3.5	6.7	630	11.9	14.1	84	0	4	51	35	12.7	13.0	20.4	—	0.0
11	4.3	3.5	5.4	646	12.5	14.1	89	0	7	65	34	13.9	11.8	16.7	—	0.0
12	4.1	3.7	4.6	643	12.9	14.1	91	0	7	54	26	11.5	9.4	19.0	—	0.0
13	3.7	2.5	5.4	66[illegible]	12.9	14.1	91	0	0	55	29	11.4	10.6	18.[illegible]	—	0.0
14	2.2	2.2	2.3	600	12.1	14.1	86	0	1	33	16	9.6	7.2	19.8	—	0.0
15	3.5	2.8	4.5	599	11.6	14.1	82	0	0	58	25	14.1	11.3	19.9	—	0.0
16	4.2	3.6	5.0	62[illegible]	12.8	14.1	9[illegible]	0	7	6[illegible]	32	14.1	12.6	16.4	—	0.0
17	3.8	3.3	4.4	631	12.7	14.1	90	4	7	64	39	13.3	10.3	17.0	—	0.0
18	3.9	3.6	4.4	620	12.8	14.1	91	0	7	65	31	14.2	11.7	14.2	—	0.0
19	3.3	3.2	3.4	623	12.5	14.1	89	0	6	65	33	14.4	11.9	13.3	—	0.0
20	2.7	2.3	3.2	598	12.6	14.1	89	0	6	50	39	13.8	12.5	19.4	—	0.0
21	4.0	3.7	4.4	614	12.4	14.1	88	0	2	65	23	15.1	11.5	15.9	—	0.0
22	4.8	3.8	6.4	633	12.1	14.1	86	2	8	68	43	16.2	15.4	16.7	—	0.0
23	4.1	3.3	5.2	618	12.6	14.1	89	2	8	65	42	15.9	15.4	14.3	—	0.0
24	4.2	3.4	5.5	620	13.1	14.1	93	0	5	64	45	15.5	15.4	16.0	—	0.0
25	4.0	3.7	4.5	585	11.4	14.1	81	0	5	71	37	16.3	14.0	14.3	—	0.0
26	4.0	3.9	4.3	604	11.6	14.1	82	0	8	66	43	16.6	15.4	14.4	—	0.0
27	3.5	3.5	3.5	625	11.4	14.1	81	0	8	68	24	14.9	9.7	14.0	—	0.0
28	3.2	3.3	3.1	635	11.8	14.1	84	2	8	74	26	15.0	10.3	13.3	—	0.0
29	4.2	3.8	4.7	636	11.7	14.1	83	0	8	70	27	15.0	10.6	16.2	—	0.0
30	3.3	3.0	3.8	598	10.3	14.1	73	1	10	76	41	18.4	16.2	13.7	—	0.0
Total ..	—	—	—	18594	364.8	422.3	—	20	151	—	—	—	—	577.3	—	0.0
Mean ..	3.8	3.2	4.7	619.8	12.2	14.1	86	0.7	5.0	57	28	13.4	11.2	18.6	—	—

Maximum amount of Rainfall in one day ... . - *mms. on* —
Lowest value of Relative Humidity ... ... 11 % on 3rd
Highest value of Vapour Pressure ... ... 19.8 mms. on 30th
Lowest " " " " ... ... 5.9 " " 2nd

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

GIZA — JUNE 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	72.0	21.3	40.2	18.2	38.8	19.0
1	65.0	22.1	36.2	18.2	34.4	20.8
2	59.8	22.1	34.8	18.3	33.2	21.0
5	49.9	24.8	35.1	19.4	31.2	21.5
10	40.8	28.7	33.4	20.5	29.3	23.1
20	34.6	30.8	29.9	23.3	28.0	24.3
50	32.5	30.4	26.4	24.1	27.2	24.6
100	29.8	27.1	24.5	22.0	24.5	22.5
200	26.6	24.5	21.6	20.1	22.6	21.1
300	24.6	23.7	—	—	—	—

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

TAHRIR — JUNE 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	59.3	20.0	—	—	—	—
1	56.7	19.5	—	—	—	—
2	55.0	20.0	—	—	—	—
5	49.1	22.4	—	—	—	—
10	43.6	25.1	—	—	—	—
20	36.4	28.8	—	—	—	—
50	32.2	29.8	—	—	—	—
100	30.1	27.9	—	—	—	—
200	27.2	24.7	—	—	—	—
300	25.7	23.7	—	—	—	—
600	23.7	23.3	—	—	—	—

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

GIZA—JUNE 1961

10 Knots or more ...	25 Days.			30 Knots or more ...	0 Days.		
15 " " ...	13 "			35 " " ...	0 "		
20 " " ...	0 "			40 " " ...	0 "		
25 " " ...	0 "			The highest gust 26 knots on 9 th.			

G.O., Govt. Printing Office 12261—1966—150 ex.

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 4 NUMBER 7

JULY, 1961

U.D.C. 551.506.1 (62)

MINISTRY OF MILITARY PRODUCTION—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

CONTENTS

PAGE

General Summary of Weather Conditions ... ... 1 — 5

Surface Data

TABLE A 1.—Monthly Mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level ... ... 6·7

" A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours ... ... 8·9

" A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity 10,11

" A 4.—Maximum and Minimum Air Temperatures... 12,13

" A 5.—Rainfall and Snow Depth ... ... 14·15

" A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum... 16

" A 7.—Soil Temperatures at Fixed Hours... 17–19

" A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... ... 20·21

" A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... ... 22·23

" A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 24–46

Upper Air Data

TABLE B 1.—Upper Air Climatological Data 47–49

" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air ... ... 50·51

" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces 52–57

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir... 58

TABLE C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields ... ... 59·60

" C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall... ... ... 61·62

" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields 63

" C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity 64

Note :—For explanatory notes on the tables, please refer to volume 4 number 1 (January 1961).

GENERAL SUMMARY OF WEATHER CONDITIONS

JULY 1961

Mild summer weather over the coastal districts and the northern part of the Southern Region, hot summer weather over the interior districts intervened with excessive heat waves. Dusty in general over the Desert and El Gezeira districts and foggy over Delta & Cairo Areas.

THE MAIN FEATURES

— Small variability in maximum temperature over the Mediterranean coastal areas. A prevailing heat wave over the interior districts during the second half of the month.

—Subnormal relative humidity over the interior districts, and rather normal values over the Mediterranean coastal districts.

— The consecutive deepening of the Monsoon trough of low pressure over the Arabian Gulf round the 8th, 13th, 18th, 22nd & 26th.

— Occasional rising dust at Deir Ezzor most days of the month.

— Early morning mist patches at Cairo most days of the month.

GENERAL DESCRIPTION OF WEATHER

Mild weather of the summer type was enjoyed most days of the month over the Mediterranean coastal districts where maximum temperature showed small vairabilty and its values ranged between 29°C and 31°C at Lattakia, Mersa Matruh and Alexandria.

Over the interior districts of the Northern Region and Upper Egypt district of the Southern Region, the prevailing weather was hot in general, though its intensity was pronounced over the former districts most of the second half of the month and over the latter district round the period (25th — 31st). The prevailing heat wave attained its peak on the 25th when maximum temperature reached 42°C (5°C above normal) at Aleppo; 42°C (6°C above normal) at Damascus; 43°C (5°C above normal) at Palmyra; 45°C (5°C above normal) at Deir Ezzor; 44°C (4°C above normal) at Kamishly and 46°C (5°C above normal) at Aswan.

In the Northern Region, the prevailing weather was almost dusty and sandy at El Gezeira and Desert districts respectively, while in the Southern Region it was almost misty over Delta & Cairo Areas.

The monthly mean values of various meteorological elements for different districts and their deviations from their corresponding normals are given in the following table.

District	Atmospheric pressure (mb.) Corrected to M.S.L.			Air temperature (°C)						Relative humidity (%)			Total rainfall (mms.)	
	Derivation of the mean value (see)	Mean	Deviation from normal	Maximum (A)		Minimum (B)		(A+B)/2		Derivation of the mean value (see)	Mean	Deviation from normal	Mean	Deviation from normal
				Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal					
Mediterranean	a	8.5	−0.6	29.3	−0.5	21.9	+0.1	25.6	−0.2	a	72	−2	0.0	0.0
Lower Egypt	c	8.4	−0.3	33.9	−0.5	19.8	−0.1	26.8	−0.3	c	76	+4	0.0	0.0
Cairo Area	a	7.6	−0.4	34.4	−1.2	21.1	−0.1	27.8	−0.6	a	54	−1	0.0	0.0
Upper Egypt	a	6.0	−0.4	36.4	−0.7	22.0	0.0	29.2	−0.4	a	35	−3	0.0	0.0
Western Desert	a	7.8	−0.7	37.2	−0.7	21.0	−0.9	29.1	−0.8	a	29	−6	0.0	0.0
Red Sea	a	4.2	−0.5	33.6	−0.6	25.3	+0.2	29.4	−0.2	a	52	−2	0.0	0.0

a = the 24 hours mean. c = 4 main synoptic hours mean. e = 06 and 18 U.T. hours mean.

PRESSURE DISTRIBUTION

The characteristic features of the pressure distribution during this month over the surface map can be summarized in

— The complex Monsoon low pressure system over the Arabian Gulf, Arabia & Sudan.

— The Monsoon low pressure system over the Great Sahara of Africa.

— The ridge of high pressure over Mediterranean and Libya extending from southern area of the northern Anticyclone over Europe & Russia.

— The deep low pressure systems over north Atlantic and their east-ward to north — eastward tracks through Urasia.

— The Atlantic high pressure system west of Europe.

On the other hand, the outstanding features of the upper patterns in the upper (700, 500 & 300 mb) charts were almost the same viz.

— An upper low in the northern latitudes over British Isles & West Europe.

— A marked Block north of the Black Sea.

— A high pressure belt in the middle latitudes (15°N — 35°N) extending from the Atlantic eastwards towards Arabia.

The deep low pressure systems over north Atlantic were of extended vertical structure and their upper reflection particularly in the 500 mb level were well defined. They proceeded from the west to the east through Europe and Russia along their preferred northeast track. During this month five consecutive secondary depressions developed at their southern vicinities, three over West Mediterranean round the 4th, 12th & 16th and two over the Balkans round the 20th & 24th. These secondary depressions followed from their origins a northeast track and traversed the Black Sea vicinities round the 8th, 13th, 18th, 22nd & 26th. During their short life histories the complex Monsoon over the Arabian Gulf, Arabia & Sudan showed, either an appreciable northwest extension through Asia Minor and East Mediterranean as occurred during the periods, (4th — 8th), (12th — 13th) & (16th — 18th) or an appreciable deepening while being stationary as in the periods (20th — 22nd) & (24th — 26th). The northwest extensions of the Arabia Monsoon in the first three occasions was accompanied by the development of a secondary upper low over the Balkans & Greece areas while its deepening process in the last two occasions was associated by the development of a shallow upper low aloft at both 700 & 500 mb. levels. Apart from the last five mentioned periods, high pressure established over Urasia and showed a marked ridge in the south through the Mediterranean and North Africa coastal strip.

It is worth to note that barometric pressure over the United Arab Republic oscillated below its normal in general most days of this month.

SURFACE WIND

NORTHERN REGION

The prevailing wind direction was Wly except in the southern part of the Western Inland district where it varied between SW ly & N ly and in the North Eastern district where it was N ly.

The daily average wind speed was generally light to moderate. It was moderate to fresh over northern part of the Western Inland district between the (1st — 6th) & (20th — 22nd), over the Western Inland district between the (9th — 11th) and over the southern part of the Western Inland district on the 13th.

The wind speed reached strong to gale force on the 2nd, 10th & 21st at Aleppo between the (7th — 22nd), (27th — 31st) at Damascus, on the 11th in the Step Desert district, on the 15th at the North Eastern district.

SOUTHERN REGION

Light / moderate N NE ly winds prevailed most of the month particularly over the northern part of the Region. Fresh to strong wind blew occasionally during the day hours over scattered localities in the Mediterranean and Red Sea districts. Calms were frequent most of the night and early morning intervals over scattered localities in the Republic particularly in Upper Egypt and Western Desert districts.

TEMPERATURE

NORTHERN REGION

Maximum temperature oscillated slightly above normal in the Mediterranean coastal districts where its values ranged between 29°C & 31°C. Over the inland districts it oscillated below its normal during the 1st half of the month when its values ranged between 34°C & 37°C and oscillated above its normal during the 2nd half when its values ranged between 35°C & 42°C. Over the far inland districts it continued above its normal and its values oscillated between 38°C & 45°C . The absolute maximum temperature was 46.7°C at Tel Ajajah on the 25th.

Minimum temperature oscillated round the normal in the Mediterranean coastal districts and the Western Inland districts where its values ranged between 20 & 25°C and 18 & 24°C respectively. Over the far inland districts minimum temperature oscillated above normal during the 1st half of the month and its values ranged between 23°C & 19°C ; while during the 2nd half it was almost changeable and its values ranged between 18°C & 28°C. The absolute minimum temperature was 4.5°C at Madaya on the 4th & 7th.

SOUTHERN REGION

During this month, maximum temperature oscillated slightly above its normal in northern part of the Region where its values ranged between 28°C & 31°C. Over the interior districts it oscillated below its normal most days of the month with the exception of the last week during which it exceeded its normal and accordingly its values ranged between 31°C & 42°C and 41°C & 46°C respectively. The absolute maximum temperature was 46.4°C at Kom Ombo on the 26th.

Minimum temperature oscillated slightly round its normal most days of the month over the northern and the middle districts of the Region where its values ranged between 18°C & 23°C. Over the far inland districts it oscillated below its normal in general with the exception of the last week during which it exceeded its normal and accordingly its values ranged between 22°C & 25°C and 26°C & 29°C respectively. The absolute minimum temperature was 14.6°C at Fayed on the 3rd.

PRECIPITATION

NORTHERN REGION

Light rain fell over the Coastal district, The maximum daily fall was 4.0 mms. reported at Joubet Borghal (Coastal district) on the 27th. This was also the maximum monthly amount of rain for the Region.

SOUTHERN REGION

No rain was reported all over the Region.

MISCELLANEOUS WEATHER PHENOMENA

SOUTHERN REGION

Mist patches developed at : Port Said on the 14th & 29th; El Arish on the 1st, 18th & 25th ; Ghazza on the 1st, 15th, 16th 22nr, 25th & 27th ; Tahrir on the 9th, 15th.

16th, 21st, 23rd, 25th & 26th ; Abu Sueir on the 10th, 11th, 14th, 16th, 17th, 20th, 21st, 26th & 31st ; Zaher on the 25th, 26th & 30th ; Inshas on the 25th & 26th ; Cairo on the 6th, (8th-12th), 16th, 17th, (21st-27th) 29th, 30th & 31st ; Mostafa Helmi on the 1st, 2nd, 3rd, (9th — 12th), (14th—17th), 19th, 23rd, 25th, 26th, 27th 29th 30th & 31st ; Almaza on the 1st, 5th, 8th, 9th. 10th, 16th, 19th, 20th, 23rd, 24th, 25th, 30th & 31st Abbasiya on the 16th, 19th, 23rd, 25th & 26th ; Imbaba on the 25th and at Siwa on the 6th.

Fog patches developed at : Damietta on the 16th ; Ghazza on he 1st, 15th, 16th & 25th ; Abu Sueir on the 16th & 26th ; Cairo on the 16th, 19th, 23rd, 25th & 26th; Almaza on the 16th, 23rd, 25th & 26th and at Abbasiya on the 16th & 26th.

Local rising sand or dust was reported at : Balteam on the 27th; Zaher on the 3rd; Mostafa Helmi on the 10th ; Siwa on the 27th & 28th and at Quseir on the 28th & 29th.

Cairo MAY 1967

M·F. TAHA
UNDER SECRETARY OF STATE
DIRECTOR GENERAL
METEOROLOGICAL DEPARTMENT

TABLE A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "Hp" AND TO MEAN SEA LEVEL

JULY 1961

District	Station	Altitude of Hp. (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal
MEDITERRANEAN	Sallum	6.0	1009.9	—	1010.3	+0.5	1010.1	+0.6	1009.9	+0.3	6.0	1010.4	—	1010.8	+0.6	1010.6	+0.7	1010.4	+0.4
	Sidi Barrani	22.8	1007.0	0.0	1007.6	+0.1	1007.7	+0.1	1007.5	+0.2	24.0	1009.6	0.0	1010.2	+0.1	1010.3	+0.1	1010.1	+0.2
	Mersa Matruh (A)	30.0	1006.2	+0.7	1006.4	+0.7	1006.6	+0.9	1006.5	+0.6	30.0	1009.9	+0.7	1010.1	+0.7	1010.3	+0.9	1010.2	+0.6
	Dabaa	18.0	1006.9	—	1007.3	—	1007.5	—	1007.3	—	17.8	1008.9	—	1009.3	—	1009.5	—	1009.3	—
	Dekheila (A)	6.0	1007.9	—	1008.3	—0.7	1008.3	—0.7	1008.2	—	5.9	1008.5	—	1008.9	—0.7	1008.9	—0.7	1008.8	—
	Alexandria (A)	7.0	1007.4	+0.3	1007.9	+0.4	1007.9	+0.4	1007.8	+0.4	6.8	1008.2	+0.3	1008.7	+0.4	1008.7	+0.4	1008.6	+0.4
	Balteam	2.0	1007.8	—	1008.1	—	1007.5	—	1007.9	—	2.0	1008.0	—	1008.3	—	1007.7	—	1008.1	—
	Damietta	5.0	1005.6	—	1006.1	—1.9	1005.6	—1.8	1005.7	—1.8	5.0	1006.0	—	1006.5	—1.9	1006.0	—1.8	1006.1	—1.8
	Port Said (A)	7.4	1006.3	+0.1	1007.1	+0.1	1006.6	+0.2	1006.5	+0.1	6.1	1007.0	+0.1	1007.8	+0.1	1007.3	+0.2	1007.2	+0.1
	El Arish	17.1	1005.3	+0.1	1006.0	—1.1	1005.3	—1.1	1005.5	—0.9	17.1	1006.5	+0.1	1007.2	—1.1	1006.5	—1.1	1006.7	—0.9
	Ghazza	15.7	1005.1	—	1005.8	—	1005.2	—	1005.2	—	15.7	1006.9	—	1007.6	—	1007.1	—	1007.0	—
LOWER EGYPT	Mansoura	4.0	1007.8	—	1008.3	+0.1	1007.1	+0.1	1007.5	+0.1	3.6	1008.3	—	1008.7	+0.1	1007.5	—0.1	1007.9	+0.1
	Damanhour	6.7	1007.3	—	1007.9	—0.5	1007.7	+0.1	1007.8	—0.1	6.7	1007.9	—	1008.6	—0.5	1008.3	0.0	1008.4	—0.2
	Gimmeiza	8.9	1007.6	—	1008.0	+0.1	1007.1	+0.1	1007.3	0.0	8.9	1008.6	—	1009.0	+0.1	1008.1	+0.1	1008.3	0.0
	Tanta	14.8	1006.2	—	1006.5	—1.1	1005.6	—0.8	1006.2	—0.8	15.4	1007.4	—	1007.7	—1.1	1006.8	—0.8	1007.4	—0.8
	Tahrir	16.0	1006.2	—	1006.3	—	1005.0	—	1005.8	—	18.6	1008.4	—	1008.5	—	1007.2	—	1007.9	—
	Shebin El Kom	17.9	1005.7	—	1006.6	—0.6	1005.5	—0.5	1005.8	—0.8	17.9	1007.9	—	1008.9	—0.5	1007.7	—0.3	1008.1	—0.7
	Zagazig	13.0	1006.7	—	1007.3	—0.3	1006.1	—0.3	1006.7	—0.4	13.0	1008.3	—	1008.9	—0.3	1007.7	—0.3	1008.3	—0.4
	Abu Sueir (A)	16.0	1006.2	—	1006.9	—	1005.1	—	1005.9	—	16.0	1008.0	—	1008.7	—	1006.9	—	1007.7	—
	Zaher (A)	23.5	1003.4	—	1004.2	—	1002.9	—	1002.8	—	23.3	1007.0	—	1007.7	—	1006.3	—	1006.3	—
	Wadi El Natrun	0.9	1009.0	—	1009.3	+0.7	1007.7	+0.8	1008.7	+0.8	0.9	1009.1	—	1009.4	+0.7	1007.8	+0.8	1008.8	+0.8
	Inshas (A)	25.5	1003.9	—	1004.6	—	1003.2	—	1003.6	—	25.6	1006.9	—	1007.6	—	1006.2	—	1006.6	—
	Fayed (A)	35.0	1005.6	—	1006.2	—	1004.4	—	1004.9	—	35.0	1008.1	—	1008.6	—	1006.8	—	1007.3	—
	Kabrit (A)	4.9	1006.2	—	1007.4	—	1015.5	—	1005.8	—	4.8	1007.5	—	1008.7	—	1006.8	—	1007.1	—
CAIRO AREA	Cairo (A)	74.5	1000.5	—0.5	1001.2	—0.1	999.6	—0.3	999.8	—0.1	74.0	1007.9	—0.6	1008.5	—0.2	1006.8	—0.4	1007.1	—0.2
	Mostafa Helmi (A)	164.0	989.3	—	990.0	—	988.6	—	988.9	—	164.0	1008.2	—	1008.7	—	1006.8	—	1007.5	—
	Almaza (A)	78.5	998.7	—0.4	999.3	—0.3	997.9	—0.3	998.2	—0.3	78.6	1007.7	—0.4	1008.4	—0.2	1006.7	—0.3	1007.1	—0.3
	Abbasiya (H.Q.)	26.4	1005.8	—	1006.3	—	1004.9	—	1005.0	—	26.4	1008.9	—	1009.4	—	1007.9	—	1008.0	—
	Imbaba (A)	19.0	1005.9	—	1006.6	—	1004.9	—	1005.0	—	19.0	1008.0	—	1008.7	—	1007.0	—	1007.1	—
	Giza	22.5	1005.3	—	1005.9	—0.4	1004.5	—0.2	1004.6	—0.5	22.5	1008.1	—	1008.6	—0.4	1007.2	—0.2	1007.3	—0.5
	Helwan	115.5	—	—	995.4	—0.2	994.0	0.0	994.0	—0.3	115.6	—	—	1008.6	—0.2	1006.7	0.0	1007.0	—0.2

TABLE A 1. (*contd.*)—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "Hp" AND TO MEAN SEA LEVEL

JULY 1961

District	Station	Altitude of Hp. (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from nomal
UPPER EGYPT	Fayoum	23.3	1005.1	—	1006.0	+0.5	1004.1	+0.3	1004.4	+0.8	23.3	1008.0	—	1008.9	+0.5	1006.9	+0.3	1007.2	+0.8
	Beni Suef	30.0	1005.0	—	1004.9	+0.1	1003.2	0.0	1003.1	0.0	30.0	1007.4	—	1008.3	—0.1	1006.5	0.0	1006.4	0.0
	Minya ... ... (A)	40.0	1004.5	—0.8	1002.7	—0.6	1001.4	—0.7	1000.6	—0.8	40.3	1006.2	—0.8	1007.4	—0.6	1005.8	—0.7	1005.1	—0.8
	Asyout (Mangabad) ... ... (A)	69.0	998.6	+0.4	1000.4	+0.4	998.8	+0.5	998.2	+0.3	69.5	1006.6	+0.5	1008.4	+0.5	1006.6	+0.5	1006.0	+0.2
	Nag Hammadi	70.5	997.0	—	998.7	—0.5	997.3	—0.3	996.8	—0.7	70.5	1005.1	—	1006.7	—0.5	1005.1	—0.2	1004.7	—0.7
	Kena	74.2	996.7	—	998.5	+0.2	996.8	+0.4	996.4	0.0	74.2	1005.2	—	1006.9	+0.2	1005.0	+0.5	1004.7	+0.1
	Luxor ... ... (A)	88.7	994.2	—0.8	995.9	—0.4	994.3	—0.3	993.9	—0.7	88.4	1004.2	—0.8	1005.8	—0.4	1003.8	—0.4	1003.8	—0.6
	Kom Ombo	102.6	993.0	—	994.7	—	993.0	—	992.7	—	102.6	1004.7	—	1006.1	—	1004.2	—	1004.2	—
	Aswan ... ... (A)	192.5	982.3	—	983.7	—1.5	984.9	—1.6	981.8	—1.5	193.5	1004.2	—	1005.3	—1.3	1002.9	—1.5	1003.2	—1.4
WESTERN DESERT	Siwa	—13.5	1011.7	+0.6	1012.9	+0.5	1011.2	+0.4	1010.0	+0.3	—13.3	1010.0	+0.5	1011.3	+0.5	1009.6	+0.4	1008.4	+0.3
	Bahariya	129.5	993.6	—	994.7	—1.2	993.0	—1.2	992.3	—1.6	129.0	1008.3	—	1009.4	—1.0	1007.1	—1.2	1006.6	—1.7
	Farafra	91.5	999.8	—	1000.9	+0.7	1000.0	+1.3	999.1	+0.8	92.1	1009.9	—	1011.0	+0.9	1009.7	+1.4	1009.1	+0.9
	Dakhla	111.5	993.1	—	994.6	—0.6	992.7	—0.9	992.3	—1.5	111.5	1006.1	—	1007.2	—0.6	1004.9	—1.0	1004.8	—1.4
	Kharga	72.5	997.0	—	998.7	—1.5	997.2	—1.6	996.9	—1.8	73.0	1005.2	—	1006.7	—1.5	1005.1	—1.5	1004.5	—2.1
RED SEA	Suez	11.0	1006.5	—	1007.2	+0.2	1005.9	—0.8	1006.0	+0.1	12.2	1007.7	—	1008.4	+0.2	1007.1	—0.8	1007.2	+0.1
	Tor	4.2	1002.9	—	1004.8	—1.0	1003.7	—1.0	1002.9	—1.3	4.2	1003.3	—	1005.2	—1.0	1004.1	—1.0	1003.3	—1.3
	Hurghada	2.8	1003.5	+0.6	1005.7	+0.6	1004.0	+0.5	1003.7	+0.6	2.8	1004.0	+0.6	1005.9	+0.6	1004.2	+0.5	1003.9	+0.6
	Quseir	11.3	1002.3	—	1004.6	—0.8	1003.1	—1.5	1002.7	—1.5	11.3	1003.3	—	1005.0	—0.8	1004.1	—1.5	1003.7	—1.5
	Abul Kizan	5.0	1003.8	—	1004.9	—	1004.4	—	1003.9	—	5.0	1004.3	—	1005.5	—	1004.9	—	1004.4	—

TABLE A 2.—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

JULY 1 61

District	Station	Dry bulb temperature (°C)								Wet 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
MEDITERRANEAN	Sallum	22.6	—	25.2	— 1.4	29.1	— 0.7	25.3	— 0.7	20.7	—	21.2	— 0.9	22.0	— 1.0	20.3	— 1.2	83	—	69	+ 3	51	— 3	62	— 4
	Sidi Barrani	22.9	0.0	24.9	— 0.6	27.1	— 0.4	24.3	— 0.6	21.4	+ 0.4	22.1	— 0.2	23.0	— 0.3	21.9	— 0.5	88	+ 4	77	+ 2	69	0	80	0
	Mersa Matruh ... (A)	22.0	0.0	25.1	— 0.5	28.0	+ 0.2	24.4	— 0.6	20.1	— 0.2	21.9	— 0.5	22.4	— 0.9	21.6	— 0.9	83	— 2	74	— 1	60	— 7	77	— 3
	Dabaa	22.0	—	25.8	— 0.2	28.4	+ 0.1	23.8	— 1.2	19.6	—	21.5	— 0.9	22.0	— 0.7	20.7	— 1.6	79	—	67	— 5	55	— 5	75	— 3
	Dekheila ... ... (A)	23.5	—	25.6	— 0.4	28.0	+ 1.0	24.7	—	20.8	—	21.8	— 1.8	23.0	— 1.3	21.8	—	78	—	70	—11	63	—16	77	—
	Alexandria ... ... (A)	23.4	— 0.2	26.8	+ 0.2	29.1	+ 0.3	24.6	— 0.4	21.0	— 0.7	22.5	— 0.3	23.7	— 0.1	21.9	— 0.5	80	— 4	68	— 3	62	— 2	78	— 1
	Balteam	24.1	—	26.9	—	29.0	—	24.9	—	21.8	—	22.6	—	23.0	—	22.1	—	81	—	68	—	58	—	77	—
	Damietta ... ... (A)	22.8	—	26.0	— 1.1	31.0	+ 1.8	25.0	— 0.6	21.4	—	22.9	— 0.7	24.6	+ 0.8	22.8	— 0.7	88	—	76	+ 3	56	— 6	82	— 1
	Port Said	24.9	— 0.3	26.1	— 0.6	29.2	+ 0.1	26.1	— 0.4	22.4	— 0.2	22.7	— 0.5	24.0	— 0.2	22.9	— 0.6	80	+ 1	73	0	63	— 2	75	— 2
	El Arish	22.9	0.0	27.4	— 0.6	29.7	+ 0.7	26.1	0.0	21.4	0.0	23.1	— 0.4	23.9	— 0.8	23.0	— 0.6	88	0	68	+ 1	60	— 9	76	— 4
	Ghazza	23.2	—	26.7	—	28.0	—	26.3	—	21.7	—	23.5	—	24.7	—	24.0	—	88	—	75	—	75	—	82	—
LOWER EGYPT	El Sirw	—	—	26.2	— 0.6	31.5	+ 0.7	25.2	— 0.5	—	—	22.4	— 1.0	23.6	— 0.9	22.5	— 0.6	—	—	71	— 3	49	— 8	78	— 1
	Sakha	20.6	—	25.3	— 1.2	33.2	— 0.1	26.0	+ 0.5	—	—	22.3	— 0.8	25.6	+ 0.7	22.7	+ 0.1	—	—	76	+ 2	52	+ 4	74	+ 3
	Mansoura	20.7	—	25.5	— 0.7	32.5	— 1.5	25.8	— 0.6	19.2	—	22.7	— 0.1	23.7	+ 0.3	21.8	— 0.6	86	—	78	+ 5	45	+ 6	69	+ 1
	Damanhour	21.2	—	24.6	— 2.4	31.3	— 0.1	24.7	— 0.5	—	—	22.1	— 1.1	23.7	— 0.1	22.2	0.0	—	—	80	+ 9	50	0	80	+ 4
	Gimmeiza	—	—	25.8	— 0.4	34.4	+ 0.8	27.0	+ 1.2	—	—	24.2	+ 1.0	28.8	+ 3.8	25.2	+ 2.3	—	—	87	+10	64	+17	86	+ 9
	Tanta	21.6	—	25.6	— 0.7	33.7	— 0.1	26.8	+ 0.7	19.9	—	22.1	— 0.7	23.5	— 0.1	21.7	— 0.3	85	—	72	— 1	30	— 9	62	— 6
	Tahrir	21.8	—	25.1	—	33.2	—	26.5	—	20.1	—	21.2	—	21.2	—	21.4	—	85	—	69	—	30	—	62	—
	Shebin El Kom ...	21.0	—	25.1	— 1.1	32.1	— 2.2	26.2	— 1.3	—	—	22.3	+ 0.1	23.6	+ 1.2	22.0	+ 0.4	—	—	77	— 8	46	+14	67	+10
	Zagazig	22.[illegible]	—	24.9	— 2.1	32.4	— 1.8	28.0	+ 0.5	—	—	22.0	— 1.3	23.0	— 1.0	22.4	— 0.2	—	—	77	+ 5	42	+ 2	60	— 4
	Abu Sueir ... ... (A)	23.4	—	25.3	—	34.8	—	28.6	—	20.7	—	21.7	—	21.4	—	21.8	—	78	—	71	—	26	—	53	—
	Zaher ... ... (A)	22.8	—	24.5	—	33.6	—	28.7	—	20.4	—	21.2	—	22.1	—	21.2	—	79	—	73	—	33	—	49	—
	Wadi El Natrun ...	22.4	—	25.4	— 0.5	34.6	— 0.5	27.6	— 1.4	19.6	—	21.2	— 0.9	20.7	— 2.2	20.7	— 1.1	76	—	67	— 4	23	— 9	51	0
	Inshas .. .. .. (A)	22.0	—	24.5	—	23.3	—	27.9	—	19.4	—	20.7	—	22.7	—	21.3	—	77	—	69	—	37	—	54	—
	Fayed ... ... (A)	23.8	—	26.2	—	35.1	—	29.4	—	19.9	—	21.4	—	22.2	—	21.7	—	68	—	64	—	29	—	48	—
	Kabrit ... ... (A)	24.3	—	25.4	—	33.7	—	29.2	—	21.0	—	21.5	—	21.8	—	21.9	—	73	—	69	—	31	—	51	—
CAIRO AREA	Cairo ... ... (A)	22.8	— 0.7	24.0	— 1.1	33.2	— 1.0	29.4	— 0.5	20.3	+ 0.5	20.9	— 0.7	21.5	— 0.3	21.1	— 0.5	78	0	75	+ 3	32	+ 2	44	— 1
	Mostafa Helmi ... (A)	21.5	—	23.5	—	32.9	—	27.6	—	19.5	—	19.8	—	20.5	—	20.4	—	82	—	70	—	28	—	48	—
	Almaza ... ... (A)	22.6	— 1.3	24.0	— 1.1	33.4	0.0	29.0	— 1.2	19.6	— 1.6	20.2	— 1.6	21.7	+ 0.2	20.8	— 1.0	74	— 4	69	— 5	31	0	45	0
	Abbassiya ...(H.Q.)...	23.0	—	25.2	—	33.8	—	29.0	—	21.1	—	22.9	—	23.0	—	22.3	—	84	—	81	—	36	—	54	—
	Imbaba ... ... (A)	22.0	—	24.9	—	33.4	—	28.4	—	19.6	—	21.3	—	22.8	—	21.8	—	79	—	71	—	37	—	54	—
	Giza	22.2	—	24.3	— 1.1	32.9	— 2.0	28.6	— 0.4	20.2	—	21.0	— 1.0	21.7	— 1.0	21.1	— 0.3	83	—	73	0	33	+ 2	49	+ 1
	Helwan	—	—	24.0	— 0.9	33.4	— 0.7	29.5	— 1.6	—	—	20.5	— 0.2	20.7	+ 0.3	20.6	+ 0.2	—	—	72	+ 5	27	+ 3	41	+ 5

TABLE A 2 (*contd.*)—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

JULY 1961

District	Station	Dry bulb temperature (°C)								Wet 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
UPPER EGYPT	Fayoum	23.6	—	25.9	— 0.4	35.1	+ 0.2	29.9	— 0.5	20.1	—	21.3	— 0.2	21.0	— 0.4	20.2	— 0.5	72	—	65	+ 1	24	— 2	37	— 1
	Beni Suef	23.2	—	25.1	— 2.5	35.4	— 1.1	29.4	— 0.8	18.9	—	20.5	— 1.7	21.5	— 1.1	20.1	— 0.	64	—	64	+ 3	25	— 1	38	— 2
	Seds	—	—	25.4	— 1.5	33.6	— 1.5	28.6	0.0	—	—	22.0	— 0.9	22.7	— 0.3	21.2	— 0.2	—	—	73	+ 4	35	+ 3	49	— 2
	Minya ... ... (A)	23.4	+ 0.4	25.1	— 1.0	34.9	— 1.1	28.8	0.0	18.5	+ 0.1	20.7	— 0.6	21.2	— 0.5	19.9	— 0.2	60	— 2	66	+ 2	25	+ 1	40	— 2
	Mallawi	21.6	—	25.2	—	33.6	—	27.3	—	—	—	21.9	—	23.6	—	20.8	—	—	—	74	—	40	—	54	—
	Asyout (Mangabad)(A)	25.4	— 0.4	25.5	— 1.3	34.4	— 1.8	30.0	— 1.0	17.7	+ 0.3	20.0	+ 0.1	20.9	— 0.4	19.6	+ 0.3	44	+ 4	58	+ 8	25	+ 4	33	+ 4
	Shandaweel	23.1	—	27.1	— 1.6	35.8	— 0.8	27.3	— 1.0	—	—	22.3	+ 0.1	24.7	+ 0.6	21.9	+ 0.4	—	—	64	+ 9	38	+ 6	60	+ 7
	Nag Hammadi	23.4	—	27.0	— 1.8	25.8	— 0.8	29.1	— 0.2	—	—	21.6	+ 0.6	24.2	+ 1.5	22.1	+ 1.3	—	—	60	+13	35	+ 9	52	+ 9
	Kena	26.6	—	29.3	— 1.2	37.6	— 2.3	31.1	— 2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor ... ... (A)	27.3	— 0.1	31.3	— 1.5	38.9	— 0.8	32.7	— 1.1	17.6	+ 0.5	20.4	0.0	21.5	— 0.3	20.1	+ 0.3	34	+ 3	33	+ 5	16	+ 1	26	+ 4
	Kom Ombo	26.6	—	31.9	—	40.7	—	32.9	—	16.7	—	19.7	—	21.8	—	19.1	—	32	—	27	—	14	—	22	—
	Aswan ... ... (A)	28.3	—	31.9	+ 0.1	39.6	— 0.8	35.3	— 0.6	15.9	—	18.3	— 1.7	20.1	— 2.5	18.5	— 1.9	21	—	21	— 8	10	— 7	13	— 6
WESTERN DESERT	Siwa	24.0	— 1.1	24.0	— 1.5	34.7	— 1.0	22.3	— 1.0	17.8	— 0.3	19.8	— 0.3	19.6	— 1.2	18.6	— 1.7	51	+ 3	66	+ 7	18	— 3	21	— 5
	Bahariya	23.6	—	23.8	— 2.1	25.3	0.0	31.7	+ 1.2	19.0	—	20.2	— 0.1	21.0	— 1.2	19.6	— 0.8	62	—	71	+13	23	— 5	27	— 9
	Farafra	24.2	—	25.8	— 1.5	35.3	— 0.8	30.4	— 0.2	14.4	—	16.4	— 3.0	18.2	— 3.4	16.1	— 2.9	28	—	33	—11	12	—11	15	—13
	Dakhla	24.5	—	28.5	— 0.9	36.4	— 0.6	31.5	— 1.2	15.1	—	17.8	— 0.7	19.3	— 1.7	17.8	— 0.9	31	—	30	0	14	— 4	19	— 1
	Kharga	25.0	—	29.6	— 0.3	38.3	— 0.2	32.3	— 1.0	16.5	—	19.5	— 1.6	21.6	— 2.4	19.3	— 2.1	37	—	34	— 8	17	— 9	24	— 7
RED SEA	Suez	26.1	—	25.9	— 0.7	34.0	— 0.6	30.4	+ 0.7	—	—	23.2	+ 0.8	23.2	+ 0.2	24.6	+ 2.0	—	—	79	+11	37	+ 3	60	+ 8
	Tor	26.3	—	27.5	— 0.3	30.9	— 1.0	29.9	— 0.7	22.9	—	23.6	— 0.1	24.1	— 0.5	23.0	— 0.8	73	—	71	+ 1	54	+ 1	53	— 1
	Hurghada	26.9	— 0.7	29.4	+ 0.8	31.7	+ 0.8	29.6	— 0.2	18.4	— 1.4	21.6	— 1.4	23.7	— 1.0	22.3	— 0.4	40	— 6	47	—13	49	— 9	51	— 1
	Quseir	27.7	—	30.5	— 0.6	31.2	— 0.5	28.9	— 0.9	19.7	—	22.3	— 0.9	24.4	— 1.1	23.3	— 0.2	43	—	46	— 3	55	— 4	61	+ 4
	Abul Kizan	28.6	—	30.9	+ 0.1	31.2	— 0.3	29.5	+ 0.2	—	—	26.8	+ 0.2	27.1	+ 0.1	27.2	+ 0.4	—	—	71	0	71	+ 2	83	+ 2

TABLE A 3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

JULY 1961

District	Station	Atmospheric pressure (mb.): Derivation of the mean values a, b, c, d	Station Pressure (corrected to 1/p): Mean	Station Pressure: Dev. from normal	M. S. L. Pressure: Mean	M. S. L. Pressure: Dev. from normal	Air temperature (°C): Maximum (A): Mean	Maximum (A): Dev. from normal	Minimum (B): Mean	Minimum (B): Dev. from normal	(A + B)/2	Dry bulb: Derivation of the mean values a, b, c, d	Dry bulb: Mean	Dry bulb: Dev. from normal	Wet bulb: Derivation of the mean values a, b, c, d	Wet bulb: Mean	Wet bulb: Dev. from normal	Relative humidity %: Derivation of the mean values a, b, c, d	Relative humidity %: Mean	Relative humidity %: Dev. from normal
MEDITERRANEAN	Sallum	a	10.0	+ 0.2	10.5	+ 0.3	29.2	— 2.3	21.7	+ 1.1	25.4	a	25.7	— 0.1	a	21.3	— 0.1	a	66	0
	Sidi Barrani	a	7.4	+ 0.1	10.0	+ 0.1	27.5	— 0.9	21.6	— 0.3	24.6	a	24.8	— 0.1	a	22.0	+ 0.2	a	77	+ 2
	Mersa Matruh (A)	a	6.4	— 0.6	10.1	— 0.6	29.2	+ 0.4	20.4	— 0.2	24.8	a	24.7	— 0.5	a	21.4	— 0.8	a	73	— 3
	Dabaa	a	7.2	—	9.2	—	27.8	— 1.7	21.1	+ 0.2	24.4	a	24.9	— 0.1	a	20.9	— 1.0	a	68	— 7
	Dekheila (A)	a	8.2	—	8.8	—	28.3	+ 0.5	23.1	+ 0.3	25.7	a	25.5	—	a	21.9	—	a	71	—
	Alexandria (A)	a	7.8	— 0.4	8.6	— 0.4	29.8	+ 0.3	22.6	— 0.1	26.2	a	25.9	— 0.1	a	22.3	— 0.2	a	72	— 1
	Balteam	a	7.8	—	8.0	—	30.1	—	22.3	—	26.2	a	26.[illegible]	—	a	22.1	—	a	70	—
	Damietta	a	5.8	— 2.0	6.2	— 2.0	30.7	+ 0.3	21.2	— 0.1	26.4	a	25.9	+ 0.1	a	22.7	— 0.3	a	75	— 3
	Port Said (A)	a	6.6	— 0.4	7.3	— 0.4	29.8	— 0.5	24.0	— 0.2	26.9	a	26.5	— 0.2	a	22.9	— 0.4	a	72	— 2
	El Arish	a	5.5	— 0.3	6.7	— 0.3	31.3	0.2	21.8	— 0.7	26.0	a	26.3	+ 0.3	a	22.8	+ 0.7	a	73	0
	Ghazza	a	5.3	—	7.2	—	29.0	— 1.0	21.4	+ 0.7	25.4	a	25.8	—	a	23.4	—	a	81	—
LOWER EGYPT	El Sirw	—	—	—	—	—	32.7	+ 0.2	20.6	+ 0.7	26.6	c	25.9	— 0.1	c	22.6	— 0.3	c	74	— 2
	Shakha	—	—	—	—	—	34.0	0.0	19.8	+ 0.8	26.9	c	26.3	+ 0.2	c	23.1	+ 0.1	c	75	— 1
	Mansoura	a	7.7	+ 0.2	8.1	+ 0.2	33.3	— 1.6	19.0	— 1.6	26.2	a	25.9	— 0.9	a	21.6	— 1.3	a	67	— 3
	Damanhour	c	7.7	— 0.2	8.3	— 0.3	31.7	— 0.9	19.8	— 0.5	25.8	c	25.5	— 0.4	c	23.0	+ 0.4	c	80	+ 6
	Gimmeiza	c	7.5	+ 0.1	8.5	+ 0.1	35.2	+ 0.6	19.3	0.0	27.2	c	26.6	+ 0.4	c	24.9	+ 1.6	c	86	+ 9
	Tanta	a	6.1	— 0.9	7.3	— 1.0	34.6	+ 0.1	20.5	+ 1.4	27.6	a	26.9	+ 0.6	a	21.7	— 0.7	a	61	— 9
	Tahrir	a	5.8	—	8.0	—	34.6	— 0.1	20.5	0.0	27.6	a	26.6	—	a	20.9	—	a	58	—
	Shebin El Kom	c	5.9	— 0.7	8.2	— 0.7	33.6	— 2.0	18.6	— 2.0	26.1	c	26.1	— 0.8	c	22.4	+ 0.5	c	72	—
	Zagazig	c	6.7	— 0.3	8.3	— 0.3	33.8	— 1.2	20.5	+ 0.6	27.2	c	26.4	— 0.4	c	22.5	— 0.5	c	68	+ 9
	Abu Sueir (A)	a	6.0	—	7.8	—	36.4	—	21.6	—	29.0	a	28.1	—	a	21.3	—	a	52	0
	Zaher (A)	a	3.3	—	6.8	—	34.9	—	21.2	—	28.0	a	27.4	—	a	21.3	—	a	56	—
	Wadi El Natrun	a	8.6	+ 0.8	8.7	+ 0.8	35.9	— 0.5	19.8	— 0.8	27.8	a	27.5	— 0.1	a	20.4	— 1.8	a	49	— 12
	Inshas (A)	a	3.8	—	6.8	—	34.1	—	20.8	—	27.4	a	27.0	—	a	21.0	—	a	56	—
	Fayed (A)	a	5.3	—	7.7	—	36.6	—	21.9	—	29.2	a	28.7	—	a	21.2	—	a	49	—
	Kabrit (A)	a	6.2	—	7.5	—	35.4	—	22.7	—	29.0	a	28.1	—	a	21.6	—	a	54	—
CAIRO AREA	Cairo (A)	a	0.3	— 0.3	7.6	— 0.4	34.5	— 1.2	21.2	— 0.4	27.4	a	27.4	— 0.7	a	20.9	— 0.2	a	54	+ 2
	Mostafa Helmi (A)	a	989.1	—	7.7	—	33.8	—	20.1	—	27.0	a	26.4	—	a	20.0	—	a	53	—
	Almaza (A)	a	998.5	— 0.6	7.5	— 0.4	34.6	— 1.0	21.0	— 0.8	27.8	a	27.3	— 1.2	a	20.6	— 1.3	a	52	— 2
	Abbasiya (H.Q.)	a	5.5	—	8.5	—	35.4	—	22.2	—	28.8	a	27.8	—	a	22.1	—	a	59	—
	Imbaba (A)	a	5.6	—	7.7	—	34.6	—	20.4	—	27.5	a	27.3	—	a	21.4	—	a	57	—
	Giza	a	5.0	— 0.4	7.8	— 0.3	34.3	— 1.4	21.1	+ 1.3	27.7	a	27.1	— 0.2	a	21.0	— 0.9	a	56	— 4
	Helwan	d	994.4	+ 0.1	7.6	+ 0.1	34.4	— 1.1	21.0	— 0.3	27.7	c	27.0	+ 0.2	c	20.9	+ 0.8	c	56	+ 5

a—the 24 hours mean b—8 synoptic hours mean c—4 main synoptic hours mean d—06, 12 and 18 U.T. hours mean e—06 and 18 U.T. hours mean

TABLE A 3 (*contd.*)—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

JULY 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a,b,c,d	Station Pressure (corrected to Hp)		M. S. L. Pressure		Maximum (A)		Minimum (B)		(A + B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a,b,c,d	Mean	Dev. from normal	Deriv. of the mean values a,b,c,d	Mean	Dev. from normal			
UPPER EGYPT	Fayoum	a	4.8	+ 0.5	7.7	+0.5	36.6	0.0	21.2	0.0	28.9	a	28.8	+0.6	a	20.7	−0.4	a	45	− 6
	Beni Suef	a	3.8	0.0	7.1	+0.1	36.7	−0.2	20.7	+0.6	28.7	a	28.4	−0.2	a	20.3	−1.0	a	45	− 5
	Seds	—	—	—	—	—	35.7	−0.9	19.9	+0.4	27.8	c	26.9	−0.8	c	21.6	−0.6	c	61	+ 1
	Minya ... ... (A)	a	1.5	−1.4	6 2	− 1.2	36.0	−1.0	20.7	+0 5	28.4	a	28.2	−0.4	a	20.0	−0.4	a	43	− 1
	Maliawi	—	—	—	—	—	34.5	—	19.1	—	26.8	c	26.9	—	c	22.0	—	c	64	—
	Asyout (Mangabad) ... ... (A)	a	998.9	0.0	6.8	0.0	35.6	−1.6	22.0	−0.4	28.8	a	29.0	−0.9	a	19.5	+0.1	a	37	+ 4
	Shandaweel	—	—	—	—	—	36.4	−1.1	20 5	0.0	28.4	c	28.3	−0.6	c	23 0	+0.8	c	62	+ 8
	Nag Hammadi	c	997.4	−0.7	5.4	−0.7	37.5	0.0	21.3	+0.6	29.4	c	28.8	0.0	c	22.5	+1.9	c	56	+11
	Kena	c	997.1	+0.1	5.4	0 0	38.2	−2.7	24.1	−0.1	31.2	c	31.2	− 0.7	c	—	—	—	—	—
	Luxor ... ... (A)	a	994.6	−0.5	4.4	−0.6	40.3	−0.6	24.0	+0.2	32.3	a	32.5	−0.5	a	19.8	0.0	a	26	+ 2
	Kom Ombo	a	993.3	—	4.8	—	41.8	—	22.1	—	32.0	a	32.8	—	a	19.1	—	a	22	—
	Aswan ... ... (A)	a	982.5	−1.4	3.9	−1.5	41.0	−0.4	24.9	−0.7	33.0	a	33.6	+0·2	a	18.1	−2.3	a	15	−11
WESTERN DESERT	Siwa	a	11.4	− 0.8	9.8	−0.8	37.0	−0.8	20.5	−1.0	28.8	a	28.9	−0.3	a	18.9	−0 3	a	34	0
	Babariya	a	993.4	−1.5	7.8	−1.3	36 4	−0.3	20.3	0.0	28.4	a	28 6	+0.6	a	19.8	−0.7	a	40	− 7
	Farafra	a	993.9	+0.9	9.9	+1.0	36.1	−1 5	20.9	−0.1	29.0	a	28 9	+0.1	a	16.2	−2.0	a	20	−10
	Dakhla	a	993.3	−0.9	5.8	−0.9	37.3	−1.1	21.5	−1.9	29.4	a	30.1	− 0.8	a	17.4	−1.6	a	23	− 5
	Kharga	a	997.4	−1.8	5.6	−1.6	39.3	0.0	22 0	−1.5	30.6	a	31.2	−0.1	a	19.2	−1.2	a	27	− 6
RED SEA	Suez...	c	6.4	−0.2	7.6	−0.2	36.1	−0.3	22.2	−0.5	29.2	c	29 1	+0.6	c	25.0	+2.1	c	70	+10
	Tor	a	3 6	−1.5	4.0	−1.5	33.4	−1.3	24.7	+0.3	29.0	a	28.6	−0.1	a	23 5	+0.1	a	63	+ 1
	Hurghada	a	4.4	+0.5	4.6	+0.4	33.4	+0.9	25.1	+0.3	29.2	a	29.5	+0.1	a	21.5	−0.7	a	46	− 5
	Quseir	a	3 0	−1.5	4.0	−1.5	32.2	−1.2	26.0	−0.3	29.1	a	29.4	−0.3	a	22.3	−0.3	a	51	− 1
	Abul Kizan	c	4.2	—	4.8	—	32.9	+0.1	28.3	+0.1	30.6	c	30.3	+0.3	c	26.8	+0.4	c	77	+ 1

a=the 24 hours mean. b=8 synoptic hours mean. c=4 main synoptic hours mean. d=06·12 & 18 U.T. hours mean. e=03 & 18 U.T. hours mean.

TABLE A 4.—MAXIMUM AND MINIMUM AIR TEMPERATURES

JULY 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
MEDITERRANEAN	Sallum	33.7	18	27.2	11	31	15	0	0	0	23.8	25	19.8	4	0	0	0	0
	Sidi Barrani	28.9	24	26.5	20	31	0	0	0	0	23.9	25	20.2	8·17	0	0	0	0
	Mersa Matruh ... ... (A)	31.1	25	28.0	3	31	6	0	0	0	23.5	27	18.7	14	0	0	0	0
	Dabaa	30.2	17	27.0	2	31	1	0	0	0	23.2	31	17.8	15	0	0	0	0
	Dekheila ... ... (A)	29.2	26	26.8	2	31	0	0	0	0	24.3	26	19.5	18	0	0	0	0
	Alexandria ... ... (A)	30.9	22	29.0	2·4	31	10	0	0	0	23.9	27	19.0	18	0	0	0	0
	Balteam	33.1	25	27.9	3·4	31	7	0	0	0	23.9	27·28	20.5	15·23	0	0	0	0
	Damietta	35.3	26	29.0	3·11	31	22	1	0	0	23.7	29	19.0	16	0	0	0	0
	Port Said ... ... (A)	31.8	16	27.5	4	31	10	0	0	0	25.8	25·26	22.4	13	0	0	0	0
	El Arish	32.1	16	28.4	3	31	21	0	0	0	26.8	28	20.2	16·17	0	0	0	0
	Ghazza	30.3	26	28.0	3·5·14	31	1	0	0	0	23.5	2	19·4	22	0	0	0	0
LOWER EGYPT	El Sirw	35.8	26	29.4	3	31	28	4	0	0	22.5	1·7·8·9	18.5	6	0	0	0	0
	Sakha	38.5	25	30.3	4	31	31	9	0	0	22.3	27	17.0	4·6	0	0	0	0
	Mansoura	36.5	26	30.2	3	31	31	4	0	0	22.6	1	16.5	15	0	0	0	0
	Damanhour	34.6	16·25	28.6	3	31	26	0	0	0	22.4	1	17.9	6	0	0	0	0
	Gimmeiza	38.5	26	32.0	4	31	31	15	0	0	23.0	1·17	17.0	4·6·7	0	0	0	0
	Tanta	38.0	25	31.2	3	31	31	14	0	0	22.9	1	18.6	4	0	0	0	0
	Tahrir	38.5	16	30.7	3	31	31	13	0	0	23.3	26	18.2	6	0	0	0	0
	Shebin El Kom	37.5	25	30.5	3	31	31	4	0	0	25.5	1	16.5	6·18	0	0	0	0
	Zagazig	37.1	25	30.8	3	31	31	5	0	0	23.0	8	18.6	6	0	0	0	0
	Abu Sueir ... ... (A)	39.7	26	32.5	4	31	31	24	0	0	23.6	27	19.7	7·18	0	0	0	0
	Zaher ... ... (A)	38.6	25	32.2	3·4	31	31	14	0	0	23.4	1	19.7	4	0	0	0	0
	Wadi El Natrun	39.6	25	33.7	12	31	31	21	0	0	23.7	26	17.5	4·18	0	0	0	0
	Inshas ... ... (A)	38.0	25	31.0	3	31	31	8	0	0	23.2	1	19.3	4	0	0	0	0
	Fayed ... ... (A)	40.0	25·26	33.0	4	31	31	27	0	0	24.0	27	14.6	3	0	0	0	0
	Kabrit ... ... (A)	39.5	26	32.5	4	31	31	20	0	0	24.8	27	19.9	14	0	0	0	0
CAIRO AREA	Cairo ... ... (A)	38.4	25	31.5	3	31	31	11	0	0	22.9	29	19.7	12	0	0	0	0
	Mostafa Helmi ... ... (A)	36.6	26	30.7	4	31	31	9	0	0	22.0	1	18.0	6·7	0	0	0	0
	Almaza ... ... (A)	37.5	18·25	31.3	3	31	31	11	0	0	23.5	27	19.5	6	0	0	0	0
	Abbasiya ... ...(H.Q.)... ...	37.7	26	32.0	4	31	31	18	0	0	23.3	27	19.6	4	0	0	0	0
	Imbaba ... ... (A)	37.4	25·26	31.4	3	31	31	11	0	0	23.6	29	17.4	4	0	0	0	0
	Giza	37.0	26	31.5	3	31	31	7	0	0	23.2	1	18.4	4	0	0	0	0
	Helwan	39.4	25	30.7	4	31	31	11	0	0	22.7	9·27	18.9	3	0	0	0	0

TABLE A 4 (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES,

JULY 1961

District	Station.	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
UPPER EGYPT	Fayoum	40.0	26	33.4	3	31	31	27	0	0	22.8	9	19.2	6	0	0	0	0
	Bani Suef	40.4	26	33.5	3	31	31	26	1	0	23.4	27	18.4	7	0	0	0	0
	Seds	39.3	25	32.3	3	31	31	21	0	0	22.3	9·25	17.7	7·13	0	0	0	0
	Minya (A)	39.2	25	32.8	4	31	31	19	0	0	23.2	10	17.5	23	0	0	0	0
	Mallawi	39.0	9	31.5	4	31	31	10	0	0	22.0	27	16.0	23	0	0	0	0
	Asyout (Mangabad) (A)	38.5	26	32.5	4	31	31	19	0	0	23.9	26	20.4	5·28	0	0	0	0
	Shandaweel	39.0	19	33.0	13	31	31	23	0	0	24.5	27	17.2	23	0	0	0	0
	Nag Hammadi	40.0	9·17·19	34.4	4	31	31	27	0	0	23.5	27.28	19.0	14	0	0	0	0
	Kena	41.0	25·26	34.0	12	31	31	29	3	0	26.5	27	20.7	14·23	0	0	0	0
	Luxor (A)	45.3	26	36.8	13	31	31	31	21	1	28.0	27	20.3	14	0	0	0	0
	Kom Ombo	46.4	26	37.5	4	31	31	31	23	1	29.0	28	18.4	13	0	0	0	0
	Aswan (A)	45.5	26	37.4	4	31	31	31	21	2	29.0	27	21.6	12	0	0	0	0
WESTERN DESERT	Siwa	40.0	31	33.6	3	31	31	28	0	0	22.7	27	18.7	19	0	0	0	0
	Bahariya	35.5	18	33.1	12	31	31	25	0	0	22.0	10	17.5	14	0	0	0	0
	Farafra	39.0	19	32.5	4	31	31	21	0	0	23.7	1	18.3	6	0	0	0	0
	Dakhla	39.8	16	33.9	4	31	31	28	0	0	26.9	26	17.4	23	0	0	0	0
	Kharga	43.1	26	35.0	4	31	31	30	11	0	27.7	26	17.6	15	0	0	0	0
RED SEA	Suez	40.4	26	32.7	3	31	31	21	1	0	24.4	26	20.2	3	0	0	0	0
	Tor	38.0	1	29.9	5	31	30	3	0	0	26.8	20	21.8	17	0	0	0	0
	Hurgnada	35.6	20	30.4	5	31	31	3	0	0	27.6	26	21.2	17	0	0	0	0
	Quseir	35.0	23	30.0	5	31	30	0	0	0	28.3	25·29	24.0	13	0	0	0	0
	Abul Kizan	35.2	17	30.9	4	31	31	1	0	0	29.8	16	26.5	1	0	0	0	0

* = More than three days

TABLE A 5.—RAINFALL AND SNOW DEPTH

JULY 1931

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	<0.1	≥0.1	≥1.0	≥5.0	≥10	≥25	≥50		
MEDITERRANEAN	Salum	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Sidi Barrani	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mersa Matruh (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dabaa	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dekheila (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Alexandria (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Balteam	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Damietta	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Port Said (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	El Arish	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Ghazza	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Ras El Hikma	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Fuka	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Hammam	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Borg El Arab	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Amria	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mex	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolombat El Tabia	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kom El Tarfaia	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Rosetta L.H.	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Borollos L.H.	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Damietta L.H.	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
LOWER EGYPT	El Sirw	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Sakha	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mansoura	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Damanhour	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Gimmeiza	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tanta	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tahrir	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Shebin El Kom	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Zagazig	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abu Sueir (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Zaher (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Wadi El Natrun	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Inshas (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Fayed (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kabrit (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolombat El Boseili	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Dawar	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Sheikh	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Zayat	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Fraqus	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
CAIRO AREA	Cairo (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Moetafa Helmi (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Almaza (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abbasiya (H.Q.)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Imbaba (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Giza	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Helwan	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—

TABLE A 5 (*contd.*)—RAINFALL AND SNOW DEPTH.

JULY 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	< 0.1	≥ 0.1	≥ 1.0	≥ 5.0	≥ 10	≥ 25	≥ 50		
UPPER EGYPT	Fayoum	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0·0	—
	Beni Suef	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Seds	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Minya ... ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mallawi	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Asyout (Mangabad) ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Shandaweel	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Nag Hammadi	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kena	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Luxor ... ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kom Ombo	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Aswan ... ... (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
WESTERN DESERT	Siwa	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Bahariya	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Farafra	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dakhla	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kharga	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0·0	—
RED SEA	Suez...	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tor	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Hurghada	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Quseir	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abul Kizan	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—

TABLE A6.—BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT & BLACK BULB TEMPERATURES AND GRASS MINIMUM

JULY 1961

District	Station	Duration of bright sunshine (hours)			Mean sky cover (oktas)								Mean daily evaporation Picho (millimetres)	Mean Maximum temp. °(C) of		Mean Grass minimum (°C)
		Total actual	Total possible	Percentage %	0000 U.T.		0600 U.T.		1200 U.T.		1800 U.T.			Black bulb thermometer	Bright bulb thermometer	
					Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal				
MEDITERRANEAN	Salhum	—	—	—	0.2	—	0.3	—	0.3	—	0.2	—	9.8	—	—	21.4
	Sidi Barrani	—	—	—	—	—	1.8	—	1.0	—	1.7	—	5.4	—	—	—
	Mersa Matruh (A)	378.4	433.6	87.3	0.8	—	2.2	—	1.2	—	1.7	—	8.7	—	—	—
	Dabaa	—	—	—	—	—	1.9	—	0.6	—	1.1	—	3.9	—	—	—
	Dekheila (A)	—	—	—	2.2	—	2.8	—	1.4	—	1.9	—	5.3	—	—	—
	Alexandria (A)	378.1	432.3	87.4	3.4	—	2.6	—	2.1	—	2.1	—	4.1	—	—	—
	Balteam	—	—	—	—	—	1.5	—	0.9	—	1.1	—	4.9	—	—	—
	Damietta	—	—	—	—	—	2.5	—	0.2	—	0.4	—	3.9	—	—	—
	Port Said (A)	353.6	432.3	81.8	0.9	—	3.0	—	0.1	—	0.4	—	5.1	—	—	—
	El Arish	—	—	—	2.0	—	2.0	—	0.1	—	0.9	—	4.6	—	—	—
	Ghazza	366.8	433.6	84.6	1.7	—	2.9	—	0.6	—	1.3	—	4.5	—	—	—
LOWER EGYPT	El Sirw	—	—	—	—	—	1.2	—	0.6	—	0.0	—	4.2	—	—	—
	Sakha	—	—	—	—	—	1.5	—	1.0	—	0.1	—	4.8	—	—	18.9
	Mansoura	—	—	—	—	—	1.8	—	0.5	—	—	—	6.0	—	—	—
	Damanhour	—	—	—	—	—	2.4	—	1.1	—	0.5	—	3.4	—	—	—
	Gimmeiza	368.3	431.0	85.5	—	—	1.4	—	0.4	—	0.0	—	6.0	—	—	—
	Tanta	373.0	431.0	86.5	—	—	2.3	—	0.6	—	0.1	—	7.5	67	46	—
	Talrir	381.6	431.0	88.5	—	—	1.7	—	0.4	—	0.1	—	9.2	—	—	19.5
	Shebin El Kom	—	—	—	—	—	2.5	—	0.3	—	0.1	—	4.1	—	—	—
	Zagazig	365.7	431.0	84.8	—	—	3.3	—	1.8	—	0.0	—	5.2	—	—	—
	Abu Sueir (A)	—	—	—	1.4	—	2.3	—	0.4	—	0.0	—	11.4	74	—	20.9
	Zaher (A)	—	—	—	—	—	2.6	—	0.5	—	0.0	—	9.4	—	—	—
	Wadi El Natrun	—	—	—	—	—	1.4	—	0.1	—	0.1	—	8.3	—	—	—
	Inshas (A)	—	—	—	—	—	3.2	—	0.2	—	0.0	—	9.2	—	—	—
	Fayed (A)	—	—	—	—	—	2.7	—	0.0	—	0.0	—	16.4	—	—	—
	Kabrit (A)	—	—	—	—	—	3.1	—	0.0	—	0.0	—	13.2	—	—	—
CAIRO AREA	Cairo (A)	—	—	—	1.2	—	4.1	—	0.2	—	0.1	—	12.8	—	—	—
	Mostafa Helmi (A)	—	—	—	1.1	—	1.6	—	0.2	—	0.1	—	12.7	—	—	—
	Almaza (A)	348.9	430.0	81.1	1.1	—	3.4	—	0.1	—	0.0	—	9.2	—	—	—
	Abbasiya (H.Q.)	359.2	430.0	83.5	1.0	—	3.7	—	0.0	—	0.0	—	6.5	72	48	—
	Imbaba (A)	—	—	—	—	—	3.3	—	0.1	—	—	—	7.8	—	—	—
	Giza	365.4	430.0	85.0	—	—	2.7	—	0.1	—	0.0	—	9.5	—	—	18.0
	Helwan	379.7	429.8	88.3	—	—	1.4	—	0.0	—	0.0	—	13.7	—	—	—
UPPER EGYPT	Fayoum	—	—	—	—	—	0.8	—	0.0	—	0.1	—	10.6	—	—	—
	Beni Suof	—	—	—	—	—	1.2	—	0.0	—	0.1	—	8.4	—	—	18.7
	Seds	—	—	—	—	—	0.8	—	0.0	—	0.0	—	6.9	—	—	11.4
	Minya (A)	—	—	—	0.0	—	0.5	—	0.1	—	0.1	—	12.9	70	46	18.9
	Mallawi	—	—	—	—	—	0.3	—	0.0	—	0.0	—	5.1	—	—	17.9
	Asyout (Mangabad) (A)	—	—	—	0.0	—	0.2	—	0.3	—	0.3	—	16.7	74	50	21.0
	Shandaweel	—	—	—	—	—	0.0	—	0.0	—	0.0	—	6.1	—	—	12.6
	Nag Hammadi	—	—	—	—	—	0.0	—	0.0	—	0.0	—	8.0	—	—	20.7
	Kena	—	—	—	—	—	0.1	—	0.3	—	0.1	—	8.2	—	—	21.2
	Luxor (A)	—	—	—	0.3	—	0.5	—	0.6	—	0.4	—	14.0	72	52	21.1
	Kom Ombo	—	—	—	—	—	0.2	—	0.7	—	0.7	—	11.5	—	—	16.9
	Aswan (A)	—	—	—	0.6	—	1.2	—	1.1	—	1.0	—	23.6	—	—	—
WESTERN DESERT	Siwa	—	—	—	0.0	—	0.4	—	0.7	—	0.3	—	15.5	79	50	18.7
	Bahariya	—	—	—	0.2	—	0.7	—	0.5	—	0.5	—	9.8	—	—	—
	Farafra	—	—	—	0.6	—	0.1	—	0.6	—	0.0	—	21.2	—	—	—
	Dakhla	—	—	—	0.0	—	0.5	—	0.7	—	0.3	—	21.9	—	52	17.0
	Kharga	—	—	—	0.0	—	0.3	—	0.8	—	0.6	—	14.1	—	—	19.0
RED SEA	Suez	—	—	—	—	—	1.6	—	0.0	—	0.0	—	12.1	—	—	—
	Tor	—	—	—	0.1	—	0.4	—	0.9	—	0.8	—	8.0	—	—	—
	Hurghada	—	—	—	0.1	—	0.4	—	0.4	—	0.6	—	19.0	—	—	—
	Quseir	—	—	—	0.6	—	0.5	—	0.9	—	0.5	—	15.1	—	—	—
	Abul Kizan	—	—	—	—	—	1.9	—	2.4	—	1.8	—	3.5	—	—	—

TABLE A 7.—SOIL TEMPERATURES (°C) AT FIXED HOURS

JULY 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
MEDITERRANEAN	Mersa Matruh... (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	28.8	29.7	28	27.8	23	28.8	29.6	10	28.3	5	28.6	29.8	31	28.0	7	28.8	29.6	27	28.0	4
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	31.6	31.8	27	30.2	10	31.1	31.8	27	30.7	4·5·6	31.0	31.8	27	30.5	3·4·6	31.5	31.5	*	30.5	3
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LOWER EGYPT	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	26.[illegible]	28.0	31	26.0	*	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	27.7	28.3	30	26.5	8	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza ...	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	36.7	39.0	*	35.0	12	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	31.1	32.6	29,30,31	30.5	*	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	28.7	30.2	26	27.5	4	36.6	38.2	26	35.1	4	33.8	35.3	26	32.2	4
		10	—	—	—	—	—	30.9	32.2	27	30.0	*	34.5	35.8	26	33.0	4	34.5	35.4	26	33.0	4
		20	—	—	—	—	—	30.6	31.5	26	30.0	5	30.8	31.8	26	30.1	4	31.6	32.3	26·27	30.3	4
		50	—	—	—	—	—	30.9	32.8	30	31.4	5	31.8	32.6	*	31.3	5·8	31.8	32.5	*	31.3	*
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS

JULY 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
LOWER EGYPT (*contd.*)	Tahrir	5	—	—	—	—	—	28.4	30.6	17	27.0	5	45.2	48.8	16	42.0	3	33.8	36.4	15	28.0	21
		10	—	—	—	—	—	28.0	30.5	17	26.4	6	39.5	41.8	16	37.4	4	36.1	38.4	16	33.8	3
		20	—	—	—	—	—	30.6	32.0	26.2	29.1	7	33.0	34.5	17	31.5	5	35.1	36.4	16	33.5	4
		50	—	—	—	—	—	32.0	32.8	27	31.5	5·6·7	31.6	32.4	27	30.8	7	31.8	32.5	26·27	31.0	6·7
		100	—	—	—	—	—	30.4	31.0	[illegible]	30.0	7·8·9	—	—	—	—	—	30.4	31.0	*	30.0	7·8
		200	—	—	—	—	—	28.0	28.6	30.31	27.2	1	—	—	—	—	—	28.0	28.6	29·30	27.4	1·2·3
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	32.1	33.0	1	31.5	15·16·21	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	28.8	30.0	14	27.5	28	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	26.8	29.5	14	24.0	2	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CAIRO AREA	Giza	5	—	—	—	—	—	30.1	31.5	17	29.0	4·7	43.[illegible]	45.6	17	42.5	6	36.8	38.4	1	35.0	3
		10	—	—	—	—	—	31.0	32.0	27	29.7	7	36.8	38.1	17	35.7	1·6	37.0	38.0	1·17	35.8	3·4·6
		20	—	—	—	—	—	32.8	33.4	27	32.0	7	33.6	33.5	[illegible]	32.2	6·7	33.2	33.8	17	33.4	6
		50	—	—	—	—	—	32.7	33.2	*	32.2	7	32.7	33.2	29	32.2	*	32.6	33.1	27·29	32.1	5·6·7
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
UPPER EGYPT	Seds	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	26.8	27.7	26	25.5	3	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya ... (A)	5	31.1	33.4	7	28.0	13	28.9	30.0	10	27.7	11	38.2	40.0	[illegible]	35.0	5	35.7	37.2	17	33.0	4
		10	33.4	35.0	25·26	31.9	15	31.6	33.0	10	30.3	7	35.5	36.5	*	34.1	5	36.1	38.0	23	34.0	4
		20	33.1	34.0	*	32.0	1	32.4	33.0	*	31.2	5	32.9	34.5	26	32.0	6·7	33.7	36.5	23	32.0	7
		50	32.9	33.6	26	32.0	7	32.8	33.3	*	32.1	7	32.8	33.3	26	32.0	6·7	32.9	33.5	[illegible]	32.0	6·7
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* = More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS

JULY 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
UPPER EGYPT (*contd.*)	Mallawi ..	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	28.1	28.2	*	28.0	*	28.1	28.2	*	28.0	*	28.1	28.2	*	28.0	*
		100	—	—	—	—	—	26.8	27.0	*	26.7	*	26.8	27.0	*	26.7	*	26.8	27.0	*	26.7	*
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandawel ...	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	31.5	32.5	27,30,31	30.5	1	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	28.9	29.5	*	27.0	12	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo ..	5	—	—	—	—	—	37.3	41.6	5	35.0	22	55.8	60.0	8	52.2	4	36.3	40.2	29	32.0	5
		10	—	—	—	—	—	34.6	43.2	3	32.2	15	47.3	49.0	8	44.3	4	37.3	46.4	6	35.0	5
		20	—	—	—	—	—	33.7	36.5	28	32.0	14	39.9	42.1	27	38.4	6	36.0	38.4	30	33.5	5
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* = More than three days.

TABLE A 8.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

JULY 1961

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres	Dust rising/Sand rising vis. ≥ 1000 metres	Duststorm/Sandstorm vis. < 1000 metres	Drifting snow: Slight/moderate vis. below eye level ≥ 1000 metres	Drifting snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing snow: Slight/moderate vis. below eye level ≥ 1000 metres	Blowing snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear Sky	Cloudy Sky
MEDITERRANEAN	Sallum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	Sidi Barrani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Mersa Matruh (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0
	Dabaa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Dekheila (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0
	Alexandria (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0
	Baltim	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Damietta (A)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	—	—
	Port Said (A)	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	25	0
	El Arish	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	22	0
	Ghazza	0	0	0	0	0	0	6	4	0	0	0	0	0	0	0	0	0	21	0
LOWER EGYPT	El Sirw	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Damanhour	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	—	—
	Shebin El Kom	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Zagazig	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	0	0	0	0	0	0	9	2	1	0	0	0	0	0	0	0	0	26	0
	Zaher (A)	0	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	—	—
	Wadi El Natrun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Inshas (A)	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0	0	0	—	—
	Fayed (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Kabrit (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
CAIRO AREA	Cairo (A)	0	0	0	0	0	0	18	5	9	0	0	0	0	0	0	0	0	24	0
	Mostafa Helmi (A)	0	0	0	0	0	0	19	0	6	0	1	0	0	0	0	0	0	28	0
	Almaza (A)	0	0	0	0	0	0	14	4	9	0	0	0	0	0	0	0	0	25	0
	Abbasiya (HQ)	0	0	0	0	0	0	5	2	0	0	0	0	0	0	0	0	0	25	0
	Imbaba (A)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	—	—
	Giza	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Helwan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 8 (*contd.*)—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

JULY 1961

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres	Fog vis. < 1000 metres	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres	Dust rising/Sand rising vis. < 1000 metres	Duststorm/Sandstorm vis. < 1000 metres.	Drifting snow: Slight/moderate vis. below eye level ≥ 1000 metres	Drifting snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing snow: Slight/moderate vis. below eye level ≥ 1000 metres	Blowing snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear Sky	Cloudy Sky
Upper Egypt	Fayoum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Beni Suef	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Seds	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad) (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor (A)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	30	0
	Kom Ombo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Aswan (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0
Western Desert	Siwa	0	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0	0	31	0
	Bahariya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	Farafra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	Kharga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	Hurghada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	Quseir	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	29	0
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

JULY 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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	5	0	0	1-10	12	0	0	0	0	0	0	1	5	5	153	152	328
					11-27	10	0	0	0	0	0	0	0	0	0	84	317	411
					28-47	0	0	0	0	0	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	1	5	5	237	469	739
	Mersa Matruh (A)	2	0	0	1-10	11	1	0	0	0	0	0	0	12	115	69	63	271
					11-27	23	0	0	0	0	0	0	0	0	5	131	312	471
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	34	1	0	0	0	0	0	0	12	120	200	375	742
	Dekheila ... (A)	0	0	0	1-10	392	29	1	0	0	0	0	0	0	0	4	67	493
					11-27	222	10	0	0	0	0	0	0	0	0	0	19	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	614	39	1	0	0	0	0	0	0	0	4	86	744
	Alexandria ... (A)	1	0	0	1-10	38	0	0	0	0	0	0	0	0	13	131	392	574
					11-27	8	0	0	0	0	0	0	0	0	0	23	138	169
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	46	0	0	0	0	0	0	0	0	13	154	530	743
	Port Said ... (A)	0	0	0	1-10	13	23	4	0	2	3	4	5	39	62	83	114	478
					11-27	8	2	0	0	0	0	0	0	0	12	58	107	266
					28-47	0	0	0	0	0	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	25	4	0	2	3	4	5	39	74	141	221	744
	El Arish	5	3	1	1-10	47	36	7	0	1	28	22	100	71	33	124	191	660
					11-27	0	0	0	0	0	0	0	0	0	0	25	1	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	47	36	7	0	1	28	22	100	71	33	149	192	686
LOWER EGYPT	Tanta	2	0	0	1-10	1	1	0	0	0	0	3	74	173	224	204	57	737
					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	1	1	0	0	0	0	3	74	173	226	205	59	742
	Zaher .. (A)	6	3	5	1-10	11	21	4	3	1	0	0	2	53	110	166	208	687
					11-27	[illegible]	0	0	0	0	0	0	0	0	0	9	26	43
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	127	21	4	3	1	0	0	2	53	110	175	234	730
CAIRO AREA	Abu Suĕir .. (A)	59	14	3	1-10	86	2[illegible]	4	1	0	0	0	1	55	78	127	135	514
					11-27	53	24	1	0	0	0	0	0	0	8	23	45	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	139	51	5	1	0	0	0	1	55	86	150	180	668
	Cairo .. .. (A)	105	2	8	1-10	60	12	4	2	1	0	0	0	1	13	168	236	502
					11-27	13	4	0	0	0	0	0	0	0	1	35	74	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	79	16	4	2	1	0	0	0	1	14	203	310	629

TABLE A 9 (*contd*).— NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

JULY 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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
Cairo Area (*contd.*)	Mostafa Helmi (A)	0	0	0	1-10	75	65	2	0	0	0	0	0	0	3	46	171	362
					11-27	164	76	0	0	0	0	0	0	0	0	8	134	382
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**239**	**141**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**54**	**305**	**744**
	Almaza ... .. (A)	1	0	0	1-10	251	196	43	4	1	3	0	0	0	7	48	172	725
					11-27	5	13	0	0	0	0	0	0	0	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	**256**	**209**	**43**	**4**	**1**	**3**	**0**	**0**	**0**	**7**	**48**	**172**	**743**
	Abbasiya (H.Q) ..	30	0	0	1-10	204	31	3	0	0	0	0	0	0	20	132	324	714
					11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**204**	**31**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**132**	**324**	**714**
Upper Egypt	Giza	9	0	16	1-10	320	57	0	0	0	0	0	0	0	2	18	303	700
					11-27	12	1	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	**332**	**58**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**18**	**303**	**719**
	Minya ... ... (A)	19	5	0	1-10	232	183	2	0	1	1	7	1	2	4	9	54	496
					11-27	77	146	0	0	0	0	0	0	0	0	0	1	224
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**309**	**329**	**2**	**0**	**1**	**1**	**7**	**1**	**2**	**4**	**9**	**55**	**720**
Western Desert	Luxor .. .. (A)	27	9	0	1-10	89	26	1	1	0	1	13	86	113	85	130	155	699
					11-27	5	0	0	0	0	0	0	0	0	0	3	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	**94**	**26**	**1**	**1**	**0**	**1**	**13**	**86**	**113**	**85**	**133**	**155**	**708**
	Siwa	28	11	0	1-10	162	127	57	29	3	1	0	1	0	2	25	87	491
					11-27	90	85	3	0	0	0	0	0	0	0	1	32	211
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**252**	**212**	**60**	**29**	**3**	**1**	**0**	**1**	**0**	**2**	**26**	**119**	**705**
Red Sea	Dakhla	0	2	351	1-10	67	5	0	0	0	0	2	0	4	19	57	153	307
					11-27	23	4	0	0	0	0	0	0	0	0	1	56	84
					28-47	0	0	0	0	0	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**	**9**	**0**	**0**	**0**	**0**	**2**	**0**	**4**	**19**	**58**	**209**	**391**
	Hurghada	10	4	0	1-10	30	33	6	2	9	13	4	0	5	12	64	56	234
					11-27	199	20	0	0	0	0	0	0	0	4	50	217	490
					28-47	0	0	0	0	0	0	0	0	0	0	0	6	6
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**229**	**53**	**6**	**2**	**9**	**13**	**4**	**0**	**5**	**16**	**114**	**279**	**730**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SALLUM — JULY 1961

Hour (U.T.)	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	0	0	2	4	6
				11-27	2	0	0	0	0	0	0	0	0	1	3	15	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	0	0	0	0	0	0	0	0	1	5	19	27
0300	4	0	0	1-10	0	0	0	0	0	0	0	0	0	1	1	5	7
				11-27	3	0	0	0	0	0	0	0	0	1	3	13	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	0	0	0	0	0	0	0	0	2	4	18	27
0600	3	0	0	1-10	4	0	0	0	0	0	0	0	0	1	1	5	11
				11-27	1	0	0	0	0	0	0	0	0	2	3	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	5	0	0	0	0	0	0	0	0	3	4	16	28
0900	0	0	0	1-10	1	3	1	0	0	0	0	0	0	0	0	3	8
				11-27	11	5	0	1	0	0	0	0	0	0	2	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	12	8	1	1	0	0	0	0	0	0	2	7	31
1200	0	0	0	1-10	2	0	0	0	0	0	0	0	0	0	0	0	2
				11-27	17	10	0	0	0	0	0	0	0	0	0	2	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	19	10	0	0	0	0	0	0	0	0	0	2	31
1500	0	0	0	1-10	2	0	0	0	0	0	0	0	0	0	0	0	2
				11-27	18	5	0	0	0	0	0	0	0	0	0	6	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	20	5	0	0	0	0	0	0	0	0	0	6	31
1800	0	0	0	1-10	3	3	0	0	0	0	0	0	0	0	1	7	14
				11-27	7	0	0	0	0	0	0	0	0	0	0	10	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	3	0	0	0	0	0	0	0	0	1	17	31
2100	2	0	0	1-10	4	0	0	0	0	0	0	0	0	0	5	3	12
				11-27	4	0	0	0	0	0	0	0	0	1	1	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	8	0	0	0	0	0	0	0	0	1	6	14	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MERSA MATRUH (A) — JULY 1961

Hour (U.T.)	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	1	12	3	5	21
				11-27	1	0	0	0	0	0	0	0	0	0	3	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	1	0	0	0	0	0	0	0	1	12	6	11	31
0300	0	0	0	1-10	0	0	0	0	0	0	0	0	4	17	3	1	25
				11-27	1	0	0	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0	4	18	3	5	31
0600	0	0	0	1-10	0	0	0	0	0	0	0	0	0	2	5	2	9
				11-27	1	0	0	0	0	0	0	0	0	0	14	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	1	0	0	0	0	0	0	0	0	2	19	9	31
0900	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	10	19	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	1	0	0	0	0	0	0	0	0	0	10	20	31
1200	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	23	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	1	0	0	0	0	0	0	0	0	0	6	24	31
1500	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	0	0	0
				11-27	1	0	0	0	0	0	0	0	0	0	5	25	31
				28-47	0	0	0	0	0	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	5	25	31
1800	0	0	0	1-10	2	0	0	0	0	0	0	0	0	0	7	3	12
				11-27	0	0	0	0	0	0	0	0	0	0	7	12	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	0	0	0	0	0	0	0	0	0	14	15	31
2100	1	0	0	1-10	2	0	0	0	0	0	0	0	0	5	7	3	17
				11-27	0	0	0	0	0	0	0	0	0	0	4	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	2	0	0	0	0	0	0	0	0	5	11	12	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DEKHEILA (A)— JULY 1961

Hour (U.T.)	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	21	0	0	0	0	0	0	0	0	0	0	4	25
				11-27	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
				≥ 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	4	31
0300	0	0	0	1-10	20	1	0	0	0	0	0	0	0	0	0	3	24
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	26	1	0	0	0	0	0	0	0	0	0	4	31
0600	0	0	0	1-10	15	5	0	0	0	0	0	0	0	0	1	5	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	20	5	0	0	0	0	0	0	0	0	1	5	31
0900	0	0	0	1-10	11	1	0	0	0	0	0	0	0	0	0	8	20
				11-27	8	0	0	0	0	0	0	0	0	0	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	19	1	0	0	0	0	0	0	0	0	1	10	31
1200	0	0	0	1-10	6	1	0	0	0	0	0	0	0	0	0	1	8
				11-27	21	0	0	0	0	0	0	0	0	0	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	27	1	0	0	0	0	0	0	0	0	0	3	31
1500	0	0	0	1-10	13	0	0	0	0	0	0	0	0	0	0	0	13
				11-27	16	2	0	0	0	0	0	0	0	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	29	2	0	0	0	0	0	0	0	0	0	0	31
1800	1	0	0	1-10	15	4	0	0	0	0	0	0	0	0	0	1	20
				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	25	4	0	0	0	0	0	0	0	0	0	1	30
2100	0	0	0	1-10	21	2	0	0	0	0	0	0	0	0	0	1	24
				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	27	2	0	0	0	0	0	0	0	0	0	2	31

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALEXANDRIA (A) — JULY 1961

Hour (U.T.)	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	8	19	27
				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	0	0	0	0	0	0	0	0	0	0	8	22	30
0300	1	0	0	1–10	1	0	0	0	0	0	0	0	0	1	5	22	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	1	0	0	0	0	0	0	0	0	1	6	22	30
0600	0	0	0	1–10	3	0	0	0	0	0	0	0	0	1	5	20	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	3	0	0	0	0	0	0	0	0	1	6	21	31
0900	0	0	0	1–10	2	0	0	0	0	0	0	0	0	0	10	12	24
				11–27	0	0	0	0	0	0	0	0	0	0	1	6	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	0	0	0	0	0	0	0	0	0	11	18	31
1200	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	0	5	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	0	0	0	0	0	0	0	0	0	0	6	25	31
1500	0	0	0	1–10	2	0	0	0	0	0	0	0	0	0	1	5	8
				11–27	3	0	0	0	0	0	0	0	0	0	1	19	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	5	0	0	0	0	0	0	0	0	0	2	24	31
1800	0	0	0	1–10	5	0	0	0	0	0	0	0	0	0	4	18	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	4	22	31
2100	1	0	0	1–10	0	0	0	0	0	0	0	0	0	1	7	19	27
				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	0	0	0	0	0	0	0	0	0	1	7	22	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

PORT SAID (A) — JULY 1961

Hour (U.T.)	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	1	0	0	0	1	0	0	1	3	4	6	21
				11-27	0	0	0	0	0	0	0	0	0	1	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	5	1	0	0	0	1	0	0	1	4	9	9	30
0300	1	0	0	1-10	4	0	0	1	0	0	1	0	2	4	9	3	24
				11-27	0	0	0	0	0	0	0	0	0	1	5	0	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	5
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	0	0	1	0	0	1	0	2	5	14	3	30
0600	0	0	0	1-10	2	1	0	0	0	0	0	1	4	11	3	4	26
				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	2	1	0	0	0	0	0	1	4	13	6	4	31
0900	1	0	0	1-10	6	1	0	0	0	0	0	1	7	4	1	7	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	1	0	0	0	0	0	1	7	5	2	8	30
1200	0	0	0	1-10	16	1	0	0	0	0	0	0	0	0	0	0	17
				11-27	11	0	0	0	0	0	0	0	0	0	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	27	1	0	0	0	0	0	0	0	0	0	3	31
1500	0	0	0	1-10	2	0	0	0	0	0	0	0	0	0	0	0	2
				11-27	20	1	0	0	0	0	0	0	0	0	0	8	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	22	1	0	0	0	0	0	0	0	0	0	8	31
1800	0	0	0	1-10	10	0	0	0	0	0	0	0	0	0	0	2	12
				11-27	7	0	0	0	0	0	0	0	0	0	2	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	17	0	0	0	0	0	0	0	0	0	2	12	31
2100	0	0	0	1-10	7	2	0	0	0	0	0	0	0	0	3	7	19
				11-27	2	0	0	0	0	0	0	0	0	0	4	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	2	0	0	0	0	0	0	0	0	7	13	31

TABLE A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

EL ARISH — JULY 1961

Hour (U.T.)	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	0	1	10	5	0	1	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	0	1	10	5	0	1	0	17
0300	7	0	0	1–10	0	0	0	0	0	3	3	12	6	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	0	0	0	0	3	3	12	6	0	0	0	24
0600	8	0	0	1–10	0	0	0	0	0	1	0	5	9	7	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	0	0	0	1	0	5	9	7	1	0	23
0900	0	0	0	1–10	3	0	0	0	0	0	0	0	0	0	19	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	3	0	0	0	0	0	0	0	0	0	20	8	31
1200	0	0	0	1–10	2	0	0	0	0	0	0	0	0	0	8	17	27
				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	2	0	0	0	0	0	0	0	0	0	12	17	31
1500	0	0	0	1–10	8	0	0	0	0	0	0	0	0	0	6	16	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	8	0	0	0	0	0	0	0	0	0	7	16	31
1800	2	0	0	1–10	9	4	0	0	0	0	0	0	0	0	8	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	9	4	0	0	0	0	0	0	0	0	8	8	29
2100	19	0	0	1–10	1	1	0	0	0	0	0	0	1	3	4	2	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	1	1	0	0	0	0	0	0	1	3	4	2	12

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

GHAZZA — JULY 1961

Hour (U.T.)	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	1	2	18	5	0	1	2	1	0	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	0	0	0	1	2	18	5	0	1	3	1	0	31
0300	0	0	0	1-10	0	0	0	0	1	19	9	1	1	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	0	0	0	0	1	19	9	1	1	0	0	0	31
0600	0	0	0	1-10	0	0	0	0	0	0	5	6	11	9	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	0	0	0	0	0	0	5	6	11	9	0	0	31
0900	0	0	0	1-10	0	0	0	0	0	0	0	0	3	17	7	3	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	0	0	0	0	0	0	0	0	3	18	7	3	31
1200	0	0	0	1-10	0	0	0	0	0	0	0	0	0	6	12	12	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	0	0	0	0	0	0	0	0	0	6	13	12	31
1500	0	0	0	1-10	7	0	0	0	0	0	0	0	0	0	3	21	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	0	0	0	0	0	0	0	0	0	3	21	31
1800	0	0	0	1-10	13	4	1	2	0	0	0	0	0	1	5	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	4	1	2	0	0	0	0	0	1	5	5	31
2100	0	0	0	1-10	6	0	1	4	1	8	5	0	0	2	2	1	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	0	1	4	1	8	5	0	0	3	2	1	31

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ABU SUEIR (A) — JULY 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of direction 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	0	0	0	0	4	4	5	5	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	0	0	0	4	4	5	5	18
0300	6	0	0	1-10	1	0	0	0	0	0	0	0	7	6	7	2	23
				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	0	0	0	0	7	7	8	2	25
0600	7	0	0	1-10	2	0	0	0	0	0	0	0	2	5	9	3	21
				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	2	7	9	4	24
0900	6	0	0	1-10	4	0	0	0	0	0	0	0	3	4	3	8	22
				11-27	0	1	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	4	1	0	0	0	0	0	0	3	4	4	9	25
1200	4	0	0	1-10	2	4	0	0	0	0	0	0	1	0	1	8	16
				11-27	0	1	0	0	0	0	0	0	0	1	2	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	2	5	0	0	0	0	0	0	1	1	3	15	27
1500	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	2	5	7
				11-27	6	5	0	0	0	0	0	0	0	0	0	13	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	6	5	0	0	0	0	0	0	0	0	2	18	31
1800	0	0	0	1-10	4	2	0	0	0	0	0	0	0	0	0	0	6
				11-27	11	5	0	0	0	0	0	0	0	0	2	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	15	7	0	0	0	0	0	0	0	0	2	7	31
2100	5	0	0	1-10	11	0	0	0	0	0	0	0	0	1	6	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	11	0	0	0	0	0	0	0	0	1	6	8	26

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

CAIRO (A) — JULY 1961

Hour (U.T.)	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	4	0	0	1	0	1	0	0	0	2	3	11	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	0	0	1	0	1	0	0	0	2	3	11	22
0300	19	0	0	1-10	1	0	0	0	0	0	0	0	0	1	3	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	1	0	0	0	0	0	0	0	0	1	3	7	12
0600	4	0	0	1-10	8	2	0	0	0	0	0	0	0	3	6	8	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	2	0	0	0	0	0	0	0	3	6	8	27
0900	0	0	0	1-10	4	0	1	0	0	0	0	0	0	3	7	13	28
				11-27	0	1	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	4	1	1	0	0	0	0	0	0	3	8	14	31
1200	0	0	0	1-10	0	0	0	0	0	0	0	0	0	4	8	11	23
				11-27	0	1	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	0	1	0	0	0	0	0	0	0	4	11	15	31
1500	0	0	0	1-10	1	0	0	0	0	0	0	0	0	0	4	9	14
				11-27	3	0	0	0	0	0	0	0	0	0	3	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	4	0	0	0	0	0	0	0	0	0	7	20	31
1800	0	0	0	1-10	5	1	0	0	0	0	0	0	0	0	1	11	18
				11-27	3	1	0	0	0	0	0	0	0	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	8	2	0	0	0	0	0	0	0	0	2	19	31
2100	1	0	0	1-10	6	8	1	0	0	0	0	0	0	0	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	6	8	1	0	0	0	0	0	0	0	5	10	30

TABLE A 10. —NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MOSTAFA HELMI (A) — JULY 1961

Hour (U.T.)	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	11	0	0	0	0	0	0	0	0	0	2	8	21
				11–27	2	0	0	0	0	0	0	1	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	13	0	0	0	0	0	0	1	0	0	3	14	31
0300	0	0	0	1–10	11	0	0	0	0	0	0	0	0	0	11	6	23
				11–27	2	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	3
				All speeds	13	0	0	0	0	0	0	0	0	0	11	7	
0600	0	0	0	1–10	5	1	0	0	0	0	0	0	0	0	1	10	17
				11–27	7	0	0	0	0	0	0	0	0	0	2	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	0	0	0	0	0	0	0	0	3	15	31
0900	0	0	0	1–10	6	0	0	0	0	0	0	0	0	0	2	7	15
				11–27	7	3	0	0	0	0	0	0	0	0	1	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	13	3	0	0	0	0	0	0	0	0	3	12	31
1200	0	0	0	1–10	5	5	0	0	0	0	0	0	0	1	2	3	16
				11–27	6	5	0	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	11	10	0	0	0	0	0	0	0	1	2	7	31
1500	0	0	0	1–10	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	0	0	[illegible]	[illegible]	6
				11–27	[illegible]	15	1	[illegible]	0	[illegible]	[illegible]	0	0	0	[illegible]	5	25
				28–47	[illegible]	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	[illegible]	0	0	0	0	0	0
				All speeds	[illegible]	16	2	0	0	0	0	0	0	0	1	5	31
1800	0	0	0	1–10	0	1	0	0	0	0	0	0	0	0	0	0	1
				11–27	22	4	0	0	0	0	0	0	0	0	0	4	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	22	5	0	0	0	0	0	0	0	0	0	4	31
2100	0	0	0	1—10	8	4	0	0	0	0	0	0	0	0	0	2	14
				11—27	10	1	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	18	5	0	0	0	0	0	0	0	0	0	8	31

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALMAZA (A) — JULY 1961

Hour (G.T.)	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	11	7	2	1	0	0	0	0	0	0	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	11	7	2	1	0	0	0	0	0	0	1	9	31
0300	1	0	0	1-10	5	16	0	0	0	1	0	0	0	0	4	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	5	16	0	0	0	1	0	0	0	0	4	4	30
0600	0	0	0	1-10	7	14	2	0	0	0	0	0	0	1	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	7	14	2	0	0	0	0	0	0	1	2	5	31
0900	0	0	0	1-10	6	12	0	0	0	0	0	0	0	0	7	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	12	0	0	0	0	0	0	0	0	7	6	31
1200	0	0	0	1-10	8	5	0	0	0	0	0	0	0	1	6	9	29
				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	8	7	0	0	0	0	0	0	0	1	6	9	31
1500	0	0	0	1-10	13	8	0	0	0	0	0	0	0	0	0	7	28
				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	15	9	0	0	0	0	0	0	0	0	0	7	31
1800	0	0	0	1-10	10	10	0	0	0	0	0	0	0	0	0	10	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	10	11	0	0	0	0	0	0	0	0	0	10	31
2100	0	0	0	1-10	5	13	7	0	0	0	0	0	0	0	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	5	13	7	0	0	0	0	0	0	0	1	5	31

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

GIZA — JULY 1961

Hour (U.T.)	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	6	0	1	1	0	0	0	0	0	0	1	22	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	0	1	1	0	0	0	0	0	0	1	22	29
0300	5	0	1	1-10	14	0	0	0	0	0	0	0	0	0	0	11	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	0	0	0	0	0	0	0	0	0	0	11	25
0600	0	0	0	1-10	11	3	0	0	0	0	0	0	0	0	1	15	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	12	3	0	0	0	0	0	0	0	0	1	15	31
0900	0	0	0	1-10	9	5	0	0	0	0	0	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	9	5	0	0	0	0	0	0	0	0	2	15	31
1200	0	0	0	1-10	7	7	0	0	0	0	0	0	0	0	1	15	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	7	8	0	0	0	0	0	0	0	0	1	15	31
1500	0	0	0	1-10	9	7	0	0	0	0	0	0	0	0	0	8	24
				11-27	4	0	0	0	0	0	0	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	13	7	0	0	0	0	0	0	0	0	0	11	31
1800	0	0	0	1-10	17	0	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	17	0	0	0	0	0	0	0	0	0	0	14	31
2100	0	0	2	1-10	18	2	0	0	0	0	0	0	0	0	0	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	18	2	0	0	0	0	0	0	0	0	0	9	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MINYA (A) — JULY 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of 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	18	2	0	0	0	0	0	0	0	0	0	0	20
				11-27	8	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	26	3	0	0	0	0	0	0	0	0	0	0	29
0300	1	0	0	1-10	24	0	0	0	0	0	0	0	0	0	0	4	28
				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	26	0	0	0	0	0	0	0	0	0	0	4	30
0600	0	0	0	1-10	3	8	0	0	0	0	0	0	0	0	0	3	14
				11-27	8	9	0	0	0	0	0	0	0	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	11	17	0	0	0	0	0	0	0	0	0	3	31
0900	0	0	0	1-10	5	10	0	0	0	0	0	0	0	0	3	3	21
				11-27	9	1	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	11	0	0	0	0	0	0	0	0	3	3	31
1200	0	0	0	1-10	4	12	0	1	0	0	0	0	0	0	1	1	19
				11-27	4	8	0	0	0	0	0	0	0	0	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	8	20	0	1	0	0	0	0	0	0	1	1	31
1500	0	0	0	1-10	4	15	0	0	0	0	0	0	1	0	1	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	8	21	0	0	0	0	0	0	1	0	1	0	31
1800	0	0	0	1-10	12	7	1	0	0	0	0	0	0	0	0	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	13	7	1	0	0	0	0	0	0	0	0	1	22
2100	4	0	0	1-10	14	1	0	0	0	0	1	0	0	0	0	1	17
				11-27	5	5	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	19	6	0	0	0	0	1	0	0	0	0	1	27

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASYOUT (A) — JULY 1961

Hour (U.T.)	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	4	17	6	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	0	0	0	0	0	0	0	0	4	17	6	2	29
0300	0	0	0	1-10	0	0	0	0	0	0	0	1	0	21	6	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	0	0	0	0	0	0	0	1	0	22	6	2	31
0600	1	0	0	1-10	1	0	0	0	0	0	0	0	0	1	21	6	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	1	0	0	0	0	0	0	0	0	1	21	7	30
0900	1	0	0	1-10	2	0	0	0	0	0	0	0	0	0	10	8	20
				11-27	1	0	0	0	0	0	0	0	0	0	3	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	3	0	0	0	0	0	0	0	0	0	13	14	30
1200	0	0	0	1-10	3	0	0	0	0	0	0	0	0	0	0	5	8
				11-27	1	0	0	0	0	0	0	0	0	0	9	13	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	4	0	0	0	0	0	0	0	0	0	9	18	31
1500	0	0	0	1-10	3	0	0	0	0	0	0	0	0	0	2	18	23
				11-27	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
				≥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	7	21	31
1800	6	0	0	1-10	1	0	0	0	0	0	0	0	0	8	13	3	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	0	0	0	0	8	13	3	25
2100	5	0	0	1-10	0	0	0	0	0	0	0	0	4	15	3	2	24
				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	4	16	4	2	26

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

LUXOR (A) — JULY 1961

Hour (U.T.)	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	1	1	0	0	0	0	2	7	9	3	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	**1**	**1**	**0**	**0**	**0**	**0**	**2**	**7**	**9**	**3**	**0**	**0**	**23**
0300	13	0	0	1-10	0	0	0	0	0	0	0	6	8	3	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**8**	**3**	**1**	**0**	**18**
0600	11	0	0	1-10	1	2	0	0	0	0	1	1	0	4	8	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 speeds	**1**	**2**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**4**	**8**	**3**	**20**
0900	6	0	0	1-10	5	4	0	0	0	0	0	0	1	1	4	16	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**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**4**	**16**	**31**
1200	0	0	0	1-10	3	1	0	0	0	0	0	0	0	2	6	13	25
				11-27	1	0	0	0	0	0	0	0	0	0	2	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	**4**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**8**	**16**	**31**
1500	1	0	0	1-10	6	0	0	0	0	0	0	0	0	1	5	15	27
				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	1	1
				≥ 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**	**1**	**5**	**17**	**30**
1800	6	0	0	1-10	4	1	0	0	0	0	0	0	1	5	4	2	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	**4**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**5**	**4**	**10**	**25**
2100	11	0	0	1-10	0	2	2	0	0	0	0	7	4	2	1	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	6	0	0	0	0	0	0	0	0
				All speeds	**0**	**2**	**2**	**0**	**0**	**0**	**0**	**7**	**4**	**2**	**1**	**2**	**20**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ASWAN (A)— JULY 1961

Hour (U.T.)	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	6	0	0	0	0	0	0	0	0	1	4	7	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	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**8**	**20**
0300	12	0	0	1—10	7	0	0	0	0	0	0	0	0	3	4	4	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	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**4**	**5**	**19**
0600	9	0	0	1—10	6	1	0	1	0	0	0	0	0	1	1	4	14
				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	**12**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**6**	**22**
0900	5	0	0	1—10	10	2	0	0	0	0	1	0	0	2	2	2	19
				11—27	3	1	0	0	0	0	0	0	0	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	**13**	**3**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**2**	**3**	**4**	**26**
1200	5	0	0	1—10	2	0	1	1	0	0	0	0	1	2	3	3	13
				11—27	4	0	0	0	0	0	1	0	0	3	3	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	**6**	**0**	**1**	**1**	**0**	**0**	**1**	**0**	**1**	**5**	**6**	**5**	**26**
1500	1	0	0	1—10	4	0	0	0	0	0	0	2	0	4	0	1	11
				11—27	5	0	0	0	0	0	2	0	1	2	7	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	**9**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**1**	**6**	**7**	**3**	**30**
1800	2	0	0	1—10	5	0	0	0	0	0	1	0	2	4	2	4	18
				11—27	3	0	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	**8**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**2**	**4**	**3**	**11**	**29**
2100	6	0	0	1—10	4	0	0	0	0	0	1	0	1	2	3	7	18
				11—27	2	0	0	0	0	0	0	0	0	0	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	**6**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**2**	**5**	**10**	**25**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SIWA — JULY 1961

Hour (U.T.)	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	9	5	5	3	0	1	1	0	0	0	0	0	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	**11**	**5**	**5**	**3**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**26**
0300	10	0	0	1-10	10	5	3	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	**10**	**5**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**21**
0600	5	0	0	1-10	15	4	5	0	0	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	**15**	**4**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**26**
0900	0	0	0	1-10	8	5	0	1	0	0	0	0	0	1	4	8	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**	**6**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**8**	**31**
1200	0	0	0	1-10	9	2	1	0	0	0	0	0	0	0	1	9	22
				11-27	4	1	0	0	0	0	0	0	0	0	0	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	**13**	**3**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**13**	**31**
1500	0	0	0	1-10	8	5	0	0	0	0	0	0	0	0	0	3	16
				11-27	10	1	0	0	0	0	0	0	0	0	1	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	**18**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**6**	**31**
1800	0	0	0	1-10	8	7	1	0	0	0	0	0	0	1	1	7	25
				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	**10**	**11**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**7**	**31**
2100	0	0	0	1-10	2	9	8	0	1	0	0	0	0	0	0	0	20
				11-27	2	8	1	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	**4**	**17**	**9**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**31**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

BAHARIYA — JULY 1961

Hour (U.T.)	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	7	9	0	1	0	0	0	0	0	0	0	0	17
				11-27	7	2	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	11	0	1	0	0	0	0	0	0	0	0	26
0300	8	0	0	1-10	14	3	0	1	0	0	0	0	0	0	0	0	18
				11-27	4	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	18	4	0	1	0	0	0	0	0	0	0	0	23
0600	4	0	0	1-10	12	9	0	1	0	0	0	0	0	0	0	0	22
				11-27	4	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	16	10	0	1	0	0	0	0	0	0	0	0	27
0900	2	0	0	1-10	12	3	0	1	0	0	0	0	0	0	2	4	22
				11-27	4	2	0	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	16	5	0	1	0	0	0	0	0	0	3	4	29
1200	0	0	0	1-10	7	3	0	0	0	0	0	0	0	0	3	7	20
				11-27	4	2	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	11	5	0	0	0	0	0	0	0	0	3	12	31
1500	0	0	0	1-10	8	4	1	0	0	0	0	0	0	0	1	2	16
				11-27	8	2	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	16	6	1	0	0	0	0	0	0	0	1	7	31
1800	1	0	0	1-10	8	3	0	0	0	0	0	0	0	1	4	5	21
				11-27	3	4	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	11	7	0	0	0	0	0	0	0	1	4	7	30
2100	2	0	0	1-10	3	11	0	0	0	0	0	0	0	0	2	2	18
				11-27	6	5	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	9	16	0	0	0	0	0	0	0	0	2	2	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DAKHLA — JULY 1961

Hour (U.T.)	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	0	0	0	0	0	0	3	15	9	1	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	2	0	0	0	0	0	0	0	3	15	9	1	30
0300	1	0	0	1—10	0	0	1	1	0	0	3	3	4	12	4	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	0	0	1	1	0	0	3	3	4	12	4	2	30
0600	0	0	0	1—10	3	0	0	2	0	2	0	3	1	3	12	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	3	0	0	2	0	2	0	3	1	3	12	5	31
0900	2	0	0	1—10	8	1	1	0	0	0	0	0	0	3	2	7	22
				11—27	2	0	0	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	10	1	1	0	0	0	0	0	0	3	2	12	29
1200	5	0	0	1—10	6	1	0	1	0	0	0	0	0	2	4	7	21
				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	7	1	0	1	0	0	0	0	0	2	4	11	26
1500	0	0	0	1—10	7	1	0	0	0	0	0	0	0	0	1	13	22
				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	9	1	0	0	0	0	0	0	0	0	2	19	31
1800	1	0	0	1—10	9	0	0	0	0	0	0	0	0	1	4	16	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	0	0	0	0	0	0	0	0	1	4	16	30
2100	0	0	1	1—10	3	0	0	0	0	0	0	0	0	7	13	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	3	0	0	0	0	0	0	0	0	7	13	7	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

KHARGA — JULY 1961

Hour (U.T.)	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 direction
0000	26	0	0	1-10	4	0	0	0	0	0	0	0	0	0	0	0	4
				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	0	0	0	0	0	0	0	0	0	0	0	5
0300	23	0	0	1-10	7	0	0	0	0	0	0	0	0	0	0	0	7
				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	0	0	0	0	0	0	0	0	8
0600	13	0	0	1-10	13	0	0	0	0	0	0	0	0	0	0	1	14
				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	1	18
0900	3	0	0	1-10	16	3	0	0	0	0	0	0	0	1	0	1	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	22	3	0	0	0	0	0	0	0	1	0	2	28
1200	5	0	0	1-10	15	1	0	0	0	0	0	0	0	0	1	2	19
				11-27	7	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
				≥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	1	2	26
1500	4	0	0	1-10	17	2	1	0	0	0	0	0	0	0	0	1	21
				11-27	1	4	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	18	6	1	0	0	0	0	0	0	0	0	2	27
1800	20	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	0	0	0	0	0	0
				28-47	0	0	0	0	0	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	1	11
2100	28	0	0	1-10	2	0	0	0	0	0	0	0	0	0	0	0	2
				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	3	0	0	0	0	0	0	0	0	0	0	0	3

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

TOR — JULY 1961

Hour (U.T.)	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	1	0	0	0	1	0	0	3	11	1	17
				11-27	0	0	0	0	0	0	0	0	0	1	5	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	1	0	0	0	1	0	0	4	16	2	24
0300	5	0	0	1-10	0	0	0	0	0	1	0	0	0	2	13	3	19
				11-27	0	0	0	0	0	0	0	0	0	1	4	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	0	0	0	0	0	1	0	0	0	3	17	5	26
0600	1	0	0	1-10	0	0	0	0	0	0	1	0	0	2	16	3	22
				11-27	0	0	0	0	0	0	0	0	0	2	5	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	0	0	0	0	0	1	0	0	4	21	4	30
0900	0	0	0	1-10	0	0	0	0	0	0	0	0	1	4	8	0	13
				11-27	0	0	0	0	0	0	9	0	0	3	13	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	0	0	0	0	0	0	0	0	1	7	21	2	31
1200	0	0	0	1-10	0	0	0	0	0	0	0	1	0	4	12	1	18
				11-27	0	0	0	0	0	0	0	0	0	4	8	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	1	0	8	20	2	31
1500	1	0	0	1-10	0	0	0	0	0	0	1	1	0	4	17	0	23
				11-27	0	0	0	0	0	0	0	0	0	1	5	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	0	0	0	0	1	1	0	5	22	1	30
1800	4	0	0	1-10	1	0	0	0	0	0	0	0	0	6	12	6	25
				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	0	0	0	0	0	0	0	0	6	12	8	27
2100	9	0	0	1-10	0	0	0	0	0	0	0	0	0	3	11	1	15
				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	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	15	2	22

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

HURGHADA — JULY 1961

Hour (U.T.)	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	2	6	7	15
				11-27	0	0	0	0	0	0	0	0	0	1	5	8	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	0	0	0	0	0	0	0	0	0	3	11	16	30
0300	2	0	0	1-10	0	0	0	0	0	0	0	0	0	0	2	6	8
				11-27	4	0	0	0	0	0	0	0	0	0	1	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	4	0	0	0	0	0	0	0	0	0	3	22	29
0600	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	0	1	1
				11-27	3	0	0	0	0	0	0	0	0	0	0	26	29
				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	0	0	0	0	0	0	28	31
0900	0	0	0	1-10	1	2	0	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	24	5	0	0	0	0	0	0	0	0	0	2	31
1200	0	0	0	1-10	0	7	1	0	0	0	0	0	0	0	0	0	8
				11-27	17	6	0	0	0	0	0	0	0	0	0	0	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	17	13	1	0	0	0	0	0	0	0	0	0	31
1500	2	0	0	1-10	3	5	2	0	0	3	0	0	0	0	1	0	14
				11-27	10	0	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	13	5	2	0	0	3	0	0	0	0	1	5	29
1800	12	0	0	1-10	0	1	0	0	0	1	0	0	0	1	2	0	5
				11-27	0	0	0	0	0	0	0	0	0	0	1	13	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	1	0	0	0	1	0	0	0	1	3	13	19
2100	5	0	0	1-10	0	0	0	0	0	0	0	0	0	1	7	4	12
				11-27	0	0	0	0	0	0	0	0	0	2	9	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	0	0	0	0	0	0	0	0	0	3	16	7	26

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

QUSEIR — JULY 1961

Hour (U.T)	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	1	1	1	0	0	0	0	0	0	11	2	5	21
				11–27	1	0	0	0	0	0	0	0	0	1	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	2	1	1	0	0	0	0	0	0	12	3	7	26
0300	1	0	0	1–10	2	0	0	0	0	0	0	0	0	2	4	13	21
				11–27	1	0	0	0	0	0	0	0	0	0	1	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	3	0	0	0	0	0	0	0	0	2	5	20	30
0600	0	0	0	1–10	8	0	0	1	0	0	0	0	0	1	0	3	13
				11–27	2	0	0	0	0	0	0	0	0	0	0	16	18
				28–47	1	0	0	0	0	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	0	0	0	0	0	1	0	19	31
0900	0	0	0	1–10	4	3	1	0	0	0	0	0	0	0	0	0	8
				11–27	16	0	0	0	0	0	0	0	0	0	0	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	20	3	1	0	0	0	0	0	0	0	0	7	31
1200	0	0	0	1–10	4	0	3	1	0	0	0	0	0	0	0	0	14
				11–27	13	1	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	17	1	3	1	0	0	0	0	0	0	0	3	31
1500	3	0	0	1–10	8	2	4	4	2	0	0	0	0	0	0	2	22
				11–27	1	0	0	0	0	0	0	0	0	0	0	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	9	2	4	4	2	0	0	0	0	0	0	7	28
1800	14	0	0	1–10	1	1	0	1	0	0	5	0	0	0	2	5	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	1	1	0	1	0	0	5	0	0	0	2	7	17
2100	15	0	0	1–10	1	0	0	0	0	0	1	3	0	7	0	4	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	0	0	0	0	0	1	3	0	7	0	4	16

TABLE B 1.— UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — JULY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	1007mb*	1010mb*	1003mb*	31	23·4	24·9	21·3	31	19·8
1000	31	100	129	68	31	22·8	24·6	21·2	31	17·2
850	31	1508	1589	1473	31	17·3	21·3	9·9	29	—4·0
700	31	3140	3172	3105	31	12·5	14·3	6·8	3	—5·8
600	31	4406	4438	4378	31	3·5	7·4	0·9	—	—
500	31	5861	5909	5822	31	—5·1	—1·2	—8·0	—	—
400	31	7587	7649	7546	31	—16·5	—11·7	—20·0	—	—
300	30	9691	9765	9533	30	—29·8	—26·7	—44·9	—	—
200	30	12461	12518	12178	30	—49·6	—46·9	—56·2	—	—
150	30	14324	14382	14193	30	—63·2	—60·8	—65·8	—	—
100	28	16702	16782	16384	28	—74·5	—67·0	—78·6	—	—
60	22	19744	19812	19636	22	—64·3	—58·0	—67·5	—	—
40	18	22281	22391	22142	18	—56·0	—51·7	—63·5	—	—
30	4	24117	24197	23981	4	—49·8	—45·8	—52·4	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 1200 U.T. — JULY 1961

N=the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	1007mb*	1011mb*	1003mb*	31	26·9	29·2	25·0	31	20·5
1000	31	105	138	68	31	26·1	28·1	23·8	31	19·5
850	31	1515	1557	1480	31	18·8	22·2	14·6	31	—4·0
700	31	3158	3206	3125	31	11·6	16·0	6·2	1	—12·4
600	31	4430	4475	4381	31	5·0	13·8	—4·2	—	—
500	31	5893	5962	5832	31	—4·2	0·7	—8·4	—	—
400	31	7623	7712	7564	31	—13·7	—10·1	—17·8	—	—
300	31	9748	9845	9645	31	—27·4	—13·4	—33·7	—	—
200	31	12534	12644	12413	31	—48·0	—45·3	—51·1	—	—
150	31	14382	14489	14264	31	—61·4	—58·1	—64·0	—	—
100	31	16811	16917	16674	31	—74·7	—70·0	—80·8	—	—
60	24	19861	19975	19716	24	—62·3	—58·2	—69·6	—	—
40	15	22445	22537	22280	15	—52·9	—46·4	—60·0	—	—
30	3	24318	24409	24259	3	—49·4	—47·5	—51·0	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 0000 U.T. — JULY 1961

N=Number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	991 mb*	995mb.*	987mb.*	31	23.6	27.0	21.6	31	15.2
1000	31	70	100	36	—	—	—	—	—	—
350	31	1473	1492	1443	31	16.9	26.2	15.5	23	2.2
700	31	3123	3156	3097	31	12.5	17.0	8.2	9	— 6.8
600	31	4398	4444	4362	31	5.2	9.1	1.4	6	—14.4
500	31	5864	5914	5812	31	— 2.5	0.4	— 5.6	2	—21.5
400	31	7604	7651	7571	31	—13.0	— 8.2	—17.2	—	—
300	31	9736	9803	9682	31	—27.7	—25.4	—30.0	—	—
200	30	12532	12595	12448	30	—48.2	—46.5	—50.3	—	—
150	30	14368	14441	14290	30	—62.2	—60.4	—64.7	—	—
100	26	16783	16861	16682	26	—75.6	—64.0	—80.2	—	—
60	17	19784	19880	19683	17	—65.8	—59.7	—70.8	—	—
40	3	22279	22345	22220	3	—55.9	—50.2	—58.9	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 1200 U.T. — JULY 1961

N=Number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	30	991 mb*	995mb*	985mb.*	30	33·8	37.4	30.0	30	9·8
1000	30	64	100	20	—	—	—	—	—	—
850	30	1486	1511	1459	30	20.0	24.1	15.3	27	— 0.4
700	30	3135	3162	3100	30	12.8	17.0	7·8	4	— 8·5
600	30	4413	4453	4365	30	5.7	9.7	2.0	3	—14.8
500	30	5880	5939	5810	30	— 2.2	1.8	— 7·0	—	—
400	30	7625	7700	7534	30	—12 4	— 8.8	—16·1	—	—
300	30	9763	9873	9666	30	- 26 6	—22.2	—29.0	—	—
200	30	12537	12736	12467	30	— 46.9	—43.4	—50.0	—	—
150	29	14615	14618	14301	29	— 60.5	—54.4	—63·0	—	—
100	28	16853	17093	16723	28	—74.6	—69.3	—79·0	—	—
60	18	19851	20134	19732	18	- 63.6	—57.2	—74·1	—	—
40	6	22386	22450	22355	6	—52.3	—48.0	—56.5	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 0000 U.T. — JULY 1961

N = the Number of cases the element has been observed during the month,

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	993 mb*	996mb*	987mb*	31	28.7	34.7	25.0	31	5.5
1000	—	—	—	—	—	—	—	—	—	—
850	31	1475	1506	1446	31	23.0	30.2	16.4	26	2.7
700	31	3130	3179	3083	31	11.0	17.2	6.5	13	— 6.6
600	31	4399	4471	4326	31	4.0	7.8	— 3.6	10	— 7.6
500	31	5862	5945	5774	31	— 3.3	0.9	— 7.0	8	—15.3
400	31	7597	7669	7510	31	—13.5	— 8.2	—18.3	5	—23.0
300	31	9727	9823	9609	31	—27.9	—19.5	—30.8	—	—
200	30	12516	12733	12354	30	—48.8	—36.2	—53.1	—	—
150	29	14282	14693	14154	29	—62.4	—45.9	—67.1	—	—
100	20	16717	16793	16517	20	—78.3	—73.4	—83.2	—	—
60	11	19681	19787	19464	11	—66.0	—60.7	70.0	—	—
40	4	22251	22323	22131	4	—57.9	—55.8	59.4	—	—
30	1	24088	—	—	1	—66.2	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — JULY 1961

N = the Number of cases the element has been observed during the month,

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station ...	31	993mb*	996mb*	987mb*	31	40.8	46.0	37.0	31	7.9
1000	—	—	—	—	—	—	—	—	—	—
850	31	1502	1532	1474	31	26.0	30.8	20.5	16	— 1.6
700	31	3168	3219	3121	31	12.5	18.7	7.9	15	—11.8
600	31	4442	4516	4394	31	5.7	10.0	1.5	8	—17.3
500	31	5912	5989	5857	31	— 2.0	2.5	— 6.5	5	—19.1
400	31	7658	7755	7607	31	—12.5	— 7.4	—15.1	3	—33.0
300	31	9789	9926	9733	31	—27.8	—23.2	—32.3	—	—
200	28	12581	12769	12505	28	—48.9	—44.0	—50.8	—	—
150	25	14415	14635	14321	25	—62.6	—57.2	—65.2	—	—
100	18	16776	17077	16705	18	—78.4	—72.4	—82.3	—	—
60	8	19817	20001	19695	8	—69.7	—61.8	—82.0	—	—
40	2	22398	22399	22398	2	—58.1	—57.6	—58.6	—	-
30	1	24223	—	—	1	—55.0	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

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 1961

N=The numbers of cases the element has been observed during the month.

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)	Temperature (°C) (N)	Height (gpm.)	Pressure (mb.)	Temperature (°C)	Height (gpm.)	Pressure (mb.)	Temperature (°C)	Height (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
Marsa Matruh (A)	5001 (30)	553 (30)	—	5710	512	—	4520	590	—	14759 (23)	141 (23)	—67.0 (23)	15910	114	—73.3	10760	259	—37.2	10900	250	240	56
Helwan	5354 (31)	533 (31)	—	5950	494	—	4610	584	—	14401 (23)	151 (23)	—62.5 (23)	16830	100	—73.8	11550	232	—42.2	—	—	—	—
Aswan .. (A)	5199 (31)	544 (31)	—12.7 (11)	6090	485	—	3800	641	—	15146 (20)	133 (20)	—69.7 (20)	16769	100	—80.1	12600	196	—53.0	17650	—	130	84

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 1961

N=The numbers of cases the element has been observed during the month.

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)	Temperature (°C) (N)	Height (gpm.)	Pressure (mb.)	Temperature (°C)	Height (gpm.)	Pressure (mb.)	Temperature (°C)	Height (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
Marsa Matruh (A)	5260 (30)	532 (30)	— —	6100	492	—	4560	586	—	14767 (24)	142 (24)	—62.8 (24)	16200	110	—73.1	12490	202	—48.3	13700	166	230	81
Helwan	5451 (30)	527 (30)	—16.8 (4)	6250	480	—	4730	576	—	14811 (26)	143 (26)	—63.6 (26)	16917	100	—76.3	12710	199	—43.8	—	—	—	—
Aswan ... (A)	5454 (31)	530 (31)	—16.5 (7)	6320	478	—	4930	563	—	15664 (13)	123 (13)	—71.2 (13)	16838	100	—79.2	14240	158	—55.1	15400	130	130	71

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 1961

N = the number of cases the wind has been observed from the range of direction during the month.

TN = the total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	3	9	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	7	10	14	13	12	1	31	11
1000	1	7	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	8	10	14	15	12	1	31	12
850	11	15	0	—	1	14	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	18	16	16	0	31	16
700	6	10	3	12	1	14	0	—	0	—	0	—	0	—	0	—	6	—	7	10	5	12	9	11	0	31	11
600	5	11	3	7	1	11	0	—	0	—	0	—	0	—	0	—	4	10	7	10	4	11	7	11	0	31	10
500	2	6	2	16	1	7	0	—	0	—	0	—	0	—	0	—	8	10	4	10	6	14	6	20	0	29	13
400	4	12	0	—	0	—	0	—	0	—	0	—	1	5	2	20	13	19	4	13	3	15	3	16	0	30	16
300	1	22	0	—	0	—	0	—	0	—	0	—	0	—	4	16	16	25	6	18	1	18	1	29	0	29	22
200	1	4	0	—	0	—	0	—	0	—	0	—	3	20	2	9	12	30	7	21	2	12	1	15	0	28	22
140	0	—	0	—	0	—	0	—	0	—	1	10	4	17	4	18	11	28	3	23	0	—	1	12	0	24	21
100	0	—	0	—	1	16	0	—	0	—	1	12	3	16	5	29	5	28	0	—	0	—	1	9	0	16	23
60	0	—	1	15	2	19	0	—	0	—	3	21	0	—	0	—	1	22	0	—	0	—	0	—	—	7	20
40	0	—	0	—	1	35	0	—	1	11	2	17	1	30	1	35	0	—	0	—	0	—	0	—	—	6	24
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 1961

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360) *																								Number of calm winds	Total number of observations (TN)	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 of station	1	17	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	10	16	20	15	0	31	15
1000	1	17	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	10	16	20	15	0	31	15
850	4	11	1	11	0	—	0	—	0	—	0	—	0	—	0	—	1	7	2	18	7	12	16	14	0	31	13
700	5	7	3	8	0	—	0	—	0	—	0	—	0	—	0	—	1	13	5	10	8	9	9	9	0	31	9
600	5	6	2	12	1	7	1	11	0	—	1	3	1	5	1	8	5	11	9	10	3	11	1	5	1	31	9
500	0	—	1	2	0	—	2	9	1	3	0	—	0	—	5	9	7	14	7	12	4	12	2	8	1	30	10
400	0	—	0	—	0	—	0	—	0	—	0	—	1	8	5	14	15	20	4	20	3	13	2	7	0	30	17
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	21	13	23	9	19	2	9	0	—	0	29	20
200	0	—	0	—	0	—	0	—	0	—	0	—	4	19	4	24	10	25	6	20	2	15	1	48	1	28	22
150	0	—	0	—	0	—	1	8	0	—	2	16	4	9	6	19	6	40	3	16	0	—	0	—	1	23	21
100	0	—	0	—	1	26	0	—	3	12	2	12	2	16	7	19	3	44	1	16	0	—	0	—	0	19	21
60	0	—	0	—	0	—	2	22	1	7	1	26	0	—	0	—	0	—	0	—	1	21	0	—	0	5	21
40	0	—	0	—	0	—	3	18	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	3	18
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.

HELWAN (A)—0000 U.T.— JULY 1961

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	4	10	4	10	2	12	1	10	0	—	0	—	0	—	1	3	2	8	5	11	9	10	3	9	0	31	10
700	2	4	2	12	2	5	2	15	0	—	2	16	1	5	5	16	3	5	3	6	5	11	4	12	0	31	11
600	3	10	3	7	3	18	3	12	1	10	2	6	2	14	0	—	4	15	5	15	4	6	1	10	0	31	12
500	2	8	2	8	7	17	1	4	1	10	0	—	1	5	1	5	5	9	7	13	3	15	1	3	0	31	11
400	2	10	2	11	1	10	1	16	2	6	1	6	0	—	4	18	7	14	6	15	4	8	1	4	0	31	12
300	1	4	0	—	0	—	1	9	0	—	1	13	2	12	5	22	9	18	9	13	1	17	1	5	0	30	15
200	6	—	0	—	0	—	3	14	0	—	2	13	4	27	9	26	7	18	0	—	3	13	0	—	0	28	21
150	0	—	0	—	0	—	1	23	4	20	1	28	2	35	7	27	2	22	2	18	0	—	1	10	0	20	24
100	0	—	1	10	0	—	1	15	2	29	0	—	5	34	2	28	0	—	0	—	0	—	0	—	0	11	28
60	0	—	0	—	0	—	1	34	0	—	0	—	0	—	1	43	0	—	0	—	0	—	0	—	0	2	38
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

HELWAN — 1200 U.T. — JULY 1961

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000–360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	7	8	3	7	1	9	1	15	0	—	0	—	1	2	3	3	0	—	2	9	6	8	6	12	0	30	8
700	3	6	0	—	3	9	1	16	0	—	0	—	7	9	3	13	5	19	4	16	3	5	1	3	0	30	11
500	3	7	1	7	1	20	6	9	2	4	3	10	2	14	1	4	6	17	3	15	2	8	0	—	0	30	11
300	1	10	2	8	4	12	0	—	1	19	1	9	1	11	5	7	4	15	6	12	4	6	1	13	0	30	10
400	2	10	1	10	0	—	2	13	4	6	0	—	0	—	4	15	3	22	11	10	2	10	1	5	0	30	11
300	0	—	1	11	0	—	0	—	4	10	3	9	2	11	8	14	4	12	5	14	2	10	1	20	0	30	12
200	1	5	1	17	3	9	0	—	3	23	4	17	7	22	6	24	0	—	3	15	0	—	0	—	0	28	19
150	0	—	1	14	0	—	0	—	3	24	8	17	6	22	3	31	1	16	0	—	0	—	0	—	0	22	21
100	0	—	0	—	0	—	2	18	3	32	3	25	1	22	0	—	0	—	0	—	0	—	0	—	0	9	26
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. — JULY 1961

N=The number of cases the wind has been observed from the range of direction during the month.

TN=The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																						Number of calm winds	Total number of observations (TN)	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 of station	7	1	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	6	23	31	3
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	4	8	5	11	1	9	0	—	1	8	0	—	2	6	1	4	1	4	2	10	7	11	6	12	0	30	10
700	2	8	1	7	2	7	2	7	2	18	2	12	7	8	2	13	6	17	2	16	2	10	0	—	0	30	11
600	3	10	1	7	2	13	4	13	2	17	1	5	2	8	5	10	7	17	2	6	0	—	1	23	0	30	12
500	3	11	2	6	2	16	7	12	1	17	2	15	6	8	1	5	2	14	0	—	3	7	1	5	0	30	10
400	2	10	0	—	4	14	7	15	9	13	3	6	4	12	1	7	0	—	0	—	0	—	0	—	0	30	12
300	0	—	0	—	6	13	8	16	6	20	5	9	2	17	1	8	0	—	0	—	0	—	0	—	1	29	14
200	0	—	0	—	1	31	8	26	11	26	7	29	0	—	0	—	0	—	0	—	0	—	0	—	0	27	27
150	0	—	0	—	1	42	6	37	13	37	2	38	0	—	0	—	0	—	0	—	0	—	0	—	0	22	37
100	0	—	0	—	1	45	3	42	4	52	1	41	0	—	0	—	0	—	0	—	0	—	0	—	0	9	46
60	0	—	0	—	1	37	1	39	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	2	38
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 (A) — 1200 U.T. — JULY 1961

N= The number of cases the wind has been observed from the range of direction during the month.

TN= The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	12	6	0	—	0	—	0	—	0	—	0	—	4	10	0	—	1	6	10	6	3	7	1	7	—	31	7
1000...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850...	2	4	0	—	0	—	0	—	1	2	0	—	3	9	1	6	3	11	9	11	7	12	5	12	0	31	10
700...	0	—	1	8	0	—	2	7	3	9	4	12	1	7	1	8	11	14	7	18	1	7	0	—	0	31	13
600...	1	8	0	—	0	—	1	13	7	9	2	15	3	16	6	20	4	12	4	18	2	11	1	15	0	31	14
500...	2	6	4	22	3	13	7	12	1	19	1	10	6	8	2	23	3	18	1	5	0	—	1	9	0	31	13
400...	1	42	2	4	8	17	10	12	3	10	3	8	1	6	1	26	—	—	0	—	2	6	0	—	0	31	13
300...	0	—	0	—	4	19	16	20	6	16	1	10	1	21	0	—	1	12	0	—	0	—	0	—	0	29	19
200...	0	—	0	—	1	24	10	19	14	20	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	25	28
150...	0	—	0	—	2	21	6	38	8	44	1	38	0	—	0	—	0	—	0	—	0	—	0	—	0	17	39
100...	0	—	0	—	0	—	1	57	4	39	1	42	0	—	0	—	0	—	0	—	0	—	0	—	0	6	42
60...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

JULY 1961

During this month the weather was generallyof the mild summer type. One significant heat wave occurred on the 25th and 26th and gave the absolute maximum air temperature of the month on the 26th (37.0°C). The daily mean air temperature at 2 metres above ground was slightly below normal (- 0.7°C) and the daily mean relative humidity was slightly above normal (+ 3%).

The extreme maximum soil temperature in the dry field at 0.3, 1, 2, cms., depths were lower than the corresponding values for last year ; the maximum difference was— 5.3°C at 0.3 cm· depth. At other depths the extreme maxima were generally higher than the corresponding values for July 1960 ; the maximum difference was + 1.5°C at 5 cms. depth. The extreme minimum soil temperatures were generally higher than the corresponding values for last July ; the maximum difference was + 0.9°C at 50, 100 cms. depths.

The daily mean values of Piche evaporation, potential evaporation and potential evapotranspiration were lower (— 0.5, — 0.8, — 1.1mms.), while the daily mean water pan evaporation was higher (+ 0.46 mms.) than the corresponding values of July 1960. The daily mean wind speed at 2 metres was slightly higher (+ 0.3m/sec.) while the total duration of bright sunshine was slightly lower (— 7.3 hours) than July 1960.

REVIEW OF AGRO-METEOROLOGICAL STATION AT TAHRIR

JULY 1961

The prevailing weather during this month was generally of the mild summer type. The daily mean air temperature was slightly higher than the corresponding value of July 1960 (+ 0.2°C), the daily mean vapour pressure was slightly lower(— 0.2 mm.) and the daily mean values of relative humidity in both years were the same.

The extreme maximum soil temperaturesat depths between 5 & 100 cms.were slightly higher than the corresponding values of last July ; the difference ranged from + 0.8°C at 10 cms. depth to + 0.3°C at 100 cms. depth. The extreme minimum soil temperatures were lower than the corresponding values of last July at 5.10 cms. depths (— 0.4°C, — 0.3°C respectively) and higher at deeper depths (+ 0.2°C at 20cms. depth, + 1.2°C at 100 cms. depth).

The daily mean Piche evaporation, the dailymean wind speed and the total actual duration of bright sunshine were lower than the corresponding values of July 1960 by 1.8mms., 0.1 m./sec and 2.6 hours respectively. The total (solar + sky) radiation was higher than the corresponding value of last July by 350 gm. cal./cm2.

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

GIZA — JULY 1961.

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	35.7	23.2	28.0	25.9	30.1	24.0	24.0	24.0	24.0	24.0	24.0	14.5	8.5	0.5	0.0	0.0
2	34.0	21.6	26.5	24.6	28.3	24.0	24.0	24.0	24.0	24.0	24.0	12.5	6.5	0.0	0.0	0.0
3	31.5	19.9	25.3	23.1	37.1	24.0	24.0	24.0	24.0	24.0	24.0	12.0	3.0	0.0	0.0	0.0
4	32.2	18.4	25.2	22.5	27.0	24.0	24.0	24.0	24.0	24.0	21.0	12.0	3.5	0.0	0.0	0.0
5	32.9	21.7	26.3	23.5	28.0	24.0	24.0	24.0	24.0	24.0	24.0	13.5	6.0	0.0	0.0	0.0
6	33.2	19.4	25.9	23.2	27.9	24.0	24.0	24.0	24.0	24.0	23.0	12.5	5.5	0.0	0.0	0.0
7	34.0	19.3	26.7	23.0	28.5	24.0	24.0	24.0	24.0	24.0	22.0	15.0	8.0	0.0	0.0	0.0
8	35.0	22.6	27.9	25.5	29.5	24.0	24.0	24.0	24.0	24.0	24.0	15.5	9.0	0.0	0.0	0.0
9	35.6	21.4	28.1	26.0	29.7	24.0	24.0	24.0	24.0	24.0	24.0	15.5	9.0	0.0	0.0	0.0
10	34.4	21.9	27.3	25.6	29.2	24.0	24.0	24.0	24.0	24.0	24.0	14.5	8.0	0.0	0.0	0.0
11	34.0	20.8	26.7	24.3	28.9	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.0	0.0	0.0	0.0
12	34.5	20.0	26.1	23.0	28.3	24.0	24.0	24.0	24.0	24.0	24.0	12.5	6.5	0.0	0.0	0.0
13	34.5	19.3	26.5	23.2	28.5	24.0	24.0	24.0	24.0	24.0	23.5	13.5	6.5	0.0	0.0	0.0
14	33.8	21.8	27.0	24.2	28.6	24.0	24.0	24.0	24.0	24.0	24.0	15.5	8.5	0.0	0.0	0.0
15	34.4	19.9	27.3	24.5	28.9	24.0	24.0	24.0	24.0	24.0	24.0	15.5	8.5	0.0	0.0	0.0
16	35.7	20.9	27.8	25.4	29.6	24.0	24.0	24.0	24.0	24.0	24.0	14.5	9.5	0.0	0.0	0.0
17	35.4	22.3	27.8	24.5	29.8	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.5	0.0	0.0	0.0
18	35.9	19.8	28.0	24.4	30.2	24.0	24.0	24.0	24.0	24.0	24.0	16.0	10.0	0.0	0.0	0.0
19	34.9	21.7	27.2	25.6	29.1	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
20	32.2	20.5	26.0	23.9	27.7	24.0	24.0	24.0	24.0	24.0	24.0	13.0	5.0	0.0	0.0	0.0
21	32.8	20.8	26.0	23.6	27.7	24.0	24.0	24.0	24.0	24.0	24.0	13.0	5.0	0.0	0.0	0.0
22	34.0	21.0	26.8	23.7	28.4	24.0	24.0	24.0	24.0	24.0	24.0	15.0	7.5	0.0	0.0	0.0
23	35.0	21.4	27.7	25.1	29.6	24.0	24.0	24.0	24.0	24.0	24.0	14.5	9.0	0.0	0.0	0.0
24	34.7	21.6	27.5	25.1	29.3	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.5	0.0	0.0	0.0
25	36.7	22.4	28.9	25.3	31.1	24.0	24.0	24.0	24.0	24.0	24.0	15.5	10.0	0.0	0.0	0.0
26	37.0	21.8	28.6	25.7	31.2	24.0	24.0	24.0	24.0	24.0	24.0	15.5	10.0	0.0	0.0	0.0
27	33.8	23.6	27.2	25.9	29.1	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.5	0.0	0.0	0.0
28	34.5	22.2	27.8	23.9	29.0	24.0	24.0	24.0	24.0	24.0	24.0	16.0	8.5	0.0	0.0	0.0
29	34.4	23.0	27.7	26.1	29.5	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
30	33.1	20.9	26.5	24.6	28.4	24.0	24.0	24.0	24.0	24.0	24.0	13.5	6.5	0.0	0.0	0.0
31	34.5	20.4	26.8	23.7	29.0	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
Total	—	—	—	—	—	744.0	744.0	744.0	744.0	744.0	737.5	440.5	231.0	0.5	0.0	0.0
Mean	34.3	21.2	27.1	24.5	29.0	24.0	24.0	24.0	24.0	24.0	23.8	14.2	7.5	0.02	0.0	0.0

Highest maximum at 2 metres 37.0 °C on 26 th. Highest minimum at 2 metres 23.6 °C on 27 th

Lowest maximum at 2 metres 31.5 °C on 3 rd. Lowest minimum at 2 metres 18.4 °C on 4 th.

Absolute minimum temperature at 5 cms. above dry soil 16.2 °C on 7 th.

" " " " wet " 16.5 °C " 4 th.

" " " " grass 15.4 °C " 3 rd & 6 th.

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

TAHRIR—JULY 1961

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	35.3	22.4	27.1	24.4	29.4	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.0	0.0	0.0	0.0
2	32.6	19.9	25.3	22.5	27.6	24.0	24.0	24.0	24.0	24.0	24.0	11.5	4.5	0.0	0.0	0.0
3	30.7	19.2	24.7	21.9	26.7	24.0	24.0	24.0	24.0	24.0	23.0	11.0	0.0	0.0	0.0	0.0
4	31.2	19.0	24.7	21.5	26.7	24.0	24.0	24.0	24.0	24.0	20.0	11.5	1.0	0.0	0.0	0.0
5	32.6	19.5	25.7	22.6	27.9	24.0	24.0	24.0	24.0	24.0	22.5	12.0	5.5	0.0	0.0	0.0
6	33.0	18.2	25.4	21.9	27.8	24.0	24.0	24.0	24.0	24.0	20.0	12.5	5.5	0.0	0.0	0.0
7	34.5	18.9	26.2	22.3	28.8	24.0	24.0	24.0	24.0	24.0	21.0	13.0	7.5	0.0	0.0	0.0
8	37.0	21.0	26.9	23.2	29.3	24.0	24.0	24.0	24.0	24.0	24.0	13.5	6.5	1.0	0.0	0.0
9	35.5	20.4	26.9	23.5	29.3	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.5	0.0	0.0	0.0
10	34.2	20.5	26.7	23.6	29.1	24.0	24.0	24.0	24.0	24.0	24.0	13.0	7.5	0.0	0.0	0.0
11	32.6	20.3	25.8	23.0	28.0	24.0	24.0	24.0	24.0	24.0	24.0	12.5	5.0	0.0	0.0	0.0
12	33.0	18.8	25.2	22.1	27.5	24.0	24.0	24.0	24.0	24.0	21.0	11.0	5.0	0.0	0.0	0.0
13	33.0	19.5	25.8	22.2	28.2	24.0	24.0	24.0	24.0	24.0	23.0	12.5	6.0	0.0	0.0	0.0
14	35.7	19.4	26.5	22.6	29.2	24.0	24.0	24.0	24.0	24.0	22.5	13.0	7.5	0.0	0.0	0.0
15	35.7	19.9	26.9	22.6	29.5	24.0	24.0	24.0	24.0	24.0	24.0	13.5	8.5	0.0	0.0	0.0
16	38.5	21.8	27.9	23.1	30.5	24.0	24.0	24.0	24.0	24.0	24.0	13.5	8.5	4.5	0.0	0.0
17	34.9	22.4	27.6	24.8	29.8	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
18	36.9	18.7	27.3	23.0	30.2	24.0	24.0	24.0	24.0	24.0	21.5	14.5	9.0	3.0	0.0	0.0
19	35.6	22.0	27.0	24.4	29.4	24.0	24.0	24.0	24.0	24.0	24.0	13.0	7.0	0.0	0.0	0.0
20	32.9	20.4	25.8	22.9	28.0	24.0	24.0	24.0	24.0	24.0	24.0	12.5	5.0	0.0	0.0	0.0
21	32.4	19.8	25.8	22.6	28.1	24.0	24.0	24.0	24.0	24.0	24.0	12.5	6.0	0.0	0.0	0.0
22	36.3	19.5	26.7	22.6	29.4	24.0	24.0	24.0	24.0	2.40	22.5	13.5	7.5	1.0	0.0	0.0
23	36.6	21.2	27.1	23.6	29.8	24.0	24.0	24.0	24.0	2.40	24.0	13.5	8.0	1.0	0.0	0.0
24	35.0	22.0	27.4	23.8	29.8	24.0	24.0	24.0	24.0	2.40	24.0	14.0	8.0	0.0	0.0	0.0
25	37.2	22.6	28.7	24.6	31.4	24.0	24.0	24.0	24.0	2.40	24.0	14.5	9.5	4.5	0.0	0.0
26	37.8	23.3	28.2	25.2	30.9	24.0	24.0	24.0	24.0	2.40	24.0	15.0	8.0	3.0	0.0	0.0
27	32.8	21.6	26.5	24.5	28.5	24.0	24.0	24.0	24.0	2.40	21.0	12.5	6.0	0.0	0.0	0.0
28	34.6	21.6	27.4	23.4	29.9	24.0	24.0	24.0	24.0	2.40	21.0	14.0	8.5	0.0	0.0	0.0
29	34.8	21.0	26.8	24.0	29.1	24.0	24.0	24.0	25.5	2.40	24.0	13.0	7.0	0.0	0.0	0.0
30	33.8	19.6	26.2	23.0	28.8	24.0	24.0	24.0	24.0	24.0	23.5	13.0	7.0	0.0	0.0	0.0
31	35.8	19.6	27.1	22.8	30.1	24.0	24.0	24.0	24.0	24.0	22.5	14.0	8.5	0.5	0.0	0.0
Total ..	—	—	—	—	—	744.0	744.0	744.0	744.0	744.0	719.0	404.5	205.5	18.5	0.0	0.0
Mean ..	34.6	20.5	26.6	23.1	29.0	24.0	24.0	24.0	24.0	24.0	23.2	13.0	6.6	0.6	0.0	0.0

Highest Maximum at 2 metres 38.5°C on 16.th — Highest Minimum at 2 metres 23.3°C on 26th.

Lowest Maximum at 2 mertes 30.7°C on 3rd. — Lowest Minimum at 2 metres 18.2°C on 6th.

Absolute minimum temperature at 5 cms. above dry soil — 17.3°C on 6 & 18th.

" " " " " " Wet soil — °C on —

" " " " " " Grass — °C on —

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

GIZA — JULY 1961

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	2.9	2.7	3.1	641	10.9	14.0	78	0	7	67	39	17.0	15.5	14.7	11.35	0.0
2	3.5	3.4	3.7	650	12.5	14.0	89	0	7	65	38	14.9	13.5	15.7	12.40	0.0
3	2.9	2.2	4.0	653	12.1	14.0	86	0	4	60	42	14.3	13.9	14.6	11.74	0.0
4	2.9	2.4	3.7	641	12.5	14.0	89	0	5	64	43	14.6	13.6	13.9	10.54	0.0
5	3.3	3.0	3.8	646	12.0	14.0	86	0	7	63	45	15.6	16.0	14.5	11.36	0.0
6	3.1	2.3	4.1	656	12.6	14.0	90	0	5	58	36	13.5	12.8	16.0	12.32	0.0
7	2.1	1.9	2.4	640	12.8	14.0	91	0	4	57	38	14.7	13.9	13.7	11.13	0.0
8	2.5	2.5	2.5	631	12.1	14.0	86	0	5	58	38	15.1	14.5	13.7	10.81	0.0
9	2.4	2.3	2.5	620	11.7	14.0	84	2	8	70	26	15.9	10.4	14.7	11.78	0.0
10	3.4	2.7	4.3	665	12.3	14.0	89	4	8	57	29	13.4	11.1	18.3	14.08	0.0
11	2.9	1.8	4.4	666	12.2	14.0	87	3	7	61	36	14.9	13.6	16.3	12.10	0.0
12	2.9	2.5	3.3	663	12.6	14.0	90	0	6	62	33	13.9	12.1	14.6	11.18	0.0
13	2.5	1.7	3.6	663	11.2	13.9	81	0	5	60	29	13.5	10.9	16.3	11.88	0.0
14	2.6	2.3	3.0	664	11.8	13.9	85	0	7	62	30	14.3	11.1	14.9	13.01	0.0
15	2.5	2.1	3.1	641	12.7	13.9	91	0	6	60	29	12.9	10.6	16.7	11.46	0.0
16	2.5	2.4	2.5	636	11.4	13.9	82	3	6	60	31	14.6	12.9	13.6	10.57	0.0
17	2.2	2.0	2.6	658	11.8	13.9	85	0	6	61	38	16.0	15.3	13.2	11.56	0.0
18	2.1	1.8	2.4	622	12.5	13.9	90	1	7	56	26	13.8	10.7	15.1	12.19	0.0
19	2.6	1.7	3.8	644	11.3	13.8	82	2	6	66	39	16.0	15.3	14.8	12.44	0.0
20	2.7	2.3	3.3	674	11.9	13.8	86	0	6	66	45	15.7	15.3	12.8	11.84	0.0
21	2.8	2.5	3.1	663	11.6	13.8	84	0	7	64	44	15.7	15.1	12.4	10.89	0.0
22	2.1	2.1	2.1	671	12.5	13.8	91	0	7	56	34	13.7	12.6	12.8	10.19	0.0
23	2.2	1.9	2.6	625	12.0	13.8	87	2	6	68	35	16.3	13.5	13.3	11.22	0.0
24	2.9	2.5	3.4	634	12.0	13.8	87	0	8	66	45	17.4	17.0	14.0	11.89	0.0
25	3.6	2.8	4.8	604	10.4	13.7	76	7	9	62	30	15.3	13.5	20.0	14.45	0.0
26	3.0	2.6	3.6	641	11.4	13.7	83	2	8	68	33	17.3	14.6	17.5	12.58	0.0
27	3.8	3.6	4.1	619	10.7	13.7	78	0	6	69	39	16.3	14.4	14.6	11.10	0.0
28	2.7	2.5	3.1	599	10.4	13.7	76	0	7	64	43	17.2	16.8	14.6	11.63	0.0
29	3.3	3.0	3.8	618	11.0	13.7	80	0	7	69	39	16.9	14.7	15.2	11.26	0.0
30	3.1	2.7	3.7	626	11.2	13.6	82	2	8	70	50	17.5	17.4	12.5	11.76	0.0
31	2.6	1.9	3.6	649	11.8	13.6	87	4	8	74	47	18.4	17.8	12.8	11.14	0.0
TOTAL	—	—	—	19883	365.9	429.9	2638	32	203	—	—	—	—	457.8	363.85	0.0
MEAN	2.8	2.4	3.4	641.4	11.8	13.9	85	1.0	6.5	63	37	15.4	13.9	14.8	11.74	—

Maximum amount of rainfall in one day ... ... — mms. on —

Lowest value of relative humidity ... ... 20 % on 16th.

Highest value of vapour pressure ... ... 20.2 mms. on 25th.

Lowest value of vapour pressure ... ... 9.3 mms. on 18th.

TABLE C 2—WIND SPEED, (SOLAR + SKY) RADIATION, DURATION OF BRIGHT SUNSHINE, RELRTIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE GROUND, EVAPORRTION AND RAINFALL

TAHRIR — JULY 1961

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	4.3	3.8	5.0	645	10.4	14.1	74	0	6	74	43	18.0	16.9	14.1	—	0.0
2	4.5	3.8	5.5	661	12.9	14.1	91	0	7	68	38	15.0	13.4	15.2	—	0.0
3	4.2	3.1	6.0	684	12.7	14.1	90	0	0	60	42	13.7	13.2	15.8	—	0.0
4	4.0	2.9	5.6	674	12.9	14.1	91	0	0	67	44	15.0	13.9	14.3	—	0.0
5	4.2	3.6	4.9	681	13.1	14.0	94	0	6	64	42	15.3	14.5	16.0	—	0.0
6	4.7	3.9	5.8	693	13.2	14.0	94	0	1	62	35	14.1	12.5	16.7	—	0.0
7	3.7	3.3	4.2	660	13.0	14.0	93	0	7	70	36	16.2	13.7	13.7	—	0.0
8	3.2	3.1	3.3	610	10.3	14.0	74	3	7	72	27	15.7	11.3	12.1	—	0.0
9	3.4	3.3	3.6	644	12.0	14.0	86	5	9	72	40	17.6	16.7	13.5	—	0.0
10	4.9	4.3	6.1	670	12.8	14.0	91	0	8	66	25	14.1	9.7	19.1	—	0.0
11	5.0	3.9	6.7	660	13.0	14.0	93	0	6	64	42	15.1	14.2	15.6	—	0.0
12	4.3	4.0	4.8	665	12.7	14.0	91	0	4	64	33	13.6	11.1	15.4	—	0.0
13	4.1	3.6	4.7	653	11.7	14.0	84	1	6	61	29	13.6	10.6	15.5	—	0.0
14	3.6	3.4	3.7	638	12.7	14.0	91	0	6	64	22	13.3	8.9	15.3	—	0.0
15	3.1	3.1	3.1	646	11.8	14.0	84	3	9	64	21	13.8	8.4	14.5	—	0.0
16	3.1	3.4	2.8	656	12.0	13.9	86	0	9	68	19	14.5	8.3	13.4	—	0.0
17	4.3	4.0	4.6	636	11.3	13.9	81	0	7	66	36	16.2	14.5	14.6	—	0.0
18	3.0	2.5	3.8	661	13.0	13.9	94	2	7	68	19	15.0	8.8	17.2	—	0.0
19	4.2	3.2	5.6	674	12.6	13.9	91	0	7	70	34	15.9	13.8	16.1	—	0.0
20	3.6	3.0	4.6	675	13.0	13.9	94	0	6	66	44	15.8	15.4	14.4	—	0.0
21	4.0	3.5	4.6	681	13.0	13.8	94	0	5	62	43	15.8	15.0	14.2	—	0.0
22	3.2	3.1	3.4	666	12.8	13.8	93	0	8	65	23	13.9	9.1	14.7	—	0.0
23	3.0	2.6	3.5	651	12.6	13.8	91	0	9	71	28	15.8	11.3	12.5	—	0.0
24	3.9	3.4	4.5	641	10.9	13.8	79	2	11	71	36	17.2	14.8	14.2	—	0.0
25	4.3	3.9	5.0	639	11.2	13.8	81	6	10	68	31	16.6	14.2	18.2	—	0.0
26	4.1	3.8	4.6	629	12.3	13.8	89	2	10	77	33	18.2	15.3	15.3	—	0.0
27	5.5	4.6	6.7	651	11.9	13.7	87	2	7	72	42	16.4	14.9	15.7	—	0.0
28	3.9	3.9	3.9	624	12.4	13.7	91	0	8	70	39	17.2	15.4	13.0	—	0.0
29	3.9	3.9	4.0	625	11.9	13.7	87	2	8	74	37	16.9	14.5	13.7	—	0.0
30	4.3	3.7	5.2	655	12.7	13.7	93	0	7	66	37	15.6	14.0	15.8	—	0.0
31	4.5	3.3	6.3	653	12.8	13.6	94	0	8	72	29	16.3	12.2	18.8	—	0.0
Total.	—	—	—	20292	381.6	431.3	—	28	209	—	—	—	—	468.6	—	0.0
Mean	4.0	3.5	4.7	654.6	12.3	13.9	89	0.9	6.7	68	34	15.5	12.9	15.1	—	—

Maximum amount of rainfall in one day	0	mms	on
Lowest value of relative humidity	18	%	on 18th and 25th.
Highest value of vapour pressure	20.4	mms.	on 26th.
Lowest value of vapour pressure	8.1	mms.	on 18th.

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

GIZA — JULY 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0·3	61.4	22.0	37.2	19.0	36.7	20.2
1	58.0	22.7	34.6	19.2	33.4	22.0
2	55.4	23.2	34.4	19.6	32.8	22.2
5	45.9	26 0	33.7	20.5	31.1	23.0
10	39 6	29.7	31.5	22.6	30.2	24.7
20	34.8	31.7	29.2	24 3	28 8	25.9
50	33.2	32.1	26.9	25.7	27.8	26.5
100	31.1	29.9	25.4	24 5	25.9	24.9
200	28.0	26 6	23.0	21.7	23.9	22.6
300	25.8	24.7	—	—	—	—

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

TAHRIR — JULY 1961

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	57.0	20.0	—	—	—	—
1	55 2	20.0	—	—	—	—
2	53.7	20.4	—	—	—	—
5	48.8	22.7	—	—	—	—
10	43 3	25 5	—	—	—	—
20	36.5	29.1	—	—	—	—
50	32 8	30.8	—	—	—	—
100	31.0	30.0	—	—	—	—
200	28 6	27.2	—	—	—	—
300	27.1	25.9	—	—	—	—
600	24.4	23.8	—	—	—	—

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

GIZA — JULY 1961

10 Knots or above..	29 Days	30 Knots or above..	0 Days.
15 „ „ ..	4 „	35 „ „ ..	0 „
20 „ „ ..	0 „	40 „ „ ..	0 „
25 „ „ ..	0 „	The highest gust 23 knots on 25th.	

G.O., Govt. Printing Offices 12262-1966-150 ex.

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 4 NUMBER 8

AUGUST, 1961

U.D.C. 551, 506,1 (62)

MINISTRY OF SCIENTIFIC RESEARCH—METEOROLOGICAL DEPARTMENT
CAIRO

CONTENTS

Page

General Summary of Weather Conditions . . . . . 1 – 5

Surface Data

Table A 1.—Monthly Means Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level . . . . . 6 • 7

,, A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours . . . . . 8 • 9

,, A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity . . . . . 10•11

,, A 4.—Maximum and Minimum Air Temperatures . . . . . 12•13

,, A 5.—Rainfall and Snow Depth . . . . . 14•15

,, A 6 .—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 16

,, A 7.—Soil Temperatures at Fixed Hours 17–19

,, A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena . . . . . 20•21

,, A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges . . . . . 22•23

,, A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 24–46

Upper Air Data

Table B 1.—Upper Air Climatological Data. 47–49

,, B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air . . . . . 50•51

,, B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces 52–57

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir 58

Table C 1—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields. . . . . 59•60

,, C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall . . . . . 61•62

,, C 3.—Extreme Soil Temperatures at Different Depths in Different Fields 63

,, C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity 64

Note :—For explanatory notes on tables, please refer to volume 4 number 1(January 1961).

GENERAL SUMMARY OF WEATHER CONDITIONS

AUGUST 1961

Mild Mediterranean coastal and precoastal districts, excessively hot far interior districts. Almost dusty at Deir Ezzor and Palmyra. Almost misty or cloudy Delta and Cairo areas in the early morning

THE MAIN FEATURES

—Excessively high maximum temperature far inland districts particularly round the 15 th.

—Subnormal relative humidity values in general, rather pronounced over the far inland districts.

—Almost rainless.

—The prevalence of the Monsoon low pressure systems over the Arabian Gulf and the Great Sahara of Africa the whole month and their northward oscillation through the Middle latitudes six consecutive times.

—Occasional rising dust or sand over El Gazira and Desert Districts.

—Early morning low stratus or mist Delta and Cairo areas.

GENERAL DESCRIPTION OF WEATHER

During this month, the prevailing weather was mild over the Mediterranean Coastal and precoastal districts where maximum temperature oscillated between 29°C & 32°C and between 32°C 36°C respectively. Over the far inland districts, the prevailing weather was generally hot and maximum temperature oscillated between 37°C & 42°C, but during the 2nd half and the 3rd week it was excessively hot in the Northern and Southern Regions respectively. The prevailing heat wave reached its peak round the 15th when maximum temperauture attained 44°C (8°C above normal) at Kamishly, 44°C (4°C above normal) at Deir Ezzor & 43°C (3°C above normal) at Aswan.

Dusty days were frequent over the Desert & El Gazira districts of the Northern Region, while misty days were frequent over Delta & Cairo areas.

The monthly mean values of various meteorological elements for different districts and their deviations from their corresponding normals are given in the following table :

District	Atmospheric pressure (mb.) Corrected to M.S.L.			Air temperature (°C)						Relative humidity (%)			Total rainfall (mms)	
				Maximum (A)		Minimum (B)		(A+B)/2						
	Derivation of the mean values (a,c)	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Derivation of the mean values (a,e)	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	a	11.1	— 0.6	28.9	— 0.4	22.4	0.0	25.6	— 0.2	a	74	+1	0.0	0.0
Lower Egypt	c	8.8	— 0.2	33.9	— 0.5	20.2	+ 0.1	27.0	— 0.2	e	81	+5	0.0	— 0.2
Cairo Area	a	8.1	— 0.4	34.0	— 0.8	21.7	+ 0.4	27.8	— 0.2	a	58	—1	0.0	0.0
Upper Egypt	a	7.0	0.0	38.2	— 0.8	22.1	— 0.1	30.2	— 0.4	a	39	—3	0.0	0.0
Western Desert	a	8.3	— 0.6	37.5	— 0.7	21.0	— 1.0	29.2	— 0.8	a	29	—7	0.0	0.0
Red Sea	a	4.9	— 0.3	34.1	— 0.2	25.9	+ 0.4	30.0	+ 0.1	a	52	—4	0.0	0.0

a= the 24 hours mean. c= 4 main synoptic hours mean. e= 06 & 18 U.T. hours mean.

PRESSURE DISTRIBUTION

The characteristic features of the flow patterns aloft can be confined in the planetary wave in the Northern latitudes with its two closed upper lows over North Atlantic and North Russia together with the high pressure belt beneath in the Middle latitudes zone.

Over the surface map the prevailing pressure systems were the following large scale pressure distributions.

—The Monsoon low pressure systems over the Arabian Gulf and the African Great Sahara.

—The anticyclone high pressure system occupying West Russia, Europe, Mediterranean and North Africa coastal strip.

—The far northern deep Atlantic low pressure systems crossing north latitudes from West to East or North East.

During this month the motion of the deep low pressure systems of North Atlantic through west Europe and their approach in their course towards the Balkans, the Black Sea and Caspian Sea vicinities was accompanied by a southward oscillation of the upper deep troughs in north latitudes over north Atlantic and North Russia through the Middle latitudes. Accordingly both the complex Monsoon troughs of low pressure over the Arabian Gulf and the Great Sahara of Africa, experienced consecutive northward oscillations. In particular the Monsoon low pressure system of the Arabian Gulf showed six northwest and northwards oscillations round the periods, (lst—2nd), (6th—8th) (10th—12th), (15th—18th), (21st—25th) and (27th—30th) during which, the barometric pressure was subnormal over districts of both Regions.

On the other hand the high pressure system occupying West Russia, Europe, Mediterranean and North Africa was stationary the whole month, through it, experienced a relative and moderate intensification at the rear of the travelling deep northern troughs of low pressure.

SURFACE WIND

Light / moderate Northerly winds prevailed most this month. Calms were frequent most of the night and early morning periods over scattered localities of upper Egypt and Western Desert districts.

TEMPERATURE

Maximum temperatures continued slightly (1°C—3°C) above its normal value over the Mediterranean coastal districts and ranged between 29°C and 32°C in general. Over the inland districts it continued above its normal in the Northern Region where it ranged between 36°C and 41°C over the Desert districts, between 39°C and 45°C over North eastern district. On the other hand over the Southern Region maximum temperature oscillated round its normal within the ranges (33°C—38°C) & (38°C —44°C) over Middle Egypt and Upper Egypt districts respectively.

The absolute maximum temperature for the Northern Region was 44°C at Deir Ezzor on the 15th & 17th and at Ras El Ein on the 15th & 16th. While the corresponding value for the Southern Region was 44.3 °C at Kharga on the 14th.

Minimum temperature oscillated above normal (1°C—4°C) over the coastal and precoastal districts of the Northern Region where it fell within ranges (21°C—25°C) & (16°C—25°C) respectively with the exception of the mountainous localities where it oscillated round its normal. Over the Southern Region minimum temperature oscillated below its normal generally over the western part of the coastal strip, and Upper Egypt and oscillated slightly above its normal (2°C — 4°C) elsewhere. Minimum temperature values there practically fell within the ranges (18°C—21°C), (21°C—25°C) & (22°C—27°C) over the coastal, precoastal and far inland districts respectively.

The absolute minimum temperature for the Northern Region was 4°C at Madaya on the 24th. While the corresponding value for the Southern Region was 16°C at Shebin El Kom on the 20th.

PRECIPITATION

This month was rainless in the Southern Region.

MISCELLANEOUS WEATHER PHENOMENA

Mist patches developed at Sidi Barrani on the 13th, Mersa Matruh on the 15th; Ghazza on the 13th & 18th; Tahrir on the 4th, 6th, 8th, 12th, 15th, 17th, 19th, (21st—24th), 29th & 31st; Abu Sueir on the 4th, 7th, 9th, 10th, 12th, 14th, 16th, 24th, 30th & 31st; Zaher on the 14th, 27th, 28th & 29th; Inshas on the 14th, 17th, 27th & 29th; Cairo on 1st, 2nd, 4th, 5th, (7th—12th), 14th, 16th, 17th, 19th, (21st—27th) & (29th—31st); Mostafa Helmi on the (4th—14th), 17th, 18th, 21st, 23rd, 24th, (26th —30th); Almaza on the 4th, 5th, (7th—12th), 14th, 16th, 17th, 18th, 23rd, 24th, 26th, 27th, 29th & 30th; Abbasiya on the 4th, & 14th; Imbaba on the 14th, 17th & 21st; Giza on the 6th and at Bahariya on the 21st.

Fog patches developed at : Sidi Barrani on the 13th; Mersa Matruh on the 14 th; Gazza on the 18 th; Mansoura on the 14th, Tahrir on the 14 th & 24th; Abu Sueir on the 12th; Cairo on the 14th & 24th and at Mostafa Helmi on the 6th, 14th & 17th.

Local rising sand or dust was reported at : Tahrir on the 31st; Frafra and Dakhla on the 1st and at kharga on the 1st, 16th 24th, 27th & 28th.

Sand or duststorms blew over : Quseir on the 6th.

Cairo, September 1969

M. F. TAHA
UNDER SECRETARY OF STATE
DIRECTOR GENERAL
METEOROLOGICAL DEPARTMENT

SURFACE DATA

Table A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO Hp AND TO MEAN SEA LEVEL

AUGUST 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metter)	Mean Sea Level Pressure (mb) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal
Mediterranean	Sallum	6.0	1009.8	—	1010.2	+0.3	1010.0	+0.4	1010.0	+0.1	5.2	1010.3	—	1010.7	+0.4	1010.5	+0.5	1010.6	+0.3
	Sidi Barrani	22.8	1007.1	+0.2	1007.6	—0.5	1007.6	+0.1	1007.6	+0.3	24.0	1009.9	+0.2	1010 4	—0.5	1010.4	+0.1	1010.4	+0.3
	Mersa Matruh (A)	30.0	1006.4	+0.3	1006.7	+0.4	1006.7	+0.4	1006.7	+0.4	30.0	1010.1	+0.3	1010.4	+0.4	1010.4	+0.4	1010.4	+0.4
	Dabaa	18.0	1006.7	—	1007.2	—	1007.3	—	1007.3	—	17.8	1008.7	—	1009.2	—	1009.3	—	1009.3	—
	Dekheila (A)	6.0	1008.3	—	1008.9	—0.5	1008.8	—0.7	1008.8	—	5.9	1008.9	—	1009.5	—0.5	1009.4	—0.7	1009.4	—
	Alexandria (A)	7.0	1007.6	0.0	1008.3	+0.1	1008.3	+0.2	1008.3	+0.2	6.8	1008.4	0.0	1009.1	+0.1	1009.1	+0.2	1009.1	+0.2
	Balteam	2.0	1007.9	—	1008.4	—	1008.2	—	1008.3	—	2.0	1008.1	—	1008.6	—	1008.4	—	1008.5	—
	Damietta	5.0	1007.3	—	1007.8	—0.6	1007.4	—0.5	1007.5	—0.5	5.0	1007.7	—	1008.2	—0.6	1007.8	—0.5	1007.9	—0.5
	Port Said (A)	7.4	1006.8	—0.2	1007.6	—0.1	1007.1	—0.1	1007.2	—0.1	6.1	1007.5	—0.2	1008.3	—0.1	1007.8	—0.1	1007.9	—0.1
	El Arish	17.1	1005.6	—0 2	1006.5	—1.0	1005.8	—1.0	1006.1	—1.0	17.1	1007.5	—0.2	1008.4	—1.0	1007.7	—1.0	1008.0	—1.0
	Ghazza	15.7	1005.5	—	1006.2	—	1005.7	—	1005.8	—	15.7	1007.3	—	1008.0	—	1007.5	—	1007.6	—
Lower Egypt	Mansoura	4.0	1008.4	—	1008.8	+0.2	1007.6	+0.1	1007.9	—0.3	3.6	1008.8	—	1009.2	+0.2	1008.0	+0.1	1008.3	—0.3
	Damanhour	6.7	1008.1	—	1008.3	—0.5	1008.1	—0.1	1008.3	—0.3	6.7	1008.8	—	1009.0	—0.5	1008.8	—0.1	1009.0	—0.3
	Gimmeiza	8.9	1008.2	—	1008.6	+0.3	1007.9	+0.6	1007.9	+0.2	8.9	1009 2	—	1009.6	+0.3	1008.9	+0.6	1008.9	+0.2
	Tanta	14.8	1006.7	—	1007.0	—0.8	1006.3	—0.5	1006.8	—0.5	15.4	1008.4	—	1008.7	—0.8	1008.0	—0.5	1008.5	—0.5
	Tahrir	16.0	1006.4	—	1006.8	—	1005.7	—	1006.3	—	18.6	1008.7	—	1008.9	—	1007.8	—	1008.4	—
	Shebin El Kom	17.9	1006.0	—	1006.8	—1.1	1005.6	—1.2	1006.3	—1.1	17.9	1008 2	—	1009.0	—1.1	1007.9	—0.9	1008.6	—1.0
	Zagazig	13.0	1007.2	—	1007.8	—0.2	1006.7	—0.3	1007.2	—0.4	13.0	1008.8	—	1009.4	—0.2	1008.3	—0.3	1008.8	—0.4
	Abu Sueir (A)	16.0	1006.6	—	1007 4	—	1005.8	—	1006.7	—	16.0	1008.5	—	1009 2	—	1007.6	—	1008.5	—
	Zaher (A)	23.5	1003.9	—	1004.5	—	1003.6	—	1003.7	—	23.3	1007.4	—	1008.0	—	1007.0	—	1007.2	—
	Wadi El Natrun	0.9	1009.3	—	1009.7	+0.4	1009.1	+2.0	1008.6	+0.3	0.9	1009.4	—	1009.8	+0.4	1009 2	+2.0	1008.7	+0.3
	Inshas (A)	25.5	1004.3	—	1005.2	—	1003.9	—	1004.4	—	25.6	1007.3	—	1008.2	—	1006.9	—	1007.4	—
	Fayed (A)	35.0	1006.1	—	1007.0	—	1005.2	—	1005.9	—	35.0	1008.6	—	1009.4	—	1007.9	—	1008.3	—
	Kabrit (A)	4.9	1007.0	—	1007.9	—	1006.1	—	1006.7	—	4.8	1008.3	—	1009.2	—	1007.4	—	1008.0	—
Cairo Area	Cairo (A)	74.5	1000.9	—0.5	1001.7	—0.4	1000.4	—0.3	1000.7	—0.5	74.0	1008.4	—0.5	1009.1	—0.4	1007.6	—0.4	1007.9	—0.7
	Mostafa Helmi (A)	164.0	989.8	—	990.6	—	989.3	—	989.8	—	164.0	1008.6	—	1009.3	—	1007.5	—	1008.3	—
	Almaza (A)	78.5	999.1	—0.5	999.8	—0.4	998.6	—0.4	998.9	—0.5	78.6	1008.1	—0.5	1008.8	—0.4	1007.4	—0.4	1007.9	—0.4
	Abbasiya (H.Q.)	26.4	1006.2	—	1006.8	—	1005.4	—	1005.7	—	26.4	1009.3	—	1009.9	—	1008.4	—	1008.7	—
	Imbaba (A)	19.0	1006.4	—	1007.1	—	1005.6	—	1005.7	—	19.0	1008.5	—	1009.2	—	1007.7	—	1007.8	—
	Giza	22.5	1005.8	—	1006.4	—0.2	1005.0	—0.4	1005.3	—0.5	22.5	1008.5	—	1009.1	—0.2	1007.7	—0.4	1008.0	—0.5
	Helwan	115.5	—	—	996.0	—0.2	994.4	0.0	994.7	—0.4	115.6	—	—	1009.2	—0.2	1007.1	0.0	1007.6	—0 4

Table A 1 (*contd.*).—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO Hp AND TO MEAN SEA LEVEL

AUGUST 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal
Upper Egypt	Fayoum	23.3	1005.8	—	1006.7	+0.8	1004.8	+0.5	1004.9	+0.6	23.3	1008.7	—	1009.6	+0.8	1007.6	+0.5	1007.7	+0.6
	Beni Suef	30.0	1004.7	—	1005.6	+0.2	1004.0	+0.1	1003.9	+0.3	30.0	1008.2	—	1009.0	+0.2	1007.3	+0.1	1007.3	+0.4
	Minya (A)	40.0	1002.6	—0.3	1003.8	—0.1	1002.6	—0.2	1001.8	—0.5	40.3	1007.3	—0.3	1008.5	—0.1	1007.0	—0.2	1006.4	—0.4
	Asyout (Mangabad) (A)	69.6	999.4	+0.5	1001.2	+0.5	999.6	+0.7	999.1	+0.4	69.5	1007.4	+0.6	1009.2	+0.6	1007.4	+0.7	1007.0	+0.4
	Nag Hammadi	70.5	996.8	—	998.6	—1.2	997.2	—0.8	996.8	—1.2	70.5	1005.0	—	1006.3	—1.4	1004.9	—0.8	1004.7	—1.2
	Kena	74.2	997.4	—	999.4	+0.6	997.7	+0.7	997.5	+0.4	74.2	1006.0	—	1007.8	+0.6	1005.8	+0.7	1005.9	+0.6
	Luxor (A)	88.5	995.3	—0.4	996.9	—0.3	995.3	—0.1	995.1	—0.3	88.4	1005.3	—0.4	1006.9	—0.2	1005.0	—0.1	1005.0	—0.3
	Kom Ombo	102.6	994.2	—	995.7	—	994.1	—	993.9	—	102.6	1005.7	—	1007.2	—	1005.3	—	1005.4	—
	Aswan (A)	193.5	983.4	—	984.7	—0.7	982.5	—1.4	983.0	—0.9	193.5	1005.2	—	1006.3	—0.7	1003.4	—1.4	1004.5	—0.8
Western Desert	Siwa	—13.5	1011.6	+0.5	1012.9	+0.3	1011.4	+0.4	1010.4	+0.2	—13.3	1010.0	+0.5	1011.2	+0.2	1009.8	+0.4	1008.8	+0.2
	Bahariya	129.5	993.8	—	994.9	—0.9	993.3	—1.4	992.8	—1.9	129.6	1008.5	—	1009.6	—0.7	1007.4	—1.4	1007.1	—2.0
	Farafra	91.8	1000.0	—	1001.2	+1.0	1000.2	+1.2	999.4	+0.5	92.1	1010.2	—	1011.3	+1.2	1010.0	+1.4	1009.4	+0.6
	Dakhla	111.5	994.2	—	995.7	+0.2	993.5	—0.3	993.2	—1.0	111.5	1007.0	—	1008.4	+0.2	1005.6	—0.3	1005.6	—1.0
	Kharga	72.8	998.2	—	999.7	—0.7	998.1	—1.3	997.8	—1.6	73.0	1006.4	—	1007.7	—0.7	1005.8	—1.3	1005.8	—1.4
Red Sea	Suez	11.0	1006.7	—	1007.6	+0.1	1006.3	—0.3	1006.4	0.0	12.2	1007.9	—	1008.8	+0.1	1007.5	—0.3	1007.6	0.0
	Tor	4.2	1003.7	—	1005.6	—0.4	1004.2	—0.9	1003.6	—1.0	4.2	1004.1	—	1006.0	—0.4	1004.6	—0.9	1004.0	—1.0
	Hurghada	2.8	1004.7	+1.2	1006.4	+0.7	1004.7	+0.4	1004.6	+0.6	2.8	1004.9	+1.2	1006.6	+0.7	1004.9	+0.4	1004.8	+0.6
	Quseir	11.3	1003.1	—	1004.7	—0.4	1003.7	—1.0	1003.6	—0.8	11.3	1004.1	—	1005.7	—0.4	1004.7	—1.0	1004.6	—0.8
	Abul Kizan	5.0	1004.6	—	1005.6	—	1004.9	—	1004.7	—	5.0	1005.1	—	1006.1	—	1005.5	—	1005.2	—

Table A 2.—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

AUGUST 1961

District	Station	Dry bulb temperature (°C)								Wet 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
Mediterranean	Sallum	22.9	—	25.0	—1.8	29.7	—0.1	25.9	—0.7	20.8	—	21.5	—0.7	21.8	—1.6	21.7	—0.7	82	—	72	+ 6	47	— 9	67	— 1
	Sidi Barrani	22.8	—1.0	25.2	—0.8	27.9	—0.5	24.9	—0.8	20.7	—0.9	21.9	—0.9	22.8	—1.1	21.8	—1.1	82	0	74	— 1	63	— 4	75	— 3
	Mersa Matruh (A)	22.2	—0.6	25.4	—0.8	28.6	+0.1	24.9	—0.8	20 2	—0.5	21.7	—0.8	22.6	—0.9	21.8	—0.8	83	+ 1	71	— 1	58	— 6	75	— 1
	Dabaa	22.5	—	26.0	—0.4	29.0	+1.2	24.5	—1.2	22.0	—	23.9	+1.0	24.5	+2.1	23.2	+0.7	95	—	83	+10	67	+ 6	89	+14
	Dekheila (A)	24.2	—	26.0	—0.7	28.6	+1.1	25.3	—	21.9	—	22.6	—1.4	23.6	—1.1	22.4	—	81	—	73	— 6	64	—15	77	—
	Alexandria (A)	24.2	+0.4	27.5	+0.4	29.9	+0.4	25.4	—0.2	21.9	0.0	23.3	0.0	24.2	+0.1	22.5	—0.3	81	— 3	69	— 2	60	— 2	77	— 1
	Balteam	24.3	—	27.2	—	29.8	—	25.5	—	22.0	—	23.2	—	24.0	—	22.6	—	81	—	69	—	60	—	77	—
	Damietta	23.4	—	26.2	—1.2	30.8	+1.2	25.4	—0.7	22.2	—	23.6	—0.4	25.1	+0.7	23.3	—0.4	90	—	79	+ 5	61	— 2	83	+ 2
	Port Said (A)	25.4	—0.5	26.3	—0.9	29.8	+0 2	26.5	—0.6	22.6	—0.4	23.0	—0.6	24.5	—0.1	23.4	—0.6	78	+ 1	74	+ 2	63	— 1	76	0
	El Arish	23.9	0.0	27.7	—0.8	30.2	+0.8	26.5	—0.3	22 2	+0.1	23.6	—0.5	24.7	—0.3	24.6	+0.8	86	+ 1	70	+ 2	62	— 6	77	0
	Ghazza	24.0	—	27.2	—	28.5	—	26.9	—	22.0	—	23.6	—	24.6	—	23.9	—	83	—	72	—	71	—	77	—
Lower Egypt	El Sirw	22.8	—	26.2	—0.9	31.2	0.0	25.3	—0.7	—	—	23.4	—0.6	24.7	—0.8	23.4	—0.4	—	—	78	+ 2	56	— 5	84	+ 2
	Sakha	21.1	—	24.9	—1.7	32.7	—0.6	25.7	+0.2	—	—	23.0	—0.6	24.3	—0.9	23.2	+0.4	—	—	84	+ 7	47	— 3	80	+ 1
	Mansoura	20.8	—	25.7	—0.5	32.5	—1.5	25.3	—1.1	19.6	—	23.1	+0.1	23.8	+0.2	21.8	—0.7	89	—	79	+ 4	46	+ 7	72	+ 2
	Damanhour	22.0	—	25.4	—1.6	31.7	—0.1	25.1	—0.3	—	—	23.0	—0.6	24.2	+0.2	22.6	0.0	—	—	80	+ 6	52	+ 2	80	+ 2
	Gimmeiza	21.5	—	25.5	—0.7	34.2	+0.7	27.1	+1.7	—	—	24.5	+0.8	28.7	+3.8	25.5	+2.5	—	—	92	+12	65	+15	87	+ 6
	Tanta	22.4	—	25.9	—0.1	34.0	+0.3	26.6	+0.7	20.9	—	23.1	—0.1	24.7	+0.6	22.4	+0.2	87	—	78	0	44	+ 2	68	— 4
	Tahrir	22.4	—	25.5	—	33.5	—	26.4	—	20.8	—	22.1	—	22.2	—	21.9	—	86	—	73	—	34	—	66	—
	Shebin El Kom	21.8	—	25.1	—0.8	32.6	—1.3	25 4	—1.7	—	—	22.9	+0.4	24.4	+1.0	22.5	+0.4	—	—	82	+ 9	48	+10	77	+14
	Zagazig	22.6	—	24.6	—2.1	32.3	—1.4	27.3	+0.4	—	—	22.3	—1.4	23.7	—1.1	22.7	—0.3	—	—	81	+ 4	46	0	66	— 4
	Abu Sueir (A)	23.8	—	25.8	—	34.4	—	28.6	—	21.4	—	22.2	—	22.5	—	22.3	—	80	—	72	—	32	—	56	—
	Zaher (A)	22.9	—	24.8	—	33.2	—	28.2	—	21.0	—	21.9	—	22.7	—	22.0	—	84	—	77	—	37	—	56	—
	Wadi El Natrun	23.0	—	25.6	—0.4	34.7	—0.5	27.6	—1.0	20.4	—	22.0	—0.3	21.4	—1.4	21.3	—0.8	78	—	71	— 1	26	— 5	54	— 1
	Inshas (A)	22.3	—	24.8	—	32.9	—	27 2	—	20.1	—	21.4	—	23.3	—	21.9	—	81	—	73	—	41	—	60	—
	Fayed (A)	24.5	—	26.5	—	35.3	—	29 5	—	21 2	—	22.1	—	23.0	—	22.6	—	73	—	66	—	31	—	53	—
	Kabrit (A)	24.6	—	25.3	—	33.5	—	28.8	—	21.6	—	21.8	—	22.3	—	22.6	—	76	—	72	—	34	—	57	—
Cairo Area	Cairo (A)	23.1	—0.6	24.5	—0.5	32.6	—0.8	28.9	—0.4	21.2	+0.2	21.7	0.0	22.3	+0.9	21.8	—0.1	84	+ 6	77	+ 3	37	+ 3	52	+ 2
	Mostafa Helmi (A)	22.2	—	24.0	—	33.2	—	27.4	—	20.2	—	20.8	—	21.4	—	21.0	—	83	—	74	—	31	—	54	—
	Almaza (A)	22.9	—1.3	24.2	—1.0	33.0	—0.5	28.3	—1.3	20.3	—1.2	20.7	—1.2	22.2	0.0	21.2	—1.0	78	0	72	— 2	36	+ 2	51	+ 1
	Abbasiya (H. Q)	23.5	—	25.6	—	33.6	—	28.5	—	21.7	—	22.3	—	23.4	—	22.5	—	85	—	74	—	39	—	58	—
	Imbaba (A)	22.7	—	25.3	—	33.5	—	28.0	—	20.4	—	22.2	—	23.6	—	22.2	—	80	—	75	—	41	—	58	—
	Giza	22.9	—	24.7	—0.7	32.9	—1.2	28.3	0.0	21.1	—	21.8	—0.6	22.4	—0.6	21.7	—0.3	85	—	77	+ 1	37	+ 1	54	— 2
	Helwan	—	—	24.4	—0.6	33.1	—0.7	29.3	—0.7	—	—	21.2	+0.1	21.0	+0.1	21.3	+0.5	—	—	74	+ 5	30	+ 3	46	+ 6

Table A2 (*contd*).—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS

AUGUST 1961

District	Station	Dry bulb temperature (°C)								Wet 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
Upper Egypt	Fayoum	24.0	—	25.8	—0.4	35.1	+0.4	30.2	+0.5	20.7	—	21.9	—0.2	23.7	+1.9	21.1	—0.2	73	—	70	+ 2	35	+ 7	41	— 3
	Beni Suef	23.1	—	24.9	—2.4	34.7	—1.8	28.2	—1.2	19.6	—	21.1	—1.3	22.3	—0.7	21.0	—0.3	71	—	70	+ 6	30	+ 2	50	+ 4
	Seds	22.8	—	25.5	—1.2	33.5	—1.3	27.6	—0.2	—	—	22.7	—0.4	23.4	0.0	21.6	0.0	—	—	78	+ 5	40	+ 5	57	+ 1
	Minya (A)	23.3	+0.1	25.2	—0.7	34.6	—1.0	27.7	—0.6	19.3	—0.3	21.4	—0.2	21.8	—0.3	20.4	—0.2	67	+2	70	+ 3	28	+ 1	48	+ 1
	Mallawi	20.7	—	24.2	—	33.2	—	26.0	—	—	—	22.1	—	23.9	—	21.4	—	—	—	83	—	43	—	65	—
	Asyout (Mangabad (A)	24.9	—1.2	25.4	—1.4	34.7	—1.5	29.8	—1.1	17.7	—0.3	20.1	—0.2	20.6	—1.2	20.0	0.0	46	+4	59	+ 6	22	— 1	36	+ 4
	Shandaweel	23.4	—	27.2	—1.3	35.5	—1.1	27.6	—1.0	—	—	22.8	+0.5	24.8	+0.4	22.5	+0.5	—	—	67	+10	39	+ 6	63	+ 9
	Nag Hammadi	23.5	—	26.1	—2.9	36.0	—1.1	29.3	—0.1	—	—	21.3	—0.3	24.1	—1.1	22.4	+1.2	—	—	64	+14	34	+ 8	53	+ 8
	Kena	26.6	—	29.9	—0.5	37.7	—2.4	31.1	—2.1	—	—	22.0	+1.9	24.7	+1.8	21.3	+0.4	—	—	47	+ 8	31	+12	38	+ 9
	Luxor (A)	27.1	—0.4	30.8	—1.4	38.5	—1.4	32.0	—1.9	18.0	+0.6	20.4	+0.2	21.6	—0.3	20.1	—1.8	37	+5	35	+ 6	17	+2	29	+ 6
	Kom Ombo	26.6	—	31.4	—	40.3	—	32.1	—	17.3	—	20.2	—	21.9	—	19.7	—	35	—	31	—	15	—	27	—
	Aswan (A)	28.0	—	31.3	—0.3	39.6	—0.7	34.6	—1.4	16.4	—	18.3	—2.1	20.3	—2.5	18.2	—2.9	24	—	23	— 9	11	— 7	13	— 8
Western Desert	Siwa	24.5	—0.9	24.3	—1.1	35.0	—1.2	31.5	—1.0	18.0	—1.0	19.9	—0.5	20.0	—1.5	18.8	—1.2	50	—1	65	+ 3	19	— 3	24	— 3
	Bahariya	24.6	—	25.1	—0.9	35.9	+0.7	31.8	+1.3	19.5	—	20.5	—0.6	21.3	—1.2	19.6	—1.2	60	—	64	+ 1	22	— 8	27	—11
	Farafra	24.6	—	25.8	—1.5	36.1	—0.4	30.7	0.0	14.3	—	16.2	—3.8	18.7	—3.7	16.5	—3.0	26	—	32	—16	12	—13	15	—16
	Dakhla	24.1	—	27.7	—1.3	36.8	—0.4	31.1	—1.5	15.1	—	17.7	—0.9	19.8	—0.8	17.7	—1.0	33	—	33	+ 1	14	— 3	20	0
	Kharga	24.8	—	29.5	—0.2	38.6	+0.3	31.9	—1.3	16.7	—	19.5	—1.3	21.8	—1.8	19.2	—1.8	40	—	35	— 6	18	— 7	25	— 4
Red Sea	Suez	26.5	—	26.1	—0.5	33.8	—0.8	30.2	+0.5	—	—	23.6	+0.8	24.1	+1.2	24.2	+1.1	—	—	80	+ 9	42	+ 8	59	+ 4
	Tor	27.6	—	28.5	—0.1	31.7	—0.7	30.5	+0.4	23.3	—	23.7	—0.9	24.4	—1.0	23.5	—0.2	68	—	65	— 5	53	— 2	53	— 3
	Hurghada	27.5	—0.5	29.9	+0.7	32.8	+1.3	30.3	—0.4	19.4	—1.3	22.2	—1.0	23.9	—1.5	22.4	—1.1	43	—6	48	—10	45	—14	48	— 4
	Quseir	28.1	—	31.5	0.0	32.4	+0.1	30.0	—0.3	20.3	—	22.6	—0.6	25.4	—0.6	23.8	—0.1	46	—	43	— 4	55	— 4	57	+ 1
	Abul Kizan	29.7	—	31.9	+0.4	31.4	—0.9	30.1	+0.1	—	—	27.4	+0.1	27.8	—0.1	27.6	+0.2	—	—	70	— 1	75	+ 5	82	+ 2

Table A3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

AUGUST 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a, b, c, d	Station Pressure corrected to Hp		M.S.L. Pressure		Maximum (A)		Minimum (B)		(A+B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a, b, c, d	Mean	Dev. from normal	Deriv. of the mean values, a, b, c, d.	Mean	Dev. from normal			
Mediterranean	Sallum	a	1010.0	+0.3	1010.5	+0.4	30.7	—0.6	21.6	+0.6	26.2	a	25.9	—0.1	a	21.4	—0.4	a	66	—1
	Sidi Barrani	a	1007.4	—0.1	1010.2	—0.1	27.6	—1.6	21.8	—0.4	24.7	a	25.1	—0.5	a	21.7	+0.1	a	73	—8
	Mersa Matruh (A)	a	1006.7	—0.7	1010.4	—0.7	29.8	+0.2	20.7	—0.5	25.2	a	25.1	—0.5	a	21.5	—0.7	a	72	—1
	Dabaa	a	1007.1	—	1009 1	—	29.4	—0.6	21.4	—0.2	25.4	a	25.4	+0.1	a	23.3	—	a	83	+9
	Dekheila (A)	a	1008.7	—	1009.3	—	29.0	+0.7	23.4	—0.7	26.2	a	26.0	—	a	22.6	—	a	73	—
	Alexandria (A)	a	1008.1	—0.5	1008.9	—0.5	30.6	+0.3	23.2	+0.5	26.9	a	26.6	0.0	a	22.9	0.0	a	72	0
	Balteam	a	1008.2	—	1008.4	—	30.5	—	23.3	—	26.9	a	26.6	—	a	22.9	—	a	72	—
	Damietta	a	1007.5	—0.8	1007.9	—0.8	31.6	+0 1	21.6	+0 1	26.6	a	26.3	+0.1	a	23.3	—0.1	a	77	—1
	Port Said (A)	a	1007.1	—0.5	1007.8	—0.5	29.6	—1.1	24.6	—0.4	27.1	a	27.0	—0.4	a	23.3	—0.6	a	72	—1
	El Arish	a	1006.0	—0.9	1007.9	—0.9	30.9	0.0	22.8	—1.0	26.8	a	26.8	+0.2	a	23.4	+0.5	a	74	+2
	Ghazza	a	1005.8	—	1007.6	—	29.4	—1.3	22.4	+1.8	25.9	a	26.5	—	a	23.4	—	a	76	—
Lower Egypt	El Sirw	—	—	—	—	—	32.4	+0.6	20.9	+0.6	26.6	c	26.4	+0.2	c	24.0	+0.5	e	81	+2
	Sakha	—	—	—	—	—	33.6	—0.3	19.5	+0.2	26.6	c	26.1	—0.1	c	23.8	+0.4	e	82	+4
	Mansoura	a	1008.2	+0.1	1008.6	+0.1	33.3	—1.5	19.2	—1.6	26.2	a	26.0	—0.8	a	21.8	—1.3	a	67	—5
	Damanhour	c	1008.2	+0.2	1008.9	+0.2	32.4	—0.4	20.6	0.0	26.5	c	26.0	—0.2	c	23.5	+0.4	e	80	+4
	Gimneiza	c	1008.2	+0.4	1009 2	+0.4	35.0	+0.4	20.0	+0.8	27.5	c	27.1	+1.0	c	25.8	+2.2	e	90	+10
	Tanta	a	1006.7	—0.6	1008.4	—0.7	34.6	+0.1	21.2	+2.0	27 9	a	27.2	+1.0	a	22.7	—0.3	a	66	—9
	Tahrir	a	1006.2	—	1008.4	—	34.6	—0.5	21.0	+0.1	27.8	a	26.9	—	a	21.7	—	a	61	—
	Shebin El Kom	c	1006.2	—1.2	1008.4	—1.3	34.1	—1.0	18.8	—1.7	26.4	c	26.2	—0.6	c	23.7	+1.1	e	80	+12
	Zagazig	c	1007.2	—0.3	1008.8	—0.3	33.5	—1.2	21.0	+0.9	27.2	c	26.7	—0 1	c	23.3	—0.1	e	74	0
	Abu Sueir (A)	a	1006.6	—	1008.4	—	35.9	—	22.1	—	29.0	a	28.1	—	a	22.0	—	a	57	—
	Zaher (A)	a	1004.0	—	1007.3	—	34-2	—	21.8	—	28.0	a	27.3	—	a	21.9	—	a	60	—
	Wadi El Natrun	a	1009.1	+0.9	1009.2	+0.9	35.7	—0.9	20.2	—0.8	28.0	a	27.7	0.0	a	21.1	—1.7	a	53	—11
	Inshas (A)	a	1004.4	—	1007.4	—	33.7	—	21.3	—	27.5	a	26.9	—	a	21.7	—	a	61	—
	Fayed (A)	a	1006.0	—	1008.4	—	36.4	—	22.8	—	29.6	a	29.0	—	a	22.1	—	a	53	—
	Kabrit (A)	a	1006.9	—	1008.2	—	34.9	—	23.1	—	29.0	a	28.1	—	a	22.1	—	a	57	—
Cairo Area	Cairo (A)	a	1000.9	—0.2	1008.2	—0.3	33.8	—0.9	22.0	+0.5	27.9	a	27.4	—0.5	a	21.7	0.0	a	58	+2
	Mostafa Helmi (A)	a	990.1	—	1008.4	—	34.0	—	20.9	—	27.4	a	26.7	—	a	20.8	—	a	57	—
	Almaza (A)	a	999.1	—0.6	1008.1	—0.6	33.8	—1.0	21.7	—0.3	27.8	a	27.1	—1.1	a	21.1	—0.9	a	57	+1
	Abbasiya H.Q.)	a	1006.0	—	1009.1	—	35.1	—	22.3	—	28.7	a	27.8	—	a	22.5	—	a	61	—
	Imbaba (A)	a	1006.1	—	1008.2	—	34.5	—	21.0	—	27.8	a	27.4	—	a	22.0	—	a	60	—
	Giza	a	1005.6	—0.3	1008.3	—0.3	34.2	—0.5	21.5	+1.6	27.8	a	27.2	+0.3	a	21.7	—0.6	a	59	—7
	Helwan	d	995.1	—0.1	1008.0	—0.2	34.0	—1.0	21.6	0.0	27.8	c	27.1	—0.6	c	21.6	+0 2	e	60	+5

a = the 24 hours mean. b = 8 synoptic hours mean. c = 4 main synoptic hours mean.
d = 06,12 & 18 U.T. hours mean. e = 06 & 18 U.T. hours mean

Table A3 (*contd.*)—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

AUGUST 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a, b, c, d	Station Pressure corrected to Hp		M.S.L. Pressure		Maximum (A)		Minimum (B)		(A+B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a, b, c, d	Mean	Dev. from normal	Deriv. of the mean values. a, b, c, d.	Mean	Dev. from normal			
Upper Egypt	Fayoum	a	1005.5	+0.7	1008.4	+0.7	36.5	+0.3	21.6	+0.2	29.0	a	28.7	+0.7	a	21.4	—0.4	a	50	— 6
	Beni Suef	a	1004.5	+0.2	1007.9	+0.2	35.9	—0.9	20.8	+0.6	28.4	a	27.9	—0.4	a	20.9	—0.9	a	51	— 4
	Seds	—	—	—	—	—	35.1	—1.4	20.3	+0.5	27.7	c	27.4	+0.1	c	23.1	+0.7	e	68	+ 4
	Minya (A)	a	1002.7	—0.3	1007.4	—0.3	35.3	—1.3	20.9	+0.4	28.1	a	27.8	—0.6	a	20.8	—0.2	a	51	+ 2
	Mallawi	—	—	—	—	—	34.0	—	19.1	—	26.6	c	26.0	—	c	22.7	—	e	74	—
	Asyout (Mangabad) (A)	a	999.8	+0.4	1007.7	+0.4	35.8	—1.3	21.8	—0.6	28.8	a	28 9	—0.8	a	19.6	0.0	a	38	+ 3
	Shandaweel	—	—	—	—	—	36.6	—1.0	20.8	—0.3	28.7	c	28.4	—0.8	c	23.5	+0.7	e	65	+ 9
	Nag Hammadi	c	997.4	—1.2	1005.2	—1.3	37.3	—0.7	21.6	+0.8	29 4	c	28.7	—0.4	c	22.7	+1.2	e	58	+10
	Kena	c	998.0	+0.4	1006.4	+0.4	38.6	—2.3	24.2	—0.2	31.4	c	31.3	—0.7	c	22.1	+1.0	e	42	+ 8
	Luxor (A)	a	995.7	+0.2	1005.6	+0.2	41.3	+0 4	23.9	+0.6	32.6	a	32.1	—0.9	a	19.8	—0.4	a	27	+ 1
	Kom Ombo	a	994.5	—	1005.9	—	41.4	—	21.7	—	31.6	a	32.3	—	a	19.5	—	a	25	—
	Aswan (A)	a	983 4	—1.0	1004.9	—1.1	40.6	—1.0	24.6	—2.0	32.6	a	33.2	—0.1	a	18.1	—2.8	a	16	—12
Western Desert	Siwa	a	1011.6	—0.9	1010.0	—0.9	36.8	—0.7	20.5	—1.1	28.6	a	28.9	0.0	a	19.1	—0.2	a	36	0
	Bahariya	a	993.8	—1.3	1008.2	—1.3	36.7	+0.1	20.9	+0.3	28.8	a	29.3	+1.2	a	20.1	—0.8	a	39	—11
	Farafra	a	1000.2	+0.8	1010.2	+0.9	36.9	—1.1	20.7	—0.3	28.8	a	29 3	+0.4	a	16.5	—1.9	a	20	—11
	Dakhla	a	994.1	—0.4	1006.6	—0.4	37.6	—2.0	21.1	—2.4	29.4	a	29.8	—0.9	a	17.5	—1.9	a	23	— 7
	Kharga	a	998.4	—1.3	1006.4	—1.3	39.5	+0.2	21.9	—1.3	30.7	a	31.0	—0.1	a	19.2	—1.2	a	28	— 6
Red Sea	Suez	c	1006.8	—0.3	1008.0	—0.3	35.9	—0.4	22.7	—0.2	29.3	c	29.2	+0.6	c	25.1	+1.7	e	70	+ 7
	Tor	a	1004.3	—0.9	1004.7	—0.9	34.2	—0.6	25.6	+0.9	29.9	a	29.7	+0.7	a	23.6	—0.3	a	58	— 5
	Hurghada	a	1005.1	+1.0	1005.3	+1.0	33.8	+0.9	25.9	+0.4	29.6	a	30.2	+0.4	a	21.8	—0.8	a	45	— 6
	Quseir	a	1003.8	—0.9	1004.8	—0.9	33.2	—0.7	26.8	—0.1	30.0	a	30.2	0.0	a	23.0	0 0	a	52	0
	Abul Kizan	c	1005.0	—	1005.5	—	33.6	0.0	29.2	+1.1	31.4	c	30.8	+0.3	c	27.5	+0.3	e	76	0

a = the 24 hours mean. b = 8 synoptic hours mean. c = 4 main symoptic hours mean.
d = 06.12 & 18 U. T. hours mean. e = 06 & 18 U. T. hours mean.

Table A4. —MAXIMUM AND MINIMUM AIR TEMPERATURES

AUGUST 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
Mediterranean	Sallum	35.4	15	27.6	20	31	18	1	0	0	24.4	16	19.6	29	0	0	0	0
	Sidi Barrani	30.6	12	27.1	20·21	31	1	0	0	0	24.5	16	17.3	21	0	0	0	0
	Mersa Matruh (A)	32.2	14	28.4	31	31	12	0	0	0	24.4	18	17.5	13	0	0	0	0
	Dabaa	32.1	14	27.7	30	31	7	0	0	0	23.9	17	17.7	4	0	0	0	0
	Dekheila (A)	30.0	18	27.7	31	31	0	0	0	0	25.2	16	17.7	31	0	0	0	0
	Alexandria (A)	32.2	13·14	29.4	3	31	25	0	0	0	25.0	16	18.6	31	0	0	0	0
	Balteam	32.1	30	29.0	3·4	31	21	0	0	0	25.0	17	21.4	26	0	0	0	0
	Damietta	34.7	12	29.5	31	31	26	0	0	0	24.0	2	19.8	20·31	0	0	0	0
	Port Said (A)	33.5	12	28.8	6	31	21	0	0	0	26.0	29	23.0	25	0	0	0	0
	El Arish	32.0	16·17	30.0	7	31	30	0	0	0	24.5	18	21.2	23	0	0	0	0
	Ghazza	30.0	*	28.7	23	31	0	0	0	0	24.8	5	20.6	11	0	0	0	0
Lower Egypt	El Sirw	36.0	12·13	30.2	4	31	31	2	0	0	23.5	16	18.7	20	0	0	0	0
	Sakha	36.0	13	31.8	19	31	31	5	0	0	22.0	16	17.2	20	0	0	0	0
	Mansoura	35.9	12	31.6	31	31	31	2	0	0	21.5	2	16.3	22	0	0	0	0
	Damanhour	34.7	13	30.6	27	31	31	0	0	0	22.1	3	18.6	31	0	0	0	0
	Gimmeiza	37.5	16·17	34.0	*	31	31	9	0	0	23.0	16·29	18.0	*	0	0	0	0
	Tanta	37.2	13	32.8	31	31	31	8	0	0	23.1	16	19.3	31	0	0	0	0
	Tahrir	38.0	13	32.4	19	31	31	9	0	0	23.0	12	19.0	22	0	0	0	0
	Shebin El Kom	36.2	13·18	32.0	1	31	31	7	0	0	20.5	3·16	16.0	20	0	0	0	0
	Zagazig	35.8	13	31.9	10	31	31	4	0	0	23.0	16	18.7	20	0	0	0	0
	Abu Sueir (A)	38.7	16	33.6	21	31	31	24	0	0	24.0	3	20.1	20	0	0	0	0
	Zaher (A)	37.0	13	32.2	19	31	31	7	0	0	23.8	16	19.9	20	0	0	0	0
	Wadi El Natrun	39.3	13	33.6	19	31	31	20	0	0	23.7	3	17.7	5	0	0	0	0
	Inshas (A)	36.4	13	31.8	20	31	31	5	0	0	24.0	16	19.7	20·21	0	0	0	0
	Fayed (A)	40.5	13	34.4	21	31	31	28	1	0	24.7	4	21.2	25	0	0	0	0
	Kabrit (A)	38.2	13	33.2	26	31	31	12	0	0	24.5	4	21.0	22	0	0	0	0
Cairo Area	Cairo /A)	36.4	16	31.5	19	31	31	5	0	0	24.2	16	20.3	20	0	0	0	0
	Mostafa Helmi (A)	37.5	13	31.2	19	31	31	7	0	0	22.4	3·16	18.8	20	0	0	0	0
	Almaza (A)	36.3	12	31.3	20	31	31	6	0	0	23.7	16	20.2	20	0	0	0	0
	Abbasiya (H. Q)	38.5	13	32.1	19	31	31	14	0	0	24.3	16	20.8	20	0	0	0	0
	Imbaba (A)	36.9	16	32.3	20	31	31	9	0	0	24.8	16	18.5	6·20	0	0	0	0
	Giza	37.2	13	31.4	20	31	31	6	0	0	24.3	16	19.0	25	0	0	0	0
	Helwan	36.7	14	31.2	20	31	31	7	0	0	23.7	16	20.0	25	0	0	0	0

* More than 3 days.

Table A 4 (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES

AUGUST 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
Upper Egypt	Fayoum	39.5	14·16	34.0	20	31	31	28	0	0	23.6	13	20.0	24	0	0	0	0
	Beni Suef	39.6	14	33.4	20	31	31	22	0	0	23.0	16	18.9	20	0	0	0	0
	Seda	37.7	13	32.3	20	31	31	15	0	0	22.8	16	18.2	20	0	0	0	0
	Minya (A)	40.1	15	32.5	21	31	31	14	1	0	23.4	16	19.2	24·25	0	0	0	0
	Mallawi	38.5	14	31.2	20	31	31	7	0	0	21.6	16	17.4	7·25	0	0	0	0
	Asyout (Mangabad) (A)	38.7	14	33.3	21	31	31	25	0	0	24.0	14	19.2	24	0	0	0	0
	Shandaweel	40.6	14	32.4	22	31	31	25	1	0	25.1	18	18.5	4·26	0	0	0	0
	Nag Hammadi	40.0	14·17	34.6	28	31	31	29	0	0	25.5	17	20.0	11·26·31	0	0	0	0
	Kena	41.0	14·17	35.4	28	31	31	31	3	0	26.7	19	22.3	14	0	0	0	0
	Luxor (A)	43.2	17	37.5	9	31	31	31	13	0	26.2	1	21.4	31	0	0	0	0
	Kom Ombo	43.4	15	38.7	31	31	31	31	27	0	25.0	15	18.4	29	0	0	0	0
	Aswan (A)	43.1	4	38.0	31	31	31	31	20	0	28.0	15	21.0	29	0	0	0	0
Western Desert	Siwa	41.2	14	34.0	20·28·31	31	31	24	3	0	22.6	16	17.6	30	0	0	0	0
	Bahariya	40.7	14	34.0	20	31	31	26	1	0	23.0	17	18.0	24	0	0	0	0
	Farafra	40.5	14	34.0	21	31	31	25	2	0	24.0	16	18.2	31	0	0	0	0
	Dakhla	42.2	14	34.3	21	31	31	30	3	0	25.2	18	16.5	31	0	0	0	0
	Kharga	44.3	14	36.7	28	31	31	31	8	0	27.8	18	17.5	31	0	0	0	0
Red Sea	Suez	39.0	17	34.0	21·24	31	31	22	0	0	24.1	16	20.6	30	0	0	0	0
	Tor	40.5	14	32.0	7·22	31	31	7	1	0	27.7	19	22.2	31	0	0	0	0
	Hurghada	37.4	14	32.1	29	31	31	2	0	0	28.3	17	22.8	25	0	0	0	0
	Quseir	35.6	16	32.0	10	31	31	1	0	0	28.7	6	24.9	18	0	0	0	0
	Abul Kizan	35.4	16	32.2	17	31	31	3	0	0	30.0	5	28.4	3	0	0	0	0

Table A 5.— RAINFALL AND SNOW DEPTH
AUGUST 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total Amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	< 0.1	≥ 0.1	≥ 1	≥ 5	≥ 10	≥ 25	≥ 50		
Mediterranean	Sallum	0.0	—0.4	0.0	—	0	0	0	0	0	0	0	0.0	—
	Sidi Barrani	0.0	—0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mersa Matruh (A)	0.0	—0.3	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dabaa	0.0	—0.2	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dekheila (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Alexandria (A)	0.0	—0.3	0.0	—	0	0	0	0	0	0	0	0.0	—
	Balteam	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Damietta	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Port Said (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	El Arish	0.0	—0.1	0.0	—	0	0	0	6	0	0	0	0.0	—
	Ghazza	0.0	0.0	0.0	—	0	0	0	9	0	0	0	0.0	—
	Ras El Hikma	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Fuka	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Hammam	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Borg El Arab	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Amria	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mex	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolombat El Tabia	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kom El Tarfaia	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Rosetta L.H.	0.0	0.0	0.0	—	0	0	0	0	9	0	0	0.0	—
	Borollos L.H.	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Damietta L.H.	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
Lower Egypt	El Sirw	0.0	—0.9	0.0	—	0	0	0	0	0	0	0	0.0	—
	Sakha	0.0	—1.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mansoura	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Damanhour	0.0	—0.8	0.0	—	0	0	0	0	0	0	0	0.0	—
	Gimmeiza	0.0	0.0	0.0	—	0	3	0	0	0	0	0	0.0	—
	Tanta	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tahrir	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Shebin El Kom	0.0	0.0	0.0	—	0	0	1	0	0	0	0	0.0	—
	Zagazig	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abu Sueir (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Zaher (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Wadi El Natrun	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Inshas (A)	0.0	—	0.0	—	0	0	0	0	9	0	0	0.0	—
	Fayed (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kabrit (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Delta Barrage	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolombat El Roseili	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr ElDawar	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Sheikh	0.0	—1.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Zayat	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Faqus	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
Cairo Area	Cairo (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mostafa Helmi (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Almaza (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abbasiya (H.Q.)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Imbaba (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Giza	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Helwan	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—

Table A 5 (*contd.*)—RAINFALL AND SNOW DEPTH
AUGUST 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	< 0.1	≥ 0.1	≥ 1	≥ 5	≥ 10	≥ 25	≥ 50		
Upper Egypt	Fayoum	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Beni Suef	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Seds	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Minya (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mallawi	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mangabad (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Shandaweel	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Nag Hammadi	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kena	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Luxor (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kom Ombo	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Aswan (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
Western Desert	Siwa	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Bahariya	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Farafra	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dakhla	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kharga	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	
Red Sea	Suez	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tor	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Hurghada	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Quseir	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abul Kizan	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—

Table A 6—BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT & BLACK BULB TEMPERATURES AND GRASS MINIMUM AUGUST 1961

District	Station	Duration of bright sunshine (hours)			Mean sky cover (oktas)								Mean daily evaporation Piche (millimetres	Mean maximum temp. (°C) of		Mean grass minimum (°C)
		Total actual	Total possible	Percentage %	0000 U.T.		0600 U.T.		1200 U.T.		1800 U.T.			Black bulb thermometer	Bright bulb thermometer	
					Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal				
Mediterranean	Sallum	—	—	—	0.1	—	0.3	—	0.2	—	0.0	—	9.7	—	—	21.6
	Sidi Barrani	—	—	—	—	—	1.8	—	0.5	—	0.8	—	6.3	—	—	—
	Mersa Matruh (A)	(349.9)	(399.0)	87.7	0.4	—	1.3	—	0.5	—	1.0	—	9.0	—	—	—
	Dabaa	—	—	—	—	—	1.8	—	0.9	—	1.2	—	3.7	—	—	—
	Dekheila (A)	—	—	—	2.0	—	2.9	—	1.5	—	1.6	—	6.1	—	—	—
	Alexandria (A)	360.1	411.1	87.6	2.7	—	3.5	—	2.5	—	2.0	—	3.9	—	—	—
	Balteam	—	—	—	—	—	2.2	—	1.5	—	1.3	—	4.7	—	—	—
	Damietta	—	—	—	—	—	2.6	—	0.1	—	0.2	—	3.5	—	—	—
	Port Said (A)	337.2	411.1	82.0	1.2	—	2.6	—	0.0	—	0.4	—	5.0	—	—	—
	El Arish	—	—	—	3.1	—	2.1	—	0.4	—	1.6	—	4.3	—	—	—
	Ghazza	351.1	412.0	85.2	2.5	—	2.9	—	0.5	—	1.2	—	5.0	—	—	—
Lower Egypt	El Sirw	—	—	—	—	—	2.7	—	0.5	—	0.1	—	3.8	—	—	—
	Sakha	—	—	—	—	—	1.4	—	0.9	—	0.3	—	4.2	—	—	19.2
	Mansoura	—	—		—	—	4.0	—	0.8	—	—	—	5.2	—	—	—
	Damanhour	—	—	—	—	—	2.2	—	1.5	—	0.7	—	3.3	—	—	—
	Gimmeiza	(329.6)	(397.8)	82.9	—	—	2.6	—	0.5	—	0.0	—	5.6	—	—	—
	Tanta	353.7	410.6	86.1	—	—	2.5	—	1.2	—	0.1	—	6.5	67	46	—
	Tahrir	365.0	410.6	88.9	—	—	2.0	—	1.3	—	0.2	—	8.9	—	—	19.0
	Shebin El Kom	—	—	—	—	—	3.7	—	0.5	—	0.0	—	3.5	—	—	—
	Zagazig	334.0	410.6	81.3	—	—	4.6	—	2.2	—	0.1	—	4.4	—	—	—
	Abu Sueir (A)	—	—	—	1.8	—	3.5	—	0.6	—	0.1	—	10.7	73	—	20.4
	Zaher (A)	—	—	—	—	—	4.1	—	0.4	—	0.0	—	8.6	—	—	—
	Wadi El Natrun	—	—	—	—	—	1.6	—	0.7	—	0.1	—	7.8	—	—	—
	Inshas (A)	—	—	—	—	—	4.7	—	0.4	—	0.0	—	7.8	—	—	—
	Fayed (A)	—	—	—	—	—	3.0	—	0.3	—	0.4	—	15.1	—	—	—
	Kabrit (A)	—	—	—	—	—	3.8	—	0.1	—	0.0	—	11.8	—	—	—
Cairo Area	Cairo (A)	—		—	1.7	—	4.4	—	0.5	—	0.3	—	11.2	—	—	—
	Mostafa Helmi (A)	—	—	—	1.8	—	3.7	—	0.6	—	0.1	—	11.1	—	—	—
	Almaza (A)	339.5	409.6	82.9	1.9	—	4.3	—	0.3	—	0.2	—	9.0	—	—	—
	Abbasiya (H.Q.)	333.4	409.6	81.4	1.4	—	4.6	—	0.2	—	0.0	—	5.8	71	48	—
	Imbaba (A)	—	—	—	—	—	4.5	—	0.3	—	—	—	6.6	—	—	—
	Giza	339.9	409.6	83.0	—	—	4.0	—	0.2	—	0.1	—	8.2	—	—	17.8
	Helwan	353.8	409.6	86.4	—	—	2.1	—	0.0	—	0.1	—	11.9	—	—	—
Upper Egypt	Fayoum	—	—	—	—	—	1.9	—	0.1	—	0.1	—	9.4	—	—	—
	Beni Suef	—	—	—	—	—	1.4	—	0.0	—	0.1	—	7.1	—	—	18.9
	Seds	—	—	—	—	—	0.5	—	0.0	—	0.0	—	5.7	—	—	11.1
	Minya (A)	—	—	—	0.1	—	0.8	—	0.6	—	0.0	—	10.8	68	45	18.7
	Mallawi	—	—	—	—	—	0.8	—	0.0	—	0.0	—	3.5	—	—	17.8
	Asyout (Mangabad) (A)	—	—	—	0.1	—	0.7	—	0.3	—	0.2	—	15.8	—	50	20.7
	Shandaweel	—	—		—	—	0.0	—	0.0	—	0.0	—	6.7	—	—	12.2
	Nag Hammadi	—	—	—	—	—	0.0	—	0.0	—	0.0	—	8.1	—	—	21.0
	Kena	—	—	—	—	—	0.3	—	0.4	—	0.1	—	8.8	—	—	21.8
	Luxor (A)	—	—	—	0.1	—	0.8	—	0.7	—	0.5	—	13.3	71	52	20.1
	Kom Ombo	—	—	—	—	—	0.6	—	0.9	—	0.7	—	13.7	—	—	17.1
	Aswan (A)	—	—	—	0.1	—	1.4	—	1.2	—	0.9	—	23.4	—	—	—
Western Desert	Siwa	—	—	—	0.0	—	0.5	—	0.1	—	0.0	—	13.9	79	51	18.4
	Bahariya	—	—	—	0.1	—	1.2	—	0.6	—	0.7	—	9.3	—	—	—
	Farafra	—	—	—	0.0	—	0.1	—	0.0	—	0.1	—	19.7	—	—	—
	Dakhla	—	—	—	0.1	—	0.4	—	0.6	—	0.2	—	21.0	—	52	16.4
	Kharga	—	—	—	0.0	—	0.2	—	0.4	—	0.1	—	13.0	—	—	17.8
Red Sea	Suez	—	—	—	—	—	1.6	—	0.3	—	0.0	—	11.4	—	—	—
	Tor	—	—	—	0.0	—	0.5	—	1.0	—	0.4	—	9.7	—	—	—
	Hurghada	—	—	—	0.0	—	0.3	—	0.4	—	0.1	—	19.4	—	—	—
	Quseir	—	—	—	1.3	—	0.8	—	1.0	—	0.1	—	15.3	—	—	—
	Abul Kizan	—	—	—	—	—	3.9	—	3.8	—	3.4	—	4.4	—	—	—

Note : Actual number of sunshine records at Mersa Matruh and Gimmieza was 30 days only.

Table A7. —SOIL TEMPERATURE (°C) AT FIXED HOURS
AUGUST 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
MEDITERRANEAN	Mersa Matruh (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	29.4	30.4	14	28.8	27	29.3	30.3	15	28.2	1	29.1	30.0	15	28.5	3	29.5	31.0	13	28.9	4
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	31.4	31.9	20	31.0	28,29	31.5	31.8	*	31.0	29,31	31.3	31.8	18	30.8	31	31.4	31.7	*	30.8	31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LOWER EGYPT	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	28.3	28.5	*	28.0	1,2	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	27.0	27.0	*	27.0	*	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	36.0	38.0	12	34.5	31	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	31.9	32.0	*	31.0	7	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	28.1	29.3	3	26.5	20	35.5	37.0	1	34.0	25,26	33.0	34.5	13	30.9	31
		10	—	—	—	—	—	30.7	31.5	3·16	29.8	20	33.9	35.0	1, 16,17	33.0	26,31	34.0	35.0	12,13,14	32.5	31
		20	—	—	—	—	—	30.3	31.0	15·17	29.6	26	30.4	31.2	1,17	29.8	25,26,31	31.1	32.0	13,14,16	30 3	31
		50	—	—	—	—	—	32.1	32.5	1	31.7	25,27	31.9	32.3	*	31.5	25	31.8	32.3	17	31.4	25
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS
AUGUST 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
Lower Egypt (*contd.*)	Tahrir	5	—	—	—	—	—	28.0	29.5	12	26.3	31	44.6	47.3	13	42.3	23	33.2	35.3	13	31.3	31
		10	—	—	—	—	—	27.9	29.4	12	26.3	22	39.1	41.2	12	36.0	30	35.4	37.4	13	33.8	27
		20	—	—	—	—	—	30.6	31.8	16	29.5	22	32.8	34.0	15,16	32.1	22	34.9	36.1	13	33.8	21
		50	—	—	—	—	—	32.0	32.6	*	31.6	31	31.7	32.3	16	31.3	24	31.8	32.4	16	31.3	31
		100	—	—	—	—	—	30.9	30.9	18,19,20	30.7	10,11	—	—	—	—	—	30.9	31.2	17,18	30.7	9,10,11
		200	—	—	—	—	—	28.9	29.2	*	28.6	1,2	—	—	—	—	—	28.9	29.2	*	28.6	1,2
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	31.8	32.5	*	31.0	*	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	29.2	30.5	11	28.0	5·7·19	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	27.3	28.5	9	26.5	2·4·19	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cairo Area	Giza	5	—	—	—	—	—	29.9	31.0	3	28.4	20	42.9	44.9	13	41.3	27,28	36.2	38.2	13	34.5	30
		10	—	—	—	—	—	31.1	32.5	16	30.0	20	36.5	37.8	14	35.7	6	36.6	37.9	13	35.9	27,28
		20	—	—	—	—	—	33.0	33.7	16	32.6	*	33.1	34.0	16	32.7	22,25	34,3	35,0	14	33.8	22
		50	—	—	—	—	—	33.2	33.6	18	33.0	*	33.1	33.5	17,18	32.9	7,8,9	33.0	33,4	16,17,18	32.8	7,8,9
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Upper Egypt	Seds	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	27.5	28.5	17	26.3	10	27.8	28.7	17	26.3	31	27.3	28.5	22	25.7	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya . . (A)	5	31.7	34.0	16	29.5	31	29.1	31.0	16	28.0	24,28	38.8	41.2	13	37.0	21,22,27	35.5	38.0	13	34.0	22
		10	33.4	35.3	18	31.7	30	32.0	34.2	18	29.7	30	35.8	37.5	15	34.2	28	36.1	37.7	13	35.0	9,27
		20	33.5	35.5	16	32.1	23	32.8	33.5	11	31.3	30	33.5	35.0	14	32.7	27	34.1	35.2	17	32.7	10
		50	33.7	34.7	15	33.1	1	33.6	34.4	15	33.0	2	33.6	34.3	15	33.0	1	33.7	34.4	20	33.0	31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

TABLE A 7 (*contd.*)— SOIL TEMPERATURES (°C) AT FIXED HOURS
AUGUST 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
UPPER EGYPT (*contd.*)	Mallawi	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	27.9	28.2	*	27.6	*	28.0	28.2	*	27.6	13,14,15	28.0	28.2	*	27.6	13,14,15
		100	—	—	—	—	—	27.0	27.2	*	27.9	*	27.0	27.2	*	26.9	*	27.0	27.2	*	26.9	*
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	32.4	33.5	6,20	31.4	31	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	29.5	30.1	23	28.0	30	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo	5	—	—	—	—	—	36.8	39.5	1	32.4	29	51.6	57.8	3	47.0	5	36.0	38.2	24	33.2	28
		10	—	—	—	—	—	34.0	37.0	1	31.2	29	45.0	48.3	23	41.2	28	37.8	39.5	15	32.5	28
		20	—	—	—	—	—	33.7	36.6	1	31.8	29	39.5	46.0	13	38.0	30	36.1	38.5	24	32.5	28
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 8 — FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

AUGUST 1961

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres.	Fog. vis. < 1000 metres	Haze vis. ≥ 1000 metrees	Thick haze vis. < 1000 metres.	Dust rising/Sand rising vis. ≥ 1000 metres,	Duststorm / Sandstorm vis. < 1000 metres.	Drifting Snow: Slight/moderate vis. below eye level ≥ 1000 metres	Drifting Snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing Snow: Slight / moderate vis. below eye level ≥ 1000 metres	Blowing Snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear Sky	Cloudy Sky
Mediterranean	Sallum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	Sidi Barrani	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	—	—
	Mersa Matruh (A)	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	29	0
	Dabaa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Dekheila (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0
	Alexandria (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0
	Balteam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Damietta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		—	—
	Port Said (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0
	El Arish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0
	Ghazza	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	16	0
Lower Egypt	El Sirw	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	—	—
	Damanhour	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	0	0	0	0	0	0	13	2	0	0	1	0	0	0	0	0	0	—	—
	Shebin El Kom	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Zagazig	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	0	0	0	0	0	0	10	1	0	0	0	0	0	0	0	0	0	25	0
	Zaher (A)	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	—	—
	Wadi El Natrun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Inshas (A)	0	0	0	0	0	0	4	0	1	0	0	0	0	0	0	0	0	—	—
	Fayed (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Kabrit (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
Cairo Area	Cairo (A)	0	0	0	0	0	0	24	2	13	0	0	0	0	0	0	0	0	20	0
	Mostafa Helmi (A)	0	0	0	0	0	0	21	3	3	0	0	0	0	0	0	0	0	24	0
	Almaza (A)	0	0	0	0	0	0	18	0	15	0	0	0	0	0	0	0	0	20	0
	Abbasiya (H.Q.)	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	25	0
	Imbaba (A)	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	—	—
	Giza	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	—	—
	Helwan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table A8 *(contd.)*. —**FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA. AUGUST 1961**

District	Station	Precipitation				Frost	Thunderstorm	Mist vis. ≥ 1000 metres.	Fog vis. < 1000 metres.	Hazo vis. ≥ 1000 metres.	Thick haze vis. < 1000 metres.	Dust rising / Sand rising vis. ≥ 1000 metres.	Dustetorm / Sandstorm vis. < 1000 metres.	Drifting Snow		Blowing S no		Gales	Clear Sky	Cloudy Sky
		Rain	Snow	Ice pellets	Hail									Slight/moderate vib. below eye level 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)	Slight / moderate ias. below eye level ≥ 1000 motrtes	Heavy vis. below eye level < 1000 metres (snow storm)			
Upper Egypt	Fayoum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Beni Suef	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Seds	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	31	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad). (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0
	Kom Ombo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Aswan (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0
Western Desert	Siwa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	Bahariya	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	30	0
	Farafra	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	31	0
	Kharga	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	31	0
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	Hurghada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	Quseir	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	27	0
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES AUGUST 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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 direction
Mediterranean	Sidi Barrani	8	0	1	1–10	121	20	4	0	1	2	2	6	24	2	53	142	402
					11–27	31	4	0	0	0	0	0	0	0	0	66	232	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	7	0	0	0
					All speeds	**152**	**24**	**4**	**0**	**1**	**2**	**2**	**6**	**24**	**27**	**119**	**374**	**735**
	Mersa Matruh . (A)	17	0	0	1–10	35	6	0	0	0	2	1	6	37	124	35	81	327
					11–27	55	4	0	0	0	0	0	0	2	6	159	174	400
					28–47	0	0	0	0	0	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**	**10**	**0**	**0**	**0**	**2**	**1**	**6**	**39**	**130**	**194**	**255**	**727**
	Dekheila . . . . (A)	0	0	0	1–10	201	21	0	0	0	0	0	0	1	2	14	154	393
					11–27	217	8	0	0	0	0	0	0	0	0	0	126	351
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**418**	**29**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**14**	**280**	**744**
	Alexandria . . . (A)	3	0	1	1–10	42	10	0	0	0	0	0	0	0	16	105	170	343
					11–27	26	0	0	0	0	0	0	0	0	0	105	266	397
					28–47	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
					All speeds	**68**	**10**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**16**	**210**	**436**	**740**
	Port Said . . . (A)	0	0	0	1–10	118	15	1	0	1	0	1	12	45	84	105	136	518
					11–27	61	2	0	0	0	0	0	0	1	6	29	127	226
					28–47	0	9	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**179**	**17**	**1**	**0**	**1**	**0**	**1**	**12**	**46**	**90**	**134**	**263**	**744**
	El Arish	30	0	1	1–10	26	25	4	0	1	9	32	138	87	27	174	174	697
					11–27	0	0	0	0	0	0	0	0	0	4	11	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	**26**	**25**	**4**	**0**	**1**	**9**	**32**	**138**	**87**	**31**	**185**	**175**	**713**
Lower Egypt	Tanta	6	1	0	1–10	5	0	0	0	0	0	10	111	174	193	183	59	735
					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**	**10**	**111**	**174**	**193**	**185**	**59**	**737**
	Zaher. . . . . (A)	10	5	0	1–10	68	8	2	0	0	0	1	10	85	152	173	210	709
					11–27	0	0	0	0	0	0	0	0	0	0	5	15	20
					28–17	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	8	0	0	0	0
					All speeds	**68**	**8**	**2**	**0**	**0**	**0**	**1**	**10**	**6**	**152**	**178**	**225**	**729**
	Abu Sueir . . . (A)	21	5	3	1–10	64	30	0	0	0	0	0	6	5 0	127	173	146	607
					11–27	32	4	0	0	0	0	0	0	0	2	14	56	108
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**96**	**34**	**0**	**0**	**0**	0	**0**	**6**	**61**	**129**	**187**	**202**	**715**

Table A 9 (*contd.*)—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

AUGUST 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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 direction
Cairo Area	Cairo . . . . . (A)	133	7	0	1–10	52	18	3	0	0	0	0	0	2	15	190	244	524
					11–27	3	1	0	0	0	0	0	0	0	0	10	66	80
					28–47	0	0	0	0	0	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**	**19**	**3**	**0**	**0**	**0**	**0**	**0**	**2**	**15**	**200**	**310**	**604**
	Mostafa Helmi . (A)	0	1	1	1–10	82	31	1	2	1	0	1	0	1	4	81	148	352
					11–27	133	86	2	0	0	0	0	0	0	0	22	147	390
					28–47	0	0	0	0	0	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**	**117**	**3**	**2**	**1**	**0**	**1**	**0**	**1**	**4**	**103**	**295**	**742**
	Almaza . . . . (A)	0	1	0	1–10	240	166	59	4	0	0	0	3	3	8	122	133	738
					11–27	2	3	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	**242**	**169**	**59**	**4**	**0**	**0**	**0**	**3**	**3**	**8**	**122**	**133**	**743**
	Abbasiya . . . (H.Q)	53	0	18	1–10	167	17	2	1	0	1	0	1	8	51	134	291	673
					11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**167**	**17**	**2**	**1**	**0**	**1**	**0**	**1**	**8**	**51**	**134**	**291**	**673**
	Giza	30	3	0	1–10	316	62	5	0	0	0	0	0	0	7	112	198	700
					11–27	4	0	0	0	0	0	0	0	0	0	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	**320**	**62**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**116**	**201**	**711**
Upper Egypt	Minya . . . . . (A)	25	2	0	1–10	270	241	8	0	0	0	0	5	0	2	15	74	615
					11–27	44	58	0	0	0	0	0	0	0	0	0	0	102
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**314**	**299**	**8**	**0**	**0**	**0**	**0**	**5**	**0**	**2**	**15**	**74**	**717**
	Luxor . . . . . (A)	33	6	0	1–10	85	59	3	2	6	7	14	61	99	89	84	196	705
					11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
					28–47	0	0	0	0	0	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**	**59**	**3**	**2**	**6**	**7**	**14**	**16**	**99**	**89**	**84**	**196**	**705**
Western Desert	Siwa	48	3	0	1–10	120	87	57	45	13	11	4	3	3	16	36	120	515
					11–27	56	53	9	1	0	0	0	0	0	0	1	58	178
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**176**	**140**	**66**	**46**	**13**	**11**	**4**	**3**	**3**	**16**	**37**	**178**	**693**
	Dakhla	3	8	199	1–10	27	14	9	6	4	6	10	11	21	40	67	113	328
					11–27	51	4	1	0	0	0	0	0	0	1	9	140	206
					28–47	0	0	0	0	0	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**	**18**	**10**	**6**	**4**	**6**	**10**	**11**	**21**	**41**	**76**	**253**	**534**
Red Sea	Hurghada	6	1	0	1–10	32	29	3	5	6	15	2	1	1	14	70	56	234
					11–27	178	12	0	0	0	0	0	1	0	10	77	225	503
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**210**	**41**	**3**	**5**	**6**	**15**	**2**	**2**	**1**	**24**	**147**	**281**	**737**

Table A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS. SALLUM — AUGUST 1961

Hour (U.T.)	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	0	0	0	0	0	0	1	4	8	15
				11-27	2	0	0	0	0	0	0	0	0	0	4	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	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**8**	**15**	**28**
0300	3	0	0	1-10	1	0	0	0	0	0	0	0	0	3	4	5	13
				11-27	2	0	0	0	0	0	0	0	0	2	4	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	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**8**	**12**	**28**
0600	2	0	0	1-10	3	0	1	0	0	0	0	0	0	3	2	8	17
				11-27	1	0	0	0	0	0	0	0	0	2	2	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	**4**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**4**	**15**	**29**
0900	0	0	0	1-10	3	5	0	4	0	0	0	0	0	0	1	1	14
				11-27	6	5	0	0	0	0	0	0	0	1	3	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	**9**	**10**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**3**	**31**
1200	0	0	0	1-10	3	0	0	0	0	0	0	0	0	0	0	0	3
				11-27	8	14	1	0	0	0	0	0	0	0	1	4	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	**11**	**14**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**31**
1500	0	0	0	1-10	3	1	1	0	0	0	0	0	0	0	0	0	5
				11-27	16	7	0	0	0	0	0	0	0	0	2	1	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	**19**	**8**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**31**
1800	4	0	0	1-10	7	2	0	0	0	0	0	0	0	0	1	3	13
				11-27	5	1	0	0	0	0	0	0	0	0	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**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**9**	**27**
2100	9	0	0	1-10	3	0	0	0	0	0	0	0	0	1	3	7	14
				11-27	0	0	0	0	0	0	0	0	0	0	4	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	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**7**	**11**	**22**

Table A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS. MERSA MATRUH (A) — AUGUST 1961

Hour (U.T.)	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 / 354	255 / 284	285 / 314	315 / 344	All directions
0000	3	0	0	1-10	2	0	0	0	0	0	0	0	4	13	0	2	21
				11-27	2	0	0	0	0	0	0	0	0	0	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	4	0	0	0	0	0	0	0	4	13	2	5	28
0300	2	0	0	1-10	2	0	0	0	0	0	0	0	5	13	1	1	22
				11-27	1	0	0	0	0	0	0	0	0	1	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	3	0	0	0	0	0	0	0	5	14	4	3	29
0600	1	0	0	1-10	1	0	0	0	0	0	0	0	1	7	5	0	14
				11-27	1	1	0	0	0	0	0	0	0	1	9	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	2	1	0	0	0	0	0	0	1	8	14	4	30
0900	0	0	0	1-10	2	0	0	0	0	0	0	0	0	0	0	4	6
				11-27	3	0	0	0	0	0	0	0	0	0	14	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	5	0	0	0	0	0	0	0	0	0	14	12	31
1200	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	0	1	1
				11-27	8	0	0	0	0	0	0	0	0	0	5	17	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	8	0	0	0	0	0	0	0	0	0	5	18	31
1500	0	0	0	1-10	1	0	0	0	0	0	0	0	0	0	0	0	1
				11-27	5	0	0	0	0	0	0	0	0	0	7	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	6	0	0	0	0	0	0	0	0	0	7	18	31
1800	0	0	0	1-10	3	1	0	0	0	0	0	0	0	0	4	9	17
				11-27	3	0	0	0	0	0	0	0	0	0	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	6	1	0	0	0	0	0	0	0	0	12	12	31
2100	4	0	0	1-10	1	0	0	0	0	0	0	0	1	11	2	4	19
				11-27	3	0	0	0	0	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	4	0	0	0	0	0	0	0	1	11	5	6	27

Table A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS. DEKHEILA — AUGUST 1961

Hour (U.T.)	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	14	1	1	0	0	0	0	0	0	0	1	7	24
				11–27	5	0	0	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	**19**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**9**	**31**
0300	0	0	0	1–10	9	1	0	0	0	0	0	0	0	0	1	10	21
				11–27	6	1	0	0	0	0	0	0	0	0	0	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	**15**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**13**	**31**
0600	0	0	0	1–10	8	2	0	0	0	0	0	0	0	1	0	12	23
				11–27	5	1	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	**13**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**14**	**31**
0900	0	0	0	1–10	4	0	0	0	0	0	0	0	0	0	0	8	12
				11–27	6	0	0	0	0	0	0	0	0	0	1	12	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	**10**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**20**	**31**
1200	0	0	0	1–10	3	0	0	0	0	0	0	0	0	0	0	3	6
				11–27	17	0	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	**20**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**11**	**31**
1500	0	0	0	1–10	5	0	0	0	0	0	0	0	0	0	0	1	6
				11–27	18	2	0	0	0	0	0	0	0	0	0	5	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	**23**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**31**
1800	0	0	0	1–10	12	4	0	0	0	0	0	0	0	0	0	3	19
				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	**23**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**31**
2100	0	0	0	1–10	10	1	0	0	0	0	0	0	0	0	0	8	19
				11–27	10	0	0	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	**20**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**	**31**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS ALEXANDRIA (A) — AUGUST 1961

Hour (U.T.)	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	1	0	0	0	0	0	0	0	2	6	10	21
				11–27	0	0	0	0	0	0	0	0	0	0	3	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**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**9**	**16**	**30**
0300	1	0	0	1–10	3	0	0	0	0	0	0	0	0	2	9	11	25
				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	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**10**	**14**	**30**
0600	0	0	0	1–10	3	0	0	0	0	0	0	0	0	1	5	7	16
				11–27	2	0	0	0	0	0	0	0	0	0	5	8	15
				28–47	0	0	0	0		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**	**1**	**10**	**15**	**31**
0900	0	0	0	1–10	0	0	0	0	0	0	0	0	0	0	5	4	9
				11–27	1	0	0	0	0	0	0	0	0	0	10	11	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	**15**	**31**
1200	0	0	0	1–10	0	0	0	0	0	0	0	0	0	0	0	0	0
				11–27	2	0	0	0	0	0	0	0	0	1	9	19	31
				28–47	0	0	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**9**	**19**	**31**
1500	0	0	0	1–10	1	0	0	0	0	0	0	0	0	0	0	1	2
				11–27	5	0	0	0	0	0	0	0	0	0	5	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	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**20**	**31**
1800	0	0	0	1–10	8	0	0	0	0	0	0	0	0	0	2	7	17
				11–27	1	0	0	0	0	0	0	0	0	0	3	10	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**17**	**31**
2100	0	0	0	1–10	4	0	0	0	0	0	0	0	0	0	5	9	18
				11–27	1	0	0	0	0	0	0	0	0	0	4	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	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**17**	**31**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS. PORT SAID (A) — AUGUST 1961

Hour (U.T.)	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	415 / 344	All directions
0000	0	0	0	1-10	6	0	0	0	0	0	0	0	0	2	11	7	26
				11-27	0	0	0	0	0	0	0	0	0	0	4	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**	**0**	**0**	**0**	**2**	**15**	**8**	**31**
0300	0	0	0	1-10	3	1	0	0	0	1	0	0	2	7	11	3	28
				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	**3**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**2**	**7**	**14**	**3**	**31**
0600	0	0	0	1-10	2	1	0	0	0	0	0	0	8	7	5	6	29
				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**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	9	8	**5**	**6**	**31**
0900	0	0	0	1-10	4	0	0	0	0	0	0	1	10	7	2	5	29
				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	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**10**	8	**2**	**6**	**31**
1200	0	0	0	1-10	12	0	0	0	0	0	0	0	0	0	1	4	17
				11-27	9	0	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	**21**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**9**	**31**
1500	0	0	0	1-10	3	0	0	0	0	0	0	0	0	0	0	1	4
				11-27	12	0	1	0	0	0	0	0	0	0	0	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	**15**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	**31**
1800	0	0	0	1-10	4	1	0	0	0	0	0	0	0	0	0	3	8
				11-27	5	0	0	0	0	0	0	1	0	0	1	16	23
				11-28	0	0	0	0	0	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**	**1**	**19**	**31**
2100	0	0	0	1-10	7	1	1	0	0	0	0	0	0	0	4	10	23
				11-27	1	0	0	0	0	0	0	1	0	0	3	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	**8**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**7**	**13**	**31**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS GHAZZA — AUGUST 1961

Hour (U.T.)	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	0	0	0	3	18	4	0	0	2	0	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	**1**	**0**	**0**	**0**	**3**	**18**	**4**	**0**	**0**	**2**	**0**	**3**	**31**
0300	0	0	0	1-10	0	0	0	0	0	24	7	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	**0**	**0**	**0**	**0**	**0**	**24**	**7**	**0**	**0**	**0**	**0**	**0**	**31**
0600	0	0	0	1-10	0	0	0	0	0	2	7	12	6	4	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	**0**	**0**	**0**	**0**	**0**	**2**	**7**	**12**	**6**	**4**	**0**	**0**	**31**
0900	0	0	1	1-10	0	0	0	0	0	0	0	0	4	15	10	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**15**	**10**	**1**	**30**
1200	0	0	0	1-10	2	0	0	0	0	0	0	0	0	9	14	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	**2**	**0**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**14**	**6**	**31**
1500	0	0	0	1-10	7	0	0	0	0	0	0	0	0	0	9	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	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**15**	**31**
1800	0	0	0	1-10	14	2	0	3	0	0	0	0	0	1	2	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	**14**	**2**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**9**	**31**
2100	1	0	0	1-10	3	1	1	3	4	5	4	0	1	3	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	**3**	**1**	**1**	**3**	**4**	**5**	**4**	**0**	**1**	**3**	**2**	**3**	**30**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS ABU SUEIR (A) — AUGUST 1961

Hour (U.T.)	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	0	0	0	0	0	0	0	12	9	4	25
				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**	**0**	**0**	**13**	**9**	**4**	**26**
0300	8	0	0	1–10	0	0	0	0	0	0	0	0	6	10	5	1	22
				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**	**0**	**6**	**11**	**5**	**1**	**23**
0600	3	0	0	1–10	1	0	0	0	0	0	0	0	5	12	5	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**12**	**5**	**5**	**28**
0900	5	0	0	1–10	0	1	0	0	0	0	0	1	0	10	9	3	24
				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**	**0**	**0**	**0**	**1**	**1**	**10**	**10**	**3**	**26**
1200	0	0	0	1–10	2	1	0	0	0	0	0	0	2	3	7	6	21
				11–27	1	0	0	0	0	0	0	0	0	1	5	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	**3**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**12**	**9**	**31**
1500	0	0	0	1–10	1	0	0	0	0	0	0	0	0	0	5	6	12
				11–27	7	0	0	0	0	0	0	0	0	2	4	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	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**9**	**12**	**31**
1800	0	0	0	1–10	7	2	0	0	0	0	0	0	0	0	0	3	12
				11–27	7	2	0	0	0	0	0	0	0	0	2	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	**14**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**11**	**31**
2100	7	0	0	1–10	6	0	0	0	0	0	0	0	0	0	8	10	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**10**	**24**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS
EL ARISH — AUGUST 1961

Hour (U.T.)	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	0	0	0	0	2	9	9	1	1	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	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**9**	**9**	**1**	**1**	**1**	**22**
0300	6	0	0	1-10	0	0	0	0	0	2	0	18	5	0	0	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**	**2**	**0**	**12**	**5**	**0**	**0**	**0**	**25**
0600	2	0	0	1-10	0	0	0	0	0	1	1	9	15	3	0	0	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	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**9**	**15**	**3**	**0**	**0**	**29**
0900	0	0	0	1-10	1	0	0	0	0	0	0	0	1	2	16	10	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**17**	**10**	**31**
1200	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	12	16	31
				11-27	0	0	0	0	0	0	0	0	0	0	2	1	0
				28-47	0	0	0	0	0	0	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**	**14**	**17**	**31**
1500	0	0	0	1-10	2	0	0	0	0	0	0	0	0	0	8	21	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**	**8**	**21**	**31**
1800	0	0	0	1-10	5	6	0	0	0	0	0	0	0	0	7	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	**5**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**13**	**31**
2100	17	0	0	1-10	0	0	0	0	0	1	1	2	1	2	1	6	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
				A speeds	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**2**	**1**	**2**	**1**	**6**	**14**

Table A 10. — NUMBER OF OCCURRENCES OF CONCURRENT SURFCAE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS CAIRO (A) — AUGUST 1961

Hour (U.T.)	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	015 / 074	075 / 104	105 / 134	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	315 / 344	All direction
				1-10	1	1	0	0	0	0	0	0	0	1	9	2	14
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
0000	17	0	0	28-47	0	0	0	0	0	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**	**1**	**9**	**2**	**14**
				1-10	2	0	1	0	0	0	0	0	0	3	4	2	12
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
0300	19	0	0	28-47	0	0	0	0	0	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**	**0**	**0**	**0**	**0**	**3**	**4**	**2**	**12**
				1-10	4	1	1	0	0	0	0	0	0	5	10	6	27
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
0600	4	0	0	29-47	0	0	0	0	0	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**	**0**	**0**	**0**	**0**	**0**	**5**	**10**	**6**	**27**
				1-10	2	0	0	0	0	0	0	0	1	5	12	9	29
				11-27	0	0	0	0	0	0	0	0	0	1	1	0	2
0900	0	0	0	28-47	0	0	0	0	0	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**	**6**	**13**	**9**	**31**
				1-10	1	0	0	0	0	0	0	0	0	2	14	12	29
				11-27	0	0	0	0	0	0	0	0	0	0	0	2	2
1200	0	0	0	28-47	0	0	0	0	0	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**	**14**	**14**	**31**
				1-10	4	0	0	0	0	0	0	0	0	0	5	8	17
				11-27	1	0	0	0	0	0	0	0	0	0	1	12	14
1500	0	0	0	28-47	0	0	0	0	0	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**	**6**	**20**	**31**
				1-10	9	1	0	0	0	0	0	0	0	0	2	12	24
				11-27	2	0	0	0	0	0	0	0	0	0	0	5	7
1800	0	0	0	28-47	0	0	0	0	0	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**	**2**	**17**	**31**
				1-10	13	4	0	0	0	0	0	0	0	0	5	7	29
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
2100	1	0	0	28-47	0	0	0	0	0	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**	**5**	**7**	**30**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIED RANGES AT THE SYNOPTIC HOURS. MOSTAFA HELMI (A). — AUGUST 1961

Hour (U.T.)	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 direction
0000	0	0	0	1-10	5	2	0	0	1	0	0	0	0	1	2	10	21
				11-27	4	0	0	0	0	0	0	0	0	0	2	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	**9**	**2**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**4**	**14**	**31**
0300	1	0	0	1-10	3	0	0	0	0	0	0	1	0	0	9	13	26
				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	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**9**	**17**	**30**
0600	0	0	0	1-10	2	3	0	0	0	1	0	0	0	0	3	11	20
				11-27	4	0	0	0	0	0	0	0	0	0	1	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**	**3**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**4**	**17**	**31**
0900	0	0	0	1-10	2	3	0	0	0	0	0	0	1	1	3	9	19
				11-27	5	1	1	0	0	0	0	0	0	1	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	**7**	**4**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**3**	**13**	**31**
1200	0	0	0	1-10	0	1	0	0	0	0	0	0	1	0	1	6	9
				11-27	11	3	0	0	0	0	0	0	0	0	2	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	**11**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**12**	**31**
1500	0	0	0	1-10	2	3	0	0	0	0	0	0	0	0	0	2	7
				11-27	7	12	0	0	0	0	0	0	0	0	1	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	**9**	**15**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**6**	**31**
1800	0	0	0	1—10	0	1	0	0	0	0	0	0	0	0	0	0	1
				11-27	20	8	0	0	0	0	0	0	0	0	0	2	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	**20**	**9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**31**
2100	0	0	0	1-10	7	4	0	0	0	0	0	0	0	0	1	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	**16**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**8**	**31**

Table A 10.- NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS ALMAZA (A) — AUGUST 1961

Hour (U.T.)	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 / 014	045 / 074	075 / 104	105 / 134	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	315 / 341	All direction
0000	0	0	0	1-10	9	10	1	0	0	0	0	0	0	0	1	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**	**10**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**10**	**31**
0300	2	0	0	1-10	9	6	2	1	0	0	1	0	0	0	4	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	**9**	**6**	**2**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**4**	**6**	**29**
0600	2	0	0	1-10	5	8	2	0	0	0	0	0	0	2	8	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	**5**	**8**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**8**	**4**	**29**
0900	0	0	0	1-10	11	4	2	0	0	0	0	0	0	6	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	**11**	**4**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**4**	**4**	**31**
1200	0	0	0	1-10	11	2	1	0	0	0	0	0	0	0	8	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	**11**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**9**	**31**
1500	0	0	0	1-10	17	3	0	0	0	0	0	0	0	0	1	8	29
				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	**18**	**3**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**8**	**31**
1800	0	0	0	1-10	13	11	1	0	0	0	0	0	0	1	0	4	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	**13**	**12**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**4**	**31**
2100	0	0	0	1-10	7	15	5	0	0	0	0	0	0	0	2	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	**7**	**15**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**31**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS GIZA — AUGUST 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of directions indicated												
					645 / 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	0	0	0	0	0	0	0	0	0	1	17	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**17**	**24**
0300	9	0	1	1-10	2	0	0	0	0	0	0	0	0	0	1	18	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**18**	**21**
0600	4	0	0	1-10	10	0	0	0	0	0	0	0	0	0	6	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	**10**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**11**	**27**
0900	0	0	0	1-10	8	3	0	0	0	0	0	0	1	3	8	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	**8**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**8**	**8**	**31**
1200	0	0	0	1-10	11	0	2	0	0	0	0	0	0	3	2	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	**11**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**2**	**13**	**31**
1500	0	0	0	1-10	12	9	0	0	0	0	0	0	0	0	0	2	23
				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	**16**	**9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**31**
1800	0	0	0	1-10	16	3	0	0	0	0	0	0	0	0	0	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	**16**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**31**
2100	0	0	0	1-10	17	3	0	0	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	**17**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**11**	**31**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS MINYA (A)—AUGUST 1961

Hour (U.T.)	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	19	2	0	0	0	0	0	0	0	0	0	4	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	22	4	0	0	0	0	0	0	0	0	0	4	30
0300	2	0	0	1-10	20	1	0	0	0	0	0	0	0	0	0	7	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	20	2	0	0	0	0	0	0	0	0	0	7	29
0600	1	0	0	1-10	11	9	0	0	0	0	0	0	0	0	0	4	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	14	12	0	0	0	0	0	0	0	0	0	4	30
0900	1	0	0	1-10	7	9	0	0	0	0	0	0	0	0	2	8	26
				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	10	10	0	0	0	0	0	0	0	0	2	8	30
1200	0	0	0	1-10	5	16	2	0	0	0	0	0	0	0	0	2	25
				11-27	2	3	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	7	19	2	0	0	0	0	0	0	0	0	3	31
1500	1	0	0	1-10	3	24	0	0	0	0	0	0	0	0	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	00
				All speeds	3	24	0	0	0	0	0	0	0	0	2	1	30
1800	11	0	0	1-10	12	8	0	0	0	0	0	0	0	0	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	12	8	0	0	0	0	0	0	0	0	0	0	20
2100	5	0	0	1-10	2	4	0	0	0	0	0	0	0	0	2	2	20
				11-27	3	2	0	0	0	0	0	0	0	0	0	0	5
				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	5	6	0	0	0	0	0	1	0	0	2	2	26

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS ASYOUT (A) — AUGUST 1961

Hour (U.T.)	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	0	0	4	14	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**14**	**1**	**4**	**23**
0300	8	0	0	1-10	0	0	0	0	0	0	0	0	2	15	4	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**	**0**	**2**	**15**	**4**	**2**	**23**
0600	4	0	0	1-10	2	0	0	0	0	0	0	0	0	3	16	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	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**16**	**6**	**27**
0900	1	0	0	1-10	2	0	0	0	0	0	0	0	0	0	3	17	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	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**21**	**30**
1200	0	0	0	1-10	2	0	0	0	0	0	0	0	0	0	1	8	11
				11-27	3	0	0	0	0	0	0	0	0	0	2	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**23**	**31**
1500	0	0	0	1-10	8	0	0	0	0	0	0	0	0	0	3	13	24
				11-27	2	0	0	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	**10**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**18**	**31**
1800	13	0	0	1-10	1	0	0	0	0	0	0	0	0	5	9	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**	**0**	**0**	**0**	**0**	**0**	**5**	**9**	**3**	**18**
2100	15	0	0	1-10	1	0	0	0	0	0	0	0	3	4	7	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**4**	**7**	**1**	**16**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OVSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.
LUXOR (A) — AUGUST 1961

Hour (U.T.)	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 / 154	255 / 284	285 / 314	315 / 344	All directions
0000	13	0	0	1-10	1	0	0	0	0	0	0	4	6	7	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	1	0	0	0	0	0	0	4	6	7	0	0	18
0300	16	0	0	1-10	0	0	0	0	0	0	1	2	8	4	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	0	1	2	8	4	0	0	15
0600	13	0	0	1-10	2	1	0	0	0	1	0	0	2	2	4	6	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	1	0	0	0	1	0	0	2	2	4	6	18
0900	1	0	0	1-10	9	9	1	0	0	0	0	0	0	0	2	9	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	9	1	0	0	0	0	0	0	0	2	9	30
1200	0	0	0	1-10	6	4	0	0	0	0	0	0	0	2	2	14	28
				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	6	4	0	0	0	0	0	0	0	2	2	17	31
1500	4	0	0	1-10	13	1	0	0	0	0	0	0	0	0	2	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	2
				All speeds	13	1	0	0	0	0	0	0	0	0	2	11	27
1800	3	0	0	1-10	5	0	0	0	0	0	0	0	2	1	5	14	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	5	0	0	0	0	0	0	0	2	1	5	15	28
2100	12	0	0	1-10	1	0	0	0	0	0	0	3	7	5	0	2	18
				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	0	1	0	0	3	7	5	0	2	19

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS
ASWAN (A) — AUGUST 1961

Hour (U.T.)	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	5	0	0	0	0	0	0	0	0	2	4	6	17
				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	**9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**6**	**21**
0300	14	0	0	1–10	6	0	0	0	0	0	0	0	1	2	3	4	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	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**3**	**5**	**17**
0600	10	0	0	1–10	6	1	0	0	0	0	1	1	0	1	3	3	16
				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	**11**	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**1**	**3**	**3**	**21**
0900	6	0	0	1–10	11	1	0	0	0	0	0	0	0	0	1	5	18
				11–27	3	0	0	0	0	0	0	0	0	0	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	**14**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**6**	**25**
1200	3	0	0	1–10	4	0	1	0	0	0	0	1	1	1	5	3	16
				11–27	0	0	0	0	0	0	0	1	0	2	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	**4**	**0**	**1**	**0**	**0**	**0**	**0**	**2**	**1**	**3**	**13**	**4**	**28**
1500	0	0	0	1–10	5	0	0	0	0	0	0	1	0	1	5	3	15
				11–27	1	0	0	0	0	0	0	0	0	4	5	4	15
				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	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**5**	**11**	**7**	**31**
1800	1	0	0	1–10	6	6	0	0	0	0	0	0	1	2	6	2	17
				11–27	2	0	0	0	0	0	0	0	0	0	4	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	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**10**	**9**	**30**
2100	5	0	0	1–10	4	0	0	0	0	0	0	0	0	1	2	8	15
				11–27	2	0	0	0	0	0	0	0	0	1	3	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	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**5**	**13**	**26**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS SIWA — AUGUST 1961

Hour (U.T.)	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	3	8	4	5	1	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	**3**	**8**	**4**	**5**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**21**
0300	18	0	0	1-10	6	4	1	1	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	**6**	**4**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**13**
0600	14	0	0	1-10	10	3	2	0	0	0	0	0	0	1	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	**10**	**3**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**17**
0900	0	0	0	1-10	6	2	0	1	1	3	0	0	0	2	2	12	29
				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**	**2**	**0**	**1**	**1**	**3**	**0**	**0**	**0**	**2**	**2**	**12**	**31**
1200	0	0	0	1-10	6	2	0	0	0	0	1	1	1	0	3	6	21
				11-27	3	0	0	0	0	0	0	0	0	0	1	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	**9**	**2**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**4**	**13**	**31**
1500	0	0	0	1-10	8	3	0	0	0	0	0	0	0	0	2	8	21
				11-27	5	2	0	0	0	0	0	0	0	0	0	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
				Al speeds	**13**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**11**	**31**
1800	6	0	0	1-10	7	2	1	0	0	0	0	0	0	0	3	9	22
				11-27	1	2	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	**8**	**4**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**9**	**25**
2100	2	0	0	1-10	1	8	7	1	0	0	0	0	0	0	1	1	19
				11-27	0	6	2	1	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
				Al speeds	**1**	**14**	**9**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**29**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS BAHARIYA — AUGUST 1961

Hour (U.T.)	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	9	7	0	0	0	0	0	0	0	0	0	1	17
				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	**15**	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**23**
0300	20	0	0	1–10	10	1	0	0	0	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	1	1	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**10**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**11**
0600	11	0	0	1–10	10	2	0	0	0	0	0	0	0	0	0	1	13
				11–27	6	1	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	**16**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**20**
0900	2	0	0	1–10	7	3	0	0	0	0	0	0	0	0	1	7	18
				11–27	3	2	0	0	0	0	0	0	0	0	2	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	5	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**11**	**29**
1200	1	0	0	1–10	6	0	0	0	0	0	0	0	0	0	1	3	10
				11–27	7	0	0	0	0	0	0	0	0	0	3	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	13	0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**13**	**30**
1500	0	0	0	1–10	8	1	1	0	0	0	0	0	0	0	0	3	13
				11–27	8	1	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	16	2	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**31**
1800	1	0	0	1–10	12	1	0	0	0	0	0	0	0	0	3	8	24
				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	**15**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**9**	**30**
2100	6	0	0	1–10	10	6	0	0	0	0	0	0	0	0	1	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	**15**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**25**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS
DAKHLA — AUGUST 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of directions indicated												
					345 / 014	014 / 045	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	0	0	0	0	0	0	3	1	16	5	1	28
				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	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**	**3**	**1**	**16**	**6**	**1**	**30**
0300	1	0	0	1–10	0	0	0	0	0	0	2	3	8	12	4	0	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**	**2**	**3**	**8**	**12**	**5**	**0**	**30**
0600	2	0	0	1–10	2	2	0	0	0	0	2	0	1	9	9	3	27
				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	**2**	**2**	**0**	**0**	**0**	**0**	**2**	**0**	**2**	**9**	**10**	**3**	**29**
0900	0	0	0	1–10	3	1	0	2	1	2	0	1	0	0	2	6	18
				11–27	4	1	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	**7**	**2**	**0**	**2**	**1**	**2**	**0**	**1**	**0**	**0**	**4**	**12**	**31**
1200	0	0	0	1–10	3	1	0	0	0	0	0	1	0	2	4	2	13
				11–27	4	0	0	0	0	0	0	0	0	0	4	10	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	**7**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**2**	**8**	**12**	**31**
1500	0	0	0	1–10	4	0	0	0	0	0	0	0	0	1	0	6	11
				11–27	3	0	0	0	0	0	0	0	0	0	1	16	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	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**22**	**31**
1800	0	0	0	1–10	8	2	0	0	0	0	0	0	1	1	4	12	28
				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	**9**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**4**	**14**	**31**
2100	4	0	0	1–10	0	0	1	0	0	0	1	0	1	5	12	5	25
				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	**2**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**1**	**5**	**12**	**5**	**27**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS KHARGA — AUGUST 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of directions indicated												
					345 / 041	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	3	0	0	0	0	0	0	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	3	0	0	0	0	0	0	0	0	0	0	0	3
0300	29	0	0	1-10	2	0	0	0	0	0	0	0	0	0	0	0	2
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	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	0	0	2
0600	16	0	0	1-10	11	0	0	0	0	0	0	0	0	0	0	1	12
				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	14	0	0	0	0	0	0	0	0	0	0	1	15
0900	6	0	0	1-10	13	3	0	1	0	0	0	0	0	0	0	0	17
				11-27	5	1	0	0	0	0	1	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	18	4	0	1	0	0	1	0	0	0	0	1	25
1200	6	0	0	1-10	13	1	0	0	0	0	0	1	0	0	0	1	16
				11-27	8	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	21	2	0	0	0	0	0	1	0	0	0	1	25
1500	6	0	0	1-10	14	0	0	0	0	0	0	0	0	1	0	1	16
				11-27	7	1	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
				≥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	1	0	2	25
1800	16	0	0	1-10	15	0	0	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	15	0	0	0	0	0	0	0	0	0	0	0	15
2100	27	0	0	1-10	4	0	0	0	0	0	0	0	0	0	0	0	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	4	0	0	0	0	0	0	0	0	0	0	0	4

Table A 10.— NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS. TOR — AUGUST 1961

Hour (U.T.)	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 direction
0000	6	0	0	1-10	1	0	0	0	1	0	0	0	0	3	7	1	13
				11-27	0	0	0	0	0	0	0	0	0	2	8	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	1	0	0	0	1	0	0	0	0	5	15	3	25
0300	9	0	0	1-10	0	0	0	0	0	0	0	0	0	1	9	3	13
				11-27	0	0	0	0	0	0	0	0	0	1	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	0	0	0	0	0	0	0	0	0	2	14	6	22
0600	2	0	0	1-10	0	1	0	0	0	0	0	0	1	5	11	3	21
				11-27	0	0	0	0	0	0	0	0	0	1	7	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	0	0	0	0	0	0	1	6	18	3	29
0900	0	0	0	1-10	0	0	0	0	0	0	0	0	0	4	8	0	12
				11-27	0	0	0	0	0	0	0	0	0	7	12	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	0	0	0	0	0	0	0	0	0	11	20	0	31
1200	0	0	0	1-10	0	0	0	0	0	0	0	0	0	4	7	0	11
				11-27	0	0	0	0	0	0	0	0	0	5	14	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
				Al speeds	0	0	0	0	0	0	0	0	0	9	21	1	31
1500	0	0	0	1-10	0	0	0	0	0	0	0	0	0	7	12	0	19
				11-27	1	0	0	0	0	0	0	0	0	3	8	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	0	0	0	0	0	0	0	0	10	20	0	31
1800	4	0	0	1-10	0	1	0	0	0	0	0	0	0	7	11	3	22
				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	0	1	0	0	0	0	0	0	0	7	16	3	27
2100	3	0	0	1-10	1	0	0	1	0	0	1	0	1	2	6	2	14
				11-27	1	0	0	0	0	0	0	0	0	3	7	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	2	0	0	1	0	0	1	0	1	5	13	5	28

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS. HURGHADA — AUGUST 1961

Hour (U.T.)	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 direction
0000	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	8	9	17
				11-27	0	0	0	0	0	0	0	0	0	2	5	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**13**	**16**	**31**
0300	1	0	0	1-10	0	0	0	0	0	0	0	0	0	0	1	4	5
				11-27	0	0	0	0	0	0	0	0	0	0	3	22	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**	**4**	**26**	**30**
0600	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	0	2	2
				11-27	1	0	0	0	0	0	0	0	0	0	1	26	28
				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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**29**	**31**
0900	0	0	0	1-10	0	3	0	0	0	0	0	0	0	0	0	0	3
				11-27	22	2	0	0	0	0	0	0	0	0	0	4	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	**22**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**31**
1200	0	0	0	1-10	1	1	1	0	0	0	0	0	0	0	0	0	3
				11-27	18	10	0	0	0	0	0	0	0	0	0	0	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	**19**	**11**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**31**
1500	0	0	0	1-10	6	3	0	0	0	4	0	0	0	0	0	3	16
				11-27	8	0	0	0	0	0	0	0	0	0	0	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	**14**	**3**	**0**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**10**	**31**
1800	5	0	0	1-10	0	0	0	0	2	2	0	0	0	0	2	6	12
				11-28	0	0	0	0	0	0	0	0	0	0	2	12	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**	**2**	**2**	**0**	**0**	**0**	**0**	**4**	**18**	**26**
2100	1	0	0	1-10	0	0	0	1	0	0	0	0	1	2	7	3	14
				11-27	0	0	0	0	0	0	0	0	0	4	8	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	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**6**	**15**	**7**	**30**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS. QUSEIR — AUGUST 1961

Hour (U.T.)	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 direction
0000	15	0	0	1–10	0	0	0	0	0	0	0	1	0	5	5	4	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**	**0**	**0**	**0**	**1**	**0**	**6**	**5**	**4**	**16**
0300	1	0	0	1–10	0	0	0	0	0	0	0	0	0	19	5	3	27
				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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**5**	**5**	**30**
0600	0	0	0	1–10	4	0	0	0	0	0	0	0	0	1	2	0	7
				11–27	8	0	0	0	0	0	0	0	0	0	1	15	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	**12**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**15**	**31**
0900	0	0	0	1–10	2	2	0	0	0	0	0	0	0	0	0	1	5
				11–27	24	1	0	0	0	0	0	0	0	0	0	1	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	**26**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**31**
1200	0	0	0	1–10	3	6	0	0	0	0	0	0	0	0	0	1	10
				11–27	13	8	0	0	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	0
				All speeds	**16**	**14**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**31**
1500	1	0	0	1–10	10	3	2	9	0	0	0	0	0	0	0	4	28
				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	**10**	**3**	**2**	**9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**30**
1800	16	0	0	1–10	0	0	0	0	0	3	4	0	0	3	1	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	**0**	**0**	**0**	**0**	**0**	**3**	**4**	**0**	**0**	**3**	**1**	**4**	**15**
2100	21	0	0	1–10	0	0	0	0	0	0	0	0	0	5	1	4	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**1**	**4**	**10**

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — AUGUST 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Maen
		*	*	*						
Surface of station . .	31	1007mb.	1010mb.	1004mb.	31	23.4	24.7	21.1	31	20.3
1000	31	103	130	77	31	22.9	24.4	20.5	31	19.6
850	31	1510	1533	1475	31	18.0	22.2	13.8	28	1.2
700	31	3146	3180	3098	31	10.3	15.7	6.3	4	—6.0
600	31	4412	4453	4349	31	3.7	6.7	0.0	—	—
500	31	5872	5926	5784	31	—4.0	2.0	—8.8	—	—
400	31	7599	7692	7492	31	—14.9	—10.5	—18.5	—	—
300	31	9713	9846	9595	31	—29.7	—24.5	—33.6	—	—
200	31	12483	12537	12349	31	—50.3	—46.5	—61.7	—	—
150	30	14311	14524	14157	30	—63.0	—60.8	—65.1	—	—
100	30	16725	16956	16549	30	—76.1	—71.5	—80.4	—	—
60	21	19753	19945	19579	21	—64.3	—59.0	—70.8	—	—
40	13	22296	22460	22221	13	—56.2	—52.7	—60.0	—	—
30	6	24103	24151	24058	6	—52.5	—49.7	—55.4	—	—
20	2	26767	26827	26707	2	—45.6	—44.9	—46.3	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 1200 U T. — AUGUST 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface	31	1007mb.	1010mb.	1004mb.	31	27.3	28.5	26.1	31	20.8
1000	31	106	131	77	31	26.6	28.3	25.1	31	19.8
850	31	1522	1544	1486	31	19.2	24.2	15.3	27	—0.3
700	31	3164	3207	3124	31	11.1	14.8	6.8	6	—6.5
600	31	4434	4487	4387	31	4.9	8.2	0.1	—	—
500	31	5902	5997	5842	31	—2.9	0.5	—7.9	—	—
400	31	7632	7690	7559	31	—13.6	—8.3	—17.2	—	—
300	31	9759	9827	9683	31	—28.0	—21.6	—30.9	—	—
200	31	12547	12638	12445	31	—48.7	—45.3	—51.7	—	—
150	31	14383	14492	14272	31	—61.9	—58.7	—65.1	—	—
100	30	16805	16922	16687	30	—73.8	—71.0	—80.9	—	—
60	24	19864	19982	19722	24	—60.7	—53.0	—64.0	—	—
40	10	22437	22567	22277	10	—52.3	—47.0	—55.7	—	—
30	3	24250	24355	24145	3	—49.6	—48.7	—50.2	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—0000 U.T. — AUGUST 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface	29	* 992mb.	* 994mb.	* 989mb.	29	23.6	26.6	22.2	29	16.1
1000	29	73	92	52	—	—	—	—	—	—
850	29	1480	1501	1459	29	20.1	24.5	16.2	26	0.3
700	29	3126	3151	3089	29	11.8	15.1	6.7	7	—5.5
600	29	4400	4437	4353	29	6.1	9.0	2.8	—	—
500	29	5873	5919	5819	29	—1.4	2.7	—4.3	—	—
400	29	7619	7667	7555	29	—12.3	—9.4	—17.1	—	—
300	29	9755	9813	9690	29	—27.0	—25.2	—30.9	—	—
200	28	12550	12628	12469	28	—48.5	46.9	—50.5	—	—
150	28	14374	14473	14294	28	—61.8	—58.8	—64.5	—	—
100	21	16804	16904	16686	21	—74.7	—69.8	—82.0	—	—
60	11	19820	20263	19615	11	—63.8	—61.2	—68.2	—	—
40	8	22372	22810	22126	8	—55.2	—54.0	—56.7	—	—
30	3	24523	24669	24173	3	—51.5	—50.4	—52.4	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN —1200 U.T. — AUGUST 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface	30	* 991mb.	* 994mb.	* 988mb.	30	32.9	37.0	30.5	30	11.2
1000	30	70	92	44	—	—	—	—	—	—
850	30	1492	1529	1464	30	20.2	24.4	15.6	28	1.5
700	30	3147	3189	3094	30	11.6	15.6	7.3	10	—6.6
600	30	4414	4462	4356	30	6.0	9.2	2.3	—	—
500	30	5891	5950	5824	30	—1.1	2.1	—5.8	—	—
400	30	7637	7724	7561	30	—11.8	—4.5	—16.6	—	—
300	28	9780	9909	9684	28	—26.3	—23.3	—28.3	—	—
200	28	12589	12736	12476	28	—47.4	—44.4	—49.5	—	—
150	27	14436	14594	14309	27	—60.9	—58.5	—64.1	—	—
100	22	16859	17070	16717	22	—74.6	—68.7	—87.0	—	—
60	15	19895	20153	19768	15	—61.7	—57.0	—66.2	—	—
40	4	22418	22453	22372	4	—51.9	—48.3	—54.7	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 0000 U.T. — AUGUST 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface	31	* 994mb.	* 996mb.	* 990mb.	31	28.9	33.0	25.5	31	8.5
1000	—	—	—	—	—	—	—	—	—	—
850	31	1485	1509	1456	31	22.6	28.7	17.4	31	3.1
700	31	3141	3190	3087	31	11.6	16.0	5.8	21	—5.0
600	31	4410	4476	4343	31	3.2	7.5	—0.6	14	—10.0
500	31	5870	5934	5785	31	—4.2	1.1	—8.1	8	—18.3
400	31	7598	7654	7494	31	—14.1	—9.8	—17.4	1	—33.0
300	31	9720	9794	9606	31	—29.1	—22.9	—33.0	—	—
200	30	12493	12705	12363	30	—50.7	—33.5	—60.0	—	—
150	26	14318	14703	14116	26	—63.9	—41.6	—73.8	—	—
100	22	16733	17387	16528	22	—77.4	—53.5	—81.8	—	—
60	11	19676	19810	19517	11	—65.4	—60.0	—68.5	—	—
40	6	22210	22382	22001	6	—57.8	—51.5	—61.9	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — AUGUST 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface	30	* 994mb.	* 997mb	* 990mb	30	40.6	42.0	37.5	30	8.8
1000	—	—	—	—	—	—	—	—	—	—
850	30	1511	1551	1481	30	25.5	33.2	19.2	24	1.1
700	30	3174	3227	3145	30	12.9	25.0	8.0	19	—9.0
600	30	4450	4555	4414	30	5.2	15.4	2.0	10	—15.2
500	30	5915	6069	5867	30	—3.6	4.8	—6.9	6	—21.0
400	30	7652	7861	7603	30	—12.6	—2.1	—17.9	—	—
300	29	9784	10093	9712	29	—28.0	—15.2	—32.2	—	—
200	26	12578	13040	12457	26	—49.0	—34.0	—52.8	—	—
150	25	14410	15012	14303	25	—63.1	—44.0	—67.7	—	—
100	18	16838	17675	16723	18	—76.1	—54.7	—80.2	—	—
60	6	19979	20948	19718	6	—62.5	—49.4	—69.9	—	—
40	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

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 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Mersa Matruh .(A)	5177 (31)	546 (31)	— —	6370	473	—	4540	590	—	14360 (27)	150 (27)	—62.7 (27)	16250	108	—75.1	11720	224	—46.0	12500	199	250	58
Helwan	5609 (29)	555 (29)	— —	6430	468	—	4810	568	—	15159 (17)	134 (17)	—66.2 (17)	18106	80	—73.0	13110	182	—53.5	—	—	—	—
Aswan . . . .(A)	4977 (31)	558 (31)	—13.8 (10)	6050	490	—17.3	4270	607	—	15772 (19)	118 (19)	—74.2 (19)	17730	83	—81.5	13520	166	—72.5	17500	87	110	94

Table B2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE THE HIGHEST WIND SPEED IN THE UPPER AIR

1200 U.T. — AUGUST 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm)	Pressure (m.b)	Dew point (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000–360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Mersa Matruh .(A)	5355	534	—	5970	496	—	4820	570	—	14824	141	—65.2	16180	110	—75.1	12000	214	—47.2	16700	103	200	63
	(31)	(31)	—							(28)	(28)	(28)										
Helwan	5692	513	—	6360	475	—	4980	558	—	14674	147	—62.4	18040	82	—76.2	12750	194	—49.1	—	—	—	—
	(30)	(30)	—							(23)	(23)	(23)										
Aswan . . . (A)	5264	545	—16.8	6980	446	—	4160	620	—15.4	15068	136	—67.0	17675	100	—54.9	13490	172	—55.9	16800	115	100	75
	(30)	(30)	(8)							(17)	(17)	(17)										

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 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	2	12	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	9	10	7	7	10	9	10	2	31	9
1000	2	12	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	9	10	7	7	10	9	10	2	31	9
850	6	12	3	9	0	—	0	—	1	2	0	—	0	—	0	—	0	—	2	12	7	17	11	12	1	31	12
700	5	15	3	10	2	6	0	—	0	—	0	—	0	—	0	—	1	8	5	12	8	12	7	11	0	31	11
600	5	14	2	8	3	9	0	—	1	12	0	—	0	—	0	—	2	15	4	18	9	12	5	13	0	31	13
500	4	17	1	13	0	—	0	—	0	—	0	—	0	—	3	13	7	18	7	14	3	12	6	11	0	31	14
400	1	24	0	—	0	—	1	14	2	12	0	—	1	15	3	19	10	17	8	16	2	8	3	10	0	31	16
300	2	12	0	—	0	—	0	—	0	—	0	—	2	22	8	20	11	20	5	15	0	—	1	18	1	30	18
200	0	—	0	—	0	—	0	—	0	—	1	43	1	3	8	19	10	20	6	15	1	26	1	12	1	29	18
150	0	—	0	—	0	—	1	23	1	6	0	—	0	—	7	27	9	20	4	15	0	—	0	—	0	22	21
100	0	—	0	—	0	—	1	23	3	6	0	—	2	28	3	26	2	24	0	—	0	—	0	—	0	11	21
60	0	—	0	—	0	—	0	—	1	8	1	26	0	—	1	25	0	—	0	—	0	—	0	—	0	3	20
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 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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	(ff)	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m			
Surface of station	3	18	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	16	13	12	14	0	31	14
1000	3	18	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	16	13	12	14	0	31	14
850	4	12	2	4	0	—	0	—	0	—	1	4	0	—	1	7	0	—	4	8	12	11	7	11	0	31	10
700	3	10	2	18	2	9	0	—	0	—	0	—	0	—	0	—	1	14	4	10	8	10	10	8	1	31	10
600	4	8	2	10	1	23	0	—	0	—	0	—	0	—	0	—	5	12	8	11	5	11	5	10	1	31	11
500	1	17	1	16	0	—	0	—	1	9	0	—	0	—	3	16	11	16	6	9	6	10	1	5	1	31	12
400	0	—	1	8	0	—	0	—	0	—	0	—	0	—	5	12	13	18	8	14	3	11	0	—	1	31	14
300	0	—	0	—	1	5	0	—	1	12	1	9	3	16	7	20	13	20	4	22	1	8	0	—	0	31	18
200	0	—	0	—	1	7	1	22	2	16	3	10	0	—	13	23	6	22	5	20	0	—	0	—	0	31	19
150	0	—	0	—	0	—	2	12	2	22	3	16	4	18	9	24	5	17	0	—	0	—	0	—	0	25	20
100	0	—	0	—	1	3	2	26	3	11	1	5	1	8	4	29	1	21	0	—	0	—	0	—	0	13	18
60	0	—	0	—	2	24	1	5	0	—	0	—	0	—	1	35	0	—	0	—	0	—	0	—	0	4	22
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

HELWAN – 0000 U.T. — AUGUST 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	2	9	7	14	0	—	1	8	0	—	0	—	0	—	0	—	2	14	4	12	8	14	5	11	0	29	13
700	3	5	4	15	0	—	1	15	2	6	1	16	3	11	4	19	3	7	1	5	5	10	2	7	0	29	11
600	1	11	4	8	2	30	0	—	0	—	0	—	3	13	0	—	6	9	3	9	4	9	6	12	0	29	11
500	4	7	2	18	6	12	0	—	1	5	0	—	0	—	0	—	5	13	7	12	2	12	2	14	0	29	12
400	2	10	4	21	2	9	1	14	1	10	0	—	0	—	2	12	5	14	7	10	3	5	2	4	0	29	11
300	1	63	4	10	1	10	1	15	2	9	1	5	2	10	4	12	8	18	4	13	0	—	0	—	0	28	15
200	0	—	0	—	1	17	1	16	4	14	1	7	8	19	9	21	2	24	0	—	0	—	0	—	0	26	19
150	0	—	0	—	0	—	0	—	4	20	3	15	7	24	5	23	1	20	0	—	0	—	0	—	0	20	21
100	0	—	0	—	0	—	1	28	2	16	1	24	2	18	1	34	0	—	0	—	0	—	0	—	0	7	22
60	0	—	1	15	0	—	0	—	1	35	0	—	1	28	0	—	0	—	0	—	0	—	0	—	—	3	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

HELWAN — 1200 U.T. — AUGUST 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	5	10	2	10	2	14	0	—	0	—	0	—	3	6	0	—	0	—	5	11	5	8	8	10	0	30	10
700	2	9	1	3	1	20	1	13	0	—	0	—	1	7	4	16	6	10	6	11	4	6	3	10	1	30	10
600	2	8	2	10	3	9	0	—	1	10	1	7	2	4	2	14	5	12	10	10	1	5	1	14	0	30	10
500	3	7	3	10	3	10	2	6	0	—	1	4	1	9	2	7	6	14	7	11	2	6	0	—	0	30	10
400	2	10	2	10	1	6	2	6	2	6	1	4	3	11	2	5	11	13	0	—	1	7	3	6	0	30	10
300	0	—	0	—	1	14	2	8	0	—	4	13	5	10	9	14	4	15	2	8	0	—	1	6	0	28	12
200	0	—	0	—	0	—	0	—	7	23	5	22	7	21	4	20	2	11	1	17	0	—	0	—	0	26	20
150	0	—	0	—	0	—	1	30	5	27	3	16	6	23	0	—	1	23	0	—	0	—	0	—	0	16	23
100	0	—	0	—	0	—	0	—	4	28	1	26	1	53	0	—	0	—	0	—	0	—	0	—	0	6	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 (A) — 0000 U.T. — AUGUST 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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	(fi) m	N	(ff) m	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 of station	15	7	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	10	1	12	14	31	4
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	1	8	1	21	0	—	0	—	0	—	0	—	1	5	4	7	3	9	2	10	9	11	10	10	0	31	10
700	1	6	1	8	0	—	0	—	2	8	0	—	1	14	3	10	11	14	7	16	5	12	0	—	0	31	13
600	1	6	1	7	1	8	1	7	2	6	0	—	0	—	2	8	9	19	6	8	7	13	1	14	0	31	13
500	4	9	2	9	3	13	4	11	3	9	3	7	2	6	0	—	1	16	4	8	1	8	4	8	0	31	9
400	0	—	0	—	3	16	15	13	3	9	3	17	1	6	1	8	3	19	1	10	0	—	1	11	0	31	13
300	0	—	1	8	7	10	10	19	4	18	4	10	1	15	2	10	1	19	0	—	0	—	1	11	0	31	14
200	1	17	0	—	3	18	5	27	16	23	4	21	0	—	0	—	0	—	0	—	0	—	0	—	0	29	23
150	0	—	0	—	1	31	3	29	11	37	5	42	0	—	0	—	0	—	0	—	0	—	0	—	0	20	36
100	0	—	0	—	0	—	3	37	7	48	1	26	0	—	0	—	0	—	0	—	0	—	0	—	0	11	43
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 (A) — 1200 U.T. — AUGUST 1961

N = The number of cases the wind has been observed from the range of direction during the month.
TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360°)																								Number of calm winds	Total number of observations (TN)	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 of station	12	6	0	—	0	—	0	—	0	—	0	—	0	—	1	8	0	—	6	6	4	8	4	6	3	30	6
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	2	10	0	—	0	—	0	—	0	—	0	—	1	5	0	—	0	—	10	12	10	12	7	11	0	30	11
700	1	8	0	—	0	—	0	—	1	5	2	16	2	9	3	11	8	21	9	19	3	17	1	4	0	30	16
600	3	8	2	5	0	—	0	—	0	—	1	10	0	—	7	14	9	20	6	15	0	—	2	11	0	30	15
500	0	—	1	5	2	12	5	12	1	18	0	—	1	5	4	17	4	18	4	6	5	6	3	10	0	30	11
400	0	—	4	10	3	12	6	17	6	11	0	—	3	7	3	12	2	11	2	17	1	12	0	—	0	30	12
300	0	—	1	18	0	—	11	20	10	20	4	8	1	7	0	—	1	16	1	27	0	—	0	—	0	29	18
200	0	—	1	9	1	37	6	28	11	25	4	33	1	11	0	—	0	—	0	—	0	—	0	—	0	24	26
150	0	—	0	—	0	—	4	34	10	35	1	8	1	51	0	—	0	—	0	—	0	—	0	—	0	16	34
100	0	—	0	—	0	—	3	39	3	19	1	26	0	—	0	—	0	—	0	—	0	—	0	—	0	7	29
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO - METEOROLOGICAL STATION AT GIZA
AUGUST 1961

This month was rather normal as compared with normal values of different meteorological elements of August at Giza. Deviations from normal values of the mean air temperature at 2 metres above ground, mean relative humidity and total rainfall were - 0.1°C, + 1% & 0.0 mm. respectively. One significant heat wave occurred in the period 12th - 17th August and reached its peak on the 13th, giving the extreme maximum air temperature for the month (37. 2°C).

The extreme maximum soil temperatures at depths between 0.3 & 10 cms inclusive in the dry field, were higher than the corresponding values for last year ; the maximum difference was + 3.2°C at 0.3 cm. depth. At depths greater than 10 cms, the values differed slightly between +0.3 & - 0.3°C from those of last year. The extreme minimum soil temperatures at 0.3, 1 & 2 cms. depths were lower than last year ; the maximum difference was–1.1°C at 0.3 cm. depth. At greater depths, the values were higher than last year; the maximum difference was + 0.6°C at 5 cms. depth.

The daily mean values of Piche evaporation, water pan evaporation, potential evaporaion and potential evapotranspiration were less than the corresponding values of last August by 0.4, 0.04, 0.6 & 1.1 mms. respectively.

For the month as a whole, the mean daily wind speed at 2 metres above ground and the total duration of bright sunshine were + 0.2 m/sec. & - 5.8 hours respectively from the corresponding values of last year.

REVIEW OF AGRO - METEOROLOGICAL STATION AT TAHRIR
AUGUST 1961

This month was free of disturbances except for one distinct heat wave which was centred on the 13th, yielding the extreme maximum temperature of the month.

Mean air temperature of the month was 0.2°C less than August of last year. Mean relative humidity, vapour pressure, and Piche evaporation were also less than the respective values of last year by 1%, 0.2 mm. and 2.9 mms. respectively while the mean wind speed at 2 metres was more than the corresponding value of August 1960 by 0.3 m/sec.

Concerning extreme soil temperatures, the difference between this year and last years' maxima from 5 cms. to one metre depth was insignificant.

The extreme minimum soil temperatures at 5 cms. was lower this year by 0.3°C, while it was more by 0.3 to 0.6°C from 10 cms to one metre depths.

Total actual sunshine durations gave the same ratio to possible durations as last year, while total global radiations was less by 62 gm. cal./cm^2 or about 0.3% of the monthly total.

Table C 1.—AIR TEMPERATURES AT 2 METRES ABOVE GROUND; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms ABOVE GROUND OVER DIFFERENT FIELDS

GIZA — AUGUST 1961

Date	Air Temperature (°C)					Duration in hours to the nearest half hour 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	22.3	26.9	24.6	28.8	24.0	24.0	24.0	24.0	24.0	24.0	13.0	6.0	0.0	0.0	0.0
2	34.5	22.5	27.2	24.7	29.1	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.0	0.0	0.0	0.0
3	34.0	23.0	27.6	25.2	29.5	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.0	0.0	0.0	0.0
4	33.3	21.4	26.7	24.6	28.4	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.0	0.0	0.0	0.0
5	32.7	20.6	26.4	24.4	28.0	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.0	0.0	0.0	0.0
6	33.7	19.2	26.3	23.8	28.3	24.0	24.0	24.0	24.0	24.0	23.0	13.0	7.0	0.0	0.0	0.0
7	33.5	21.4	26.7	24.2	28.6	24.0	24.0	24.0	24.0	24.0	24.0	13.5	6.5	0.0	0.0	0.0
8	33.3	20.8	26.8	24.2	28.7	24.0	24.0	24.0	24.0	24.0	24.0	14.5	7.0	0.0	0.0	0.0
9	34.2	21.8	27.0	24.8	28.7	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.5	0.0	0.0	0.0
10	33.6	22.4	27.1	24.8	28.8	24.0	24.0	24.0	24.0	24.0	24.0	15.0	6.5	0.0	0.0	0.0
11	34.2	22.1	27.7	25.4	29.5	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.5	0.0	0.0	0.0
12	36.3	22.8	28.7	26.2	30.6	24.0	24.0	24.0	24.0	24.0	24.0	16.0	10.0	2.0	0.0	0.0
13	37.2	21.8	29.3	26.5	31.5	24.0	24.0	24.0	24.0	24.0	24.0	16.5	10.5	4.0	0.0	0.0
14	36.0	21.9	28.6	25.9	30.7	24.0	24.0	24.0	24.0	24.0	24.0	16.0	9.5	1.5	0.0	0.0
15	36.1	20.4	28.2	25.4	30.3	24.0	24.0	24.0	24.0	24.0	24.0	16.0	9.5	0.5	0.0	0.0
16	36.7	24.3	29.0	26.6	31.0	24.0	24.0	24.0	24.0	24.0	24.0	16.0	9.5	2.5	0.0	0.0
17	36.0	22.1	28.2	25.7	30.4	24.0	24.0	24.0	24.0	24.0	24.0	15.0	9.0	1.0	0.0	0.0
18	33.5	21.4	27.0	25.1	28.6	24.0	24.0	24.0	24.0	24.0	24.0	15.0	7.0	0.0	0.0	0.0
19	32.5	21.7	26.4	24.2	28.3	24.0	24.0	24.0	24.0	24.0	24.0	13.0	5.5	0.0	0.0	0.0
20	31.4	19.6	25.7	23.7	27.3	24.0	24.0	24.0	24.0	24.0	23.5	13.5	4.0	0.0	0.0	0.0
21	32.6	20.2	26.2	24.0	28.0	24.0	24.0	24.0	24.0	24.0	24.0	12.5	5.0	0.0	0.0	0.0
22	33.7	20.9	26.4	23.9	28.5	24.0	24.0	24.0	24.0	24.0	24.0	12.5	7.0	0.0	0.0	0.0
23	34.8	22.3	27.3	24.7	29.6	24.0	24.0	24.0	24.0	24.0	24.0	14.5	7.5	0.0	0.0	0.0
24	34.3	20.2	26.9	24.3	29.0	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
25	34.1	19.0	26.8	24.3	28.8	24.0	24.0	24.0	24.0	24.0	22.5	15.0	7.5	0.0	0.0	0.0
26	32.7	21.0	26.8	24.8	28.6	24.0	24.0	24.0	24.0	24.0	24.0	15.0	6.5	0.0	0.0	0.0
27	33.5	22.4	26.8	24.4	28.9	24.0	24.0	24.0	24.0	24.0	24.0	12.5	6.5	0.0	0.0	0.0
28	34.3	22.8	27.1	24.6	29.3	24.0	24.0	24.0	24.0	24.0	24.0	13.5	6.5	0.0	0.0	0.0
29	34.0	23.2	27.5	25.0	29.6	24.0	24.0	24.0	24.0	24.0	24.0	14.0	8.0	0.0	0.0	0.0
30	34.2	21.5	26.8	24.5	28.9	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.0	0.0	0.0	0.0
31	34.0	20.5	26.7	24.2	28.8	24.0	24.0	24.0	24.0	24.0	24.0	13.5	6.5	0.0	0.0	0.0
Total	—	—	—	—	—	744.0	744.0	744.0	744.0	744.0	741.0	442.0	226.0	11.5	0.0	0.0
Mean	34.1	21.5	27.2	24.8	29.1	24.0	24.0	24.0	24.0	24.0	23.9	14.3	7.3	0.4	0.0	0.0

Highest maximum at 2 metres 37.2 °C on 13th. Highest minimum at 2 metres 24.3 °C on 16th.

Lowest maximum at 2 metres 31.4 °C on 20th. Lowest minimum at 2 metres 19.0 °C on 25th.

Absolute minimum temperature at 5 cms. Above dry soil 16.1 °C on 25th.

" " " " " wet soil 16.5 °C on 25th.

" " " " " grass 14.0 °C on 25th.

Table C 1.—AIR TEMPERATURES AT 2 METRES ABOVE GROUND ; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms ABOVE GROUND OVER DIFFERENT FIELDS

TAHRIR — AUGUST 1961

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	34.3	20.8	26.9	23.9	29.2	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.0	0.0	0.0	0.0
2	34.1	20.7	26.5	23.5	28.9	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.0	0.0	0.0	0.0
3	33.4	21.9	27.2	25.0	29.0	24.0	24.0	24.0	24.0	24.0	24.0	14.5	6.5	0.0	0.0	0.0
4	33.8	19.9	26.1	23.2	28.4	24.0	24.0	24.0	24.0	24.0	24.0	13.0	6.0	0.0	0.0	0.0
5	33.8	19.7	26.2	22.8	28.7	24.0	24.0	24.0	24.0	24.0	23.0	13.0	6.5	0.0	0.0	0.0
6	34.1	20.0	26.6	23.3	29.2	24.0	24.0	24.0	24.0	24.0	24.0	13.0	8.0	0.0	0.0	0.0
7	33.6	20.4	26.7	23.4	29.1	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.5	0.0	0.0	0.0
8	33.8	21.2	26.9	23.9	29.2	24.0	24.0	24.0	24.0	24.0	24.0	14.5	7.0	0.0	0.0	0.0
9	33.7	21.2	26.6	24.1	28.8	24.0	24.0	24.0	24.0	24.0	24.0	13.5	6.5	0.0	0.0	0.0
10	34.1	22.5	26.9	24.1	29.0	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.5	0.0	0.0	0.0
11	35.4	22.3	27.6	24.3	29.7	24.0	24.0	24.0	24.0	24.0	24.0	15.5	7.5	0.0	0.0	0.0
12	37.0	23.0	28.6	25.1	31.2	24.0	24.0	24.0	24.0	24.0	24.0	16.5	8.5	3.5	0.0	0.0
13	38.0	21.6	28.3	24.9	31.4	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.5	4.5	0.0	0.0
14	37.0	21.6	28.2	24.6	31.0	24.0	24.0	24.0	24.0	24.0	24.0	16.0	9.0	3.0	0.0	0.0
15	36.2	21.4	27.7	24.7	30.3	24.0	24.0	24.0	24.0	24.0	24.0	16.5	8.0	0.5	0.0	0.0
16	36.6	22.7	28.8	25.4	31.5	24.0	24.0	24.0	24.0	24.0	24.0	13.5	9.5	4.0	0.0	0.0
17	36.5	21.7	28.0	24.6	30.9	24.0	24.0	24.0	24.0	24.0	23.0	14.5	8.5	2.5	0.0	0.0
18	33.5	20.7	26.6	23.9	28.8	24.0	24.0	24.0	24.0	24.0	24.0	14.5	7.5	0.0	0.0	0.0
19	32.4	21.0	26.3	24.2	28.5	24.0	24.0	24.0	24.0	24.0	24.0	13.0	5.5	0.0	0.0	0.0
20	33.7	19.1	25.8	22.6	28.2	24.0	24.0	24.0	24.0	24.0	21.5	13.0	5.5	0.0	0.0	0.0
21	32.6	20.4	25.9	23.4	28.4	24.0	24.0	24.0	24.0	24.0	24.0	12.0	5.0	0.0	0.0	0.0
22	35.0	19.0	26.1	22.1	29.0	24.0	24.0	24.0	24.0	24.0	20.5	12.5	7.0	0.0	0.0	0.0
23	34.5	19.7	26.8	23.5	29.6	24.0	24.0	24.0	24.0	24.0	24.0	14.0	8.0	0.0	0.0	0.0
24	33.8	20.8	26.8	23.6	29.4	24.0	24.0	24.0	24.0	24.0	24.0	13.5	8.0	0.0	0.0	0.0
25	35.4	20.9	27.0	24.1	29.4	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
26	33.6	20.6	26.7	24.1	29.0	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.5	0.0	0.0	0.0
27	33.0	20.6	26.0	23.8	28.1	24.0	24.0	24.0	24.0	24.0	24.0	12.5	5.5	0.0	0.0	0.0
28	34.2	22.0	26.8	23.6	29.4	24.0	24.0	24.0	24.0	24.0	24.0	13.5	6.5	0.0	0.0	0.0
29	35.3	22.3	27.2	24.1	29.8	24.0	24.0	24.0	24.0	24.0	24.0	12.5	7.5	0.0	0.0	0.0
30	34.8	20.1	26.0	23.0	28.7	24.0	24.0	24.0	24.0	24.0	24.0	12.5	6.0	0.0	0.0	0.0
31	34.3	19.5	25.6	22.7	28.4	24.0	24.0	24.0	24.0	24.0	23.5	11.5	6.0	0.0	0.0	0.0
Total	—	—	—	—	—	744.0	744.0	744.0	744.0	744.0	736.5	427.0	219.0	18.0	0.0	0.0
Mean	34.6	20.9	26.9	23.9	29.4	24.0	24.0	24.0	24.0	24.0	23.8	13.8	7.1	0.6	0.0	0.0

Highest maximum at 2 metres 38.0°C on 13.th

Lowest maximum at 2 metres 32.4°C on 19.th

Highest minimum at 2 metres 23.0°C on 12 th.

Lowest minimum at 2 metres 19.0°C on 22nd.

Absolute minimum temperature at 5 cms. above dry soil	17.9 °C	on	22nd.
" " " " " wet soil	— °C	on	—
" " " " " grass	— °C	on	—

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

GIZA—AUGUST 1961

Date	Wind speed metres per seconod			Solar + sky radiation gm. cal./cm²	Duration of bright sunshine in hours			Relative humidity hours of duration		Relative humidity %		Vapour pressure in millimeters		Evaporation in millimeters		Amount of rainfall in millimeters
	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	2.7	2.0	3.7	630	11.6	13.6	85	0	2	68	42	16.5	15.5	13.3	10.06	0.0
2	2.4	1.8	3.2	581	10.0	13.6	74	1	2	72	47	18.3	17.7	13.1	9.90	0.0
3	2.0	1.8	2.3	598	10.5	13.5	78	0	0	70	46	18.1	17.2	10.8	9.24	0.0
4	2.8	2.5	3.3	604	11.0	13.5	81	1	1	67	45	16.6	16.2	13.4	11.60	0.0
5	2.9	2.4	3.6	611	11.4	13.5	84	0	2	66	42	15.7	14.4	13.1	9.78	0.0
6	2.5	1.8	3.6	581	10.3	13.5	76	0	5	68	41	16.0	14.7	13.6	10.31	0.0
7	2.7	1.9	3.8	628	12.1	13.4	90	1	2	68	43	16.5	15.6	13.7	10.46	0.0
8	2.3	1.6	3.4	582	11.4	13.4	85	1	3	70	43	16.9	15.2	12.7	9.92	0.0
9	2.2	1.8	2.9	602	11.6	13.4	87	1	1	72	47	18.0	16.9	11.5	10.07	0.0
10	2.5	2.1	3.1	587	9.7	13.4	72	0	1	70	48	17.8	17.4	11.1	9.78	0.0
11	2.4	2.0	2.9	617	11.0	13.4	82	1	3	72	44	18.6	17.2	12.2	9.61	0.0
12	2.4	2.0	2.9	602	11.1	13.3	83	0	3	60	30	15.3	12.8	15.7	13.21	0.0
13	2.0	1.9	2.3	593	12.1	13.3	91	0	2	62	27	16.3	12.3	14.3	10.60	0.0
14	2.2	2.0	2.5	582	10.3	13.3	77	1	3	69	36	17.7	15.8	13.7	10.81	0.0
15	1.9	1.5	2.4	612	11.9	13.2	90	0	1	62	33	16.3	13.9	13.1	10.40	0.0
16	3.0	2.4	4.0	607	11.1	13.2	84	0	3	62	37	16.7	16.2	16.1	12.17	0.0
17	2.4	1.7	3.4	585	10.1	13.2	77	2	2	72	40	18.1	16.8	13.4	9.88	0.0
18	2.3	1.9	2.7	592	10.6	13.2	80	0	1	62	45	16.4	15.9	12.6	9.08	0.0
19	2.9	2.1	4.0	591	11.4	13.2	86	0	1	62	46	15.2	15.6	14.7	10.64	0.0
20	2.1	1.7	2.6	592	11.9	13.1	91	0	0	60	44	14.6	14.1	11.4	9.19	0.0
21	2.4	1.6	3.5	575	11.5	13.1	88	1	2	68	46	16.3	15.8	13.7	11.01	0.0
22	2.7	2.4	3.1	618	11.2	13.0	86	0	2	69	40	16.0	14.2	12.8	10.05	0.0
23	2.8	2.1	3.8	606	10.3	13.0	79	0	4	68	41	16.9	16.5	13.4	9.77	0.0
24	2.0	1.5	2.8	569	10.1	13.0	78	2	2	68	29	14.6	11.5	13.3	10.07	0.0
25	1.3	0.9	1.9	562	10.0	13.0	77	1	2	62	38	15.2	14.0	11.3	8.79	0.0
26	2.2	1.8	2.9	581	10.7	13.0	82	0	2	64	39	15.9	13.6	12.2	9.98	0.0
27	3.1	2.5	3.8	580	11.4	12.9	88	0	3	73	44	17.4	16.4	13.1	9.76	0.0
28	2.9	2.3	3.8	546	10.6	12.9	82	0	1	70	46	17.7	17.4	12.6	9.76	0.0
29	2.7	2.4	3.0	561	11.4	12.9	88	0	4	62	40	15.8	15.2	13.3	8.87	0.0
30	2.0	1.8	2.3	581	10.9	12.8	85	0	3	67	25	14.3	9.7	12.5	9.65	0.0
31	2.1	1.8	2.4	559	10.8	12.8	84	1	3	62	31	14.2	11.8	14.7	10.52	0.0
Total	—	—	—	18315	340.0	409.6	2570	14	66	—	—	—	—	406.4	314.94	0.0
Mean	2.4	1.9	3.1	590.8	11.0	13.2	83	0.5	2.1	67	40	16.4	15.1	13.1	10.16	0.0

Maximum amount of rainfall in one day	——	mms.	on	——
Lowest value of relative humidity	24	%	on	13th & 30th.
Highest value of vapour pressure	21.3	mms.	on	14th.
Lowest value of vapour pressure	9.1	mms.	on	30th.

Table C 2.—WIND SPEED, (SOLAR + SKY) RADIATION, DURATIONOF BRIGHT SUNSHINE, RELATIVE HUMIDITY AND VAPOUR PRESSURE AT 2 METRES ABOVE GROUND, EVAPORATION AND RAINFALL

TAHRIR — AUGUST 1961

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 millimeters		Evaporation in millimeters		Amount of rainfall in millimeters
	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	4.5	3.5	6.1	660	12.6	13.6	93	5	7	68	41	16.6	15.7	15.7	—	0.0
2	4.3	3.7	5.1	619	12.0	13.6	88	6	7	73	43	17.6	16.4	14.9	—	0.0
3	3.8	3.7	4.1	544	8.7	13.6	64	0	0	74	51	18.6	19.0	10.2	—	0.0
4	3.7	3.0	4.7	624	12.6	13.6	93	4	8	68	40	16.1	15.1	13.5	—	0.0
5	3.3	2.7	4.2	639	12.9	13.5	96	0	7	64	31	14.4	11.7	13.7	—	0.0
6	3.5	2.5	4.9	630	12.5	13.5	93	3	6	70	36	16.2	13.6	13.6	—	0.0
7	3.9	3.2	4.9	612	12.5	13.5	93	2	9	73	39	17.1	14.7	14.9	—	0.0
8	4.0	3.4	4.8	566	12.0	13.4	90	3	7	73	41	17.9	15.7	12.5	—	0.0
9	3.8	2.9	5.1	602	12.3	13.4	92	0	7	72	46	17.8	16.6	13.5	—	0.0
10	3.8	3.1	4.7	588	10.8	13.4	81	0	8	74	43	17.8	16.2	13.6	—	0.0
11	3.4	2.9	4.0	575	12.1	13.4	90	2	8	68	42	17.5	16.8	12.3	—	0.0
12	3.8	3.5	4.1	569	11.4	13.4	85	2	8	69	31	17.2	14.6	14.6	—	0.0
13	3.0	2.3	4.0	601	12.3	13.3	92	1	6	72	24	16.6	11.4	13.1	—	0.0
14	3.3	2.7	4.1	587	11.3	13.3	85	6	8	66	32	16.7	14.6	15.3	—	0.0
15	3.3	2.9	3.9	586	12.2	13.3	92	3	9	76	42	19.0	17.1	12.7	—	0.0
16	4.4	3.7	5.4	602	12.3	13.3	93	3	9	68	33	17.0	14.5	17.7	—	0.0
17	4.1	3.4	5.1	586	11.2	13.2	85	4	8	76	34	18.3	15.2	14.2	—	0.0
18	3.4	3.1	3.8	616	12.0	13.2	91	0	5	66	44	16.8	15.9	10.7	—	0.0
19	4.2	3.3	5.5	560	12.4	13.2	94	0	4	62	42	14.8	13.5	14.2	—	0.0
20	3.6	3.3	3.9	590	12.1	13.2	92	0	0	65	37	15.1	13.6	12.7	—	0.0
21	3.6	2.5	5.2	561	12.1	13.1	92	6	8	72	35	15.5	12.1	13.8	—	0.0
22	3.7	3.2	4.3	608	12.0	13.1	92	2	8	78	39	17.5	15.3	12.3	—	0.0
23	4.7	3.6	6.3	586	12.1	13.1	92	4	8	70	34	16.2	13.7	15.4	—	0.0
24	3.9	3.3	4.7	583	11.0	13.0	85	5	7	68	34	15.5	13.1	17.0	—	0.0
25	3.0	2.8	3.3	574	11.7	13.0	90	0	7	72	35	16.5	12.7	12.3	—	0.0
26	3.4	2.6	4.6	564	11.6	13.0	89	6	9	70	47	17.5	17.6	11.5	—	0.0
27	4.3	3.5	5.6	559	11.9	13.0	92	6	9	77	48	17.9	16.8	12.7	—	0.0
28	4.2	3.4	5.5	592	11.8	12.9	92	6	12	82	41	18.3	16.0	12.4	—	0.0
29	3.8	3.5	4.3	566	10.9	12.9	84	6	10	79	25	16.2	10.2	13.9	—	0.0
30	3.6	3.0	4.3	540	10.8	12.8	84	6	10	74	26	15.2	10.1	13.8	—	0.0
31	3.9	3.2	5.0	569	11.6	12.8	91	4	8	65	29	13.4	10.9	17.3	—	0.0
Total	—	—	—	18258	365.7	410.6	2765	95	227	—	—	—	—	426.0	—	0.0
Mean	3.8	3.1	4.7	589.0	11.8	13.2	89	3.1	7.3	71	38	16.7	14.5	13.7	—	—

Maximum amount of rainfall in one day	——	mms.	on —
Lowest value of relative humidity	20	%	on 29 th
Highest value of vapour pressure	21.3	mms.	on 17 th
Lowest value of vapour pressure	8.7	mms.	on 29 th

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

GIZA — AUGUST 1961

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	63.4	20.2	35.5	19.5	35.7	20.5
1	58.3	21.6	35.2	19.7	33.8	22.6
2	55.4	22.4	34.2	20.1	32.8	23.0
5	45.1	26.4	33.2	21.2	31.3	23.6
10	39.3	30.0	31.6	23.4	30.9	25.1
20	35.0	32.3	29.6	25.0	28.7	26.6
50	33.6	32.8	27.2	26.3	27.8	27.3
100	31.6	31.1	25.7	25.4	26.5	25.9
200	29.0	28.0	23.7	23.0	24.7	23.9
300	26.7	25.9	—	—	—	—

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

TAHRIR — AUGUST 1961

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	57.1	19.8	—	—	—	—
1	54.6	20.0	—	—	—	—
2	52.6	20.6	—	—	—	—
5	47.3	22.5			—	—
10	42.3	25.8	—		—	—
20	36.1	29.5	—		—	—
50	32.7	31.2	—	—	—	—
100	31.2	30.7	—	—	—	—
200	29.2	28.6	—	—	—	—
300	28.0	27.2	—	—	—	—
600	25.05	24.55	—	—	—	—

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

GIZA — AUGUST 1961

10 Knots or Above ...	28 Days	30 Knots or Above	.0 Days
15 „ „ „ ..	4 „	35 „ „ „	.0 „
20 „ „ „ ..	0 „	40 „ „ „	.0 „
25 „ „ „ ..	0 „	The highest gust 22 knots on 1st.	

Printed at the General Organization
for Government Printing Offices, Cairo
Under-Secretary of State
ALY SULTAN ALY
Chairman of the Board of Directors

9685–1966–150

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 4 NUMBER 9

SEPTEMBER 1961

U.D.C. 551. 506.1 (62)

MINISTRY OF SCIENTIFIC RESEARCH—METEOROLOGICAL DEPARTMENT
CAIRO

PUBLICATIONS OF THE METEOROLOGICAL DEPARTMENT OF THE UNITED ARAB REPUBLIC — CAIRO

In fulfilment of its duties as the National Meteorological service for the U.A.R., the Meteorological Department issues several reports and publications on weather, climate and agrometeorology. The principal publications are described on this page.

Orders for publications should be adressed to :—

" The Director General, Meteorological Department, Kubri-el-Qubbeh — CAIRO ".

THE DAILY WEATHER REPORT

This report is printed daily in the Meteorological Department. It contains surface and upper air observations carried by the relevant networks of the Republic and made at the four main synoptic hours of observations (00, 06, 12 and 18 U.T.); as well as ship observations over the Eastern Mediterranean and north Red Sea made at the same times.

It also contains two surface synoptic charts at 00 and 12 U.T. and two upper air charts for the standard isobaric surfaces 700 & 500 mbs. at both 00 UT. and 12 U.T.

In compliance with resolution 8 (EC-XIII) of WMO, foreign upper air data included in Cairo Subregional Broadcast are also given in this report.

THE MONTHLY WEATHER REPORT

First issued in 1909, the Monthly Weather Report served to give a brief summary of the weather conditions that prevailed over Egypt during the month, with a table showing the mean values for few meteorological elements and their deviation from the normal values. From 1954 to 1957 this report was in a rapid state of development and extension resulting into a voluminous report on January 1958 giving surface, upper air, and agro-meteorological date for U.A.R.

THE AGRO - METEOROLOGICAL ABRIDGED MONTHLY REPORT

Gives a review of weather experienced in the agro-meteorological stations of the U.A.R. as well as monthly values of certain elements.

THE ANNUAL REPORT

This report gives annual values and statistics for the various meteorological elements, together with a summary of the weather conditions that prevailed during all months of the year.

CLIMATOLOGICAL NORMALS FOR EGYPT

The normals, long averages and statistical data are given for stations in Egypt from the date of opening of each station up to 1945. The new volume was issued in March 1968 which brings normals and mean values up till 1960.

CONTENTS

	Page
General Summary of Weather Conditions	1–4

Surface Data

TABLE A 1.—Monthly mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level	6,7
,, A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures and the Relative Humidity at Fixed Hours	8,9
,, A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity	10,11
,, A 4.—Maximum and Minimum Air Temperatures	12,13
,, A 5.—Rainfall and Snow Depth	14,15
,, A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum	16
,, A 7.—Soil Temperatures at Fixed Hours	17–19
,, A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena	20,21
,, A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges	22,23
,, A10.—Number of Occurrences of Concurrent Surface Wind speed and Direction Observed within Specified Ranges at the Synoptic Hours	24–46

Upper Air Data

TABLE B 1.—Upper Air Climatological Data	47–49
,, B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air	50,52
,, B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces	53–57

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir	58
TABLE C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields	59,60
,, C 2.—Wind Speed, (Solar + Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall	61,62
,, C 3.—Extreme Soil Temperatures at Different Depths in Different Fields	63
,, C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity	64

Note :—For explanatory notes on the tables, please refer to volume 4 number 1 (January 1961)

GENERAL SUMMARY OF WEATHER CONDITIONS

SEPTEMBER 1961

Generally dry. Mild daytime and rather cold nighttime. Scattered showers over the Northern Region. Occasional rising dust at El-Gazira district. Early morning mist or low clouds over Delta and Cairo areas

MAIN FEATURES

—Oscillatory subnormal temperatures. A short heat wave round the 10th.

—Subnormal relative humidity values in general.

—Almost rainless in the Southern Region, scattered light showers in the Northern Region.

—Prevalence of anticyclonic distribution over the surface map over Urasia, Mediterranean and North Africa coasts. Four consecutive elongations of the Monsoon Low over the Arabian Gulf towards East Mediterranean and Black Sea.

GENERAL DESCRIPTION OF WEATHER

The prevailing weather was mild in general and maximum temperature oscillated between 25°C & 29°C in the Mediterranean coastal districts of the Republic and between 33°C & 38°C in the far interior districts. A pronounced cooling was a characteristic feature of most nights and minimum temperature oscillated between 14°C & 20°C. As an exception a heat wave of short duration prevailed at the beginning of the second week and reached its peak round the 10th during which maximum temperature attained 38°C at Kamishly and 42°C at Aswan.

Over the Northern Region, light rain fell over scattered localities round the end of the third week and the beginning of the fourth week particularly over the Coastal and the Western Inland districts.

During many days of this month dusty weather was frequent over El-Gazira district of the Northern Region, while for several days early morning mist and low clouds developed over Delta and Cairo areas.

The monthly mean values of various meteorological elements for different districts and their deviations from their corresponding normals are given in the following table.

District	Atmospheric pressure (mb.) Corrected to M.S.L.			Air temperature (°C)						Relative humidity (%)			Total rainfall (mms)	
				Maximum (A)		Minimum (B)		(A + B)/2						
	Derivation of the mean values (a,c)	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Derivation of the mean values (a,c)	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	a	12.8	— 0.3	27.6	— 1.5	22.5	— 0.9	25·0	— 1.2	a	64	— 5	0.0	— 0.1
Lower Egypt	c	12.7	— 0.2	30.7	— 1.8	17.2	— 1.3	24.0	— 1.6	c	76	— 2	0.0	— 0.2
Cairo Area	a	12.0	— 0.1	30.7	— 1.6	18.2	— 1.2	24.4	— 1.4	a	56	— 6	0.0	— 0.1
Upper Egypt	a	10.6	+ 0.3	33.3	— 2.1	19.0	— 1.4	21.2	— 1.8	a	42	— 5	0.0	0·0
Western Desert	a	12.3	+ 0.1	32.7	— 2.5	17.3	— 2.7	25.0	— 2.6	a	35	— 8	0.0	0.0
Red Sea	a	8.4	— 0.1	31.1	— 0.9	23.1	— 0.8	27.1	— 0.8	a	50	— 8	0.0	0.0

a = the 24 hours mean. c = 4 main synoptic hours mean. e = 06 & 18 U.T. hours mean.

PRESSURE DISTRIBUTION

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

—The prevalence of the high pressure over Urasia, Mediterranean and North Africa coastal strip.

—The troughs of low pressure over the Arabian Gulf and the African Sahara respectively.

—The deep northern low pressure systems north latitude 60°N.

The upper feature, (700, 500 mb.) are more simplified viz.

—A planetary upper wave in far northern latitudes with two well defined closed upper centres, one over North Atlantic and the other over North Russia.

—A high pressure belt over Middle latitudes at the southern foot of the planetary wave.

Though the above surface and upper pressure systems prevailed most of this month, yet the atmospheric pressure over East Mediterranean in general and Egypt in particular was oscillatory. It showed four consecutive oscillations round the periods (7th — 11th), (13th — 17th), (19th — 22nd) & (25th — 27th). During these periods the west and north arms of the trough of low pressure over Arabian Gulf showed elongations through East Mediterranean and Black Sea vicinities respectively, as a result of the approach of the deep northern low pressure systems in the Black Sea vicinities during their eastward and north-east-ward known tracks through Europe and Russia. Variability in the barometric pressure was limited between 2 mbs and 5 mbs, it was generarlly above normal values in south of the Southern Region and below normal values in the northern parts.

SURFACE WIND

Light/moderate northerly winds prevailed during this month. Calms were frequent over scattered localities particularly in Upper Egypt & Western Desert districts, during the night and early morning intervals.

TEMPERATURE

Temperature was oscillatory and sub-normal. Its variability was limited between (1°C & 3°C) below normal over the Mediterranean coastal districts of the Republic and from 2°C to 5°C over interior districts.

Maximum temperature ranged in general between 25°C and 29°C over the Mediterranean coastal area, and from 33°C to 38°C over Upper Egypt. An excessive heat wave of short duration prevailed at the beginning of the 2nd week and reached its peak round the 10th during which the absolute maximum temperature was recorded as 42.2°C at Kom Ombo on the 9th.

Minimum temperature ranged in general between 14°C and 20°C over the whole country and was generally slightly below normal values with the exception of the Delta Coastal district and part of the Middle Egypt district where it was slightly above normal value. Variability in minimum temperature ranged between 2°C to 5°C in general. The absolute minimum temperature was recorded as 11.7°C at Siwa on the 30th.

PRECIPITATION

Apart from 0.2 mm of rain which fell over Mersa Matruh on the 11th, and 0.1 mm over Ghazza on the 24th, this month was almost rainless and no measurable amount of precipitation fell over the Southern Region.

MISCELLANEOUS WEATHER PHENOMENA

Mist patches developed at : Port Said on the 11th ; Tahrir on the (8th — 11th), 16th & 19th ; Abu Sueir on the 7th & (10th — 13th) ; Inshas on the 11th ; Cairo on the 2nd, 3rd, 4th, (9th — 12th), 16th, 18th & 23rd ; Mostafa Helmi on the (7th — 9th), 11th, 12th, 15th, 16th, 18th, 19th & 21st ; Almaza on the 4th, (7th — 10th), 12th, 13th, 14th, 16th, 17th, 18th & 22nd; Abbasiya on the 10th ; Shebin El Kom on 9th and at Imbaba on the 9th, 11th & 19th.

Fog patches developed at : Damietta on the 10th, Tahrir on the 8th & 9th and at Mostafa Helmi on the 7th & 19th.

Local rising sand or dust was reported at : Shebin El Kom on the 23rd ; Abu Sueir on the 21st ; Kabrit on the 22nd ; Mostafa Helmi on the 21st ; Tor on the 3rd & 4th and at Quseir on the 4th, 5th and 13th.

Cairo 16 / 11 / 1969

M. F. TAHA
Under Secretary of State
Director General
Meteorological Department

Table A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "Hp" AND TO MEAN SEA LEVEL

SEPTEMBER 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.)								Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.)							
			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
Mediterranean	Sallum	6.0	1013.9	—	1014.3	+ 0.9	1014.1	+ 1.3	1014.4	+ 1.2	5.2	1014.4	—	1014.8	+ 1.0	1014.6	+ 1.4	1014.9	+ 1.3
	Sidi Barrani	22.8	1010.9	+ 0.3	1011.4	+ 0.4	1011.1	+ 0.2	1011.7	+ 0.8	22.8	1013.5	+ 0.3	1014.0	+ 0.4	1013.7	+ 0.2	1014.3	+ 0.8
	Mersa Matruh (A)	30.0	1010.2	+ 0.4	1010.5	+ 0.5	1010.4	+ 0.6	1010.7	+ 0.6	30.0	1013.9	+ 0.4	1014.2	+ 0.5	1014.1	+ 0.6	1014.4	+ 0.6
	Dabaa	18.0	1010.7	—	1011.1	—	1011.0	—	1011.4	—	18.0	1012.7	—	1013.1	—	1013.0	—	1013.4	—
	Dekheila (A)	6.0	1012.3	—	1012.7	— 0.4	1012.5	— 0.4	1013.0	—	6.0	1012.9	—	1013.3	— 0.4	1013.1	— 0.4	1013.6	—
	Alexandria (A)	7.0	1011.7	+ 0.3	1012.2	+ 0.3	1011.9	+ 0.3	1012.4	+ 0.5	7.0	1012.5	+ 0.3	1013.0	+ 0.3	1012.7	+ 0.3	1013.2	+ 0.5
	Balteam	2.0	1012.0	—	1012.3	—	1011.7	—	1012.6	—	2.0	1012.2	—	1012.5	—	1011.9	—	1012.8	—
	Damietta	5.0	1011.3	—	1011.7	— 0.6	1011.1	— 0.4	1011.7	— 0.1	5.0	1011.7	—	1012.1	— 0.6	1011.5	— 0.4	1012.1	— 0.1
	Port Said (A)	7.4	1010.8	0.0	1011.4	0.0	1010.8	0.0	1011.4	— 0.3	7.4	1011.5	0.0	1012.1	0.0	1011.5	0.0	1012.1	— 0.3
	El Arish	10.7	1009.6	+ 0.3	1010.4	— 0.7	1009.6	— 0.6	1010.1	— 0.5	10.8	1011.5	+ 0.3	1012.3	— 0.7	1011.5	— 0.6	1012.0	— 0.5
	Ghazza	15.7	1009.5	—	1010.1	—	1009.3	—	1009.9	—	15.7	1011.3	—	1011.9	—	1011.1	—	1011.7	—
Lower Egypt	Mansoura	8.0	1012.2	—	1012.6	0.3	1011.3	— 0.3	1012.1	— 0.2	8.0	1012.6	—	1013.0	+ 0.3	1011.7	— 0.3	1012.5	— 0.2
	Damanhour	6.7	1012.2	—	1012.4	0.3	1012.0	+ 0.1	1012.1	— 0.2	6.7	1012.8	—	1013.0	— 0.4	1012.7	— 0.1	1012.8	— 0.2
	Gimmeiza	—	1011.8	—	1012.1	0.2	1011.2	+ 0.3	1011.5	+ 0.2	—	1012.8	—	1013.1	— 0.2	1012.2	+ 0.3	1012.5	+ 0.2
	Tanta	14.8	1010.5	—	1010.7	0.5	1009.7	— 0.4	1010.9	+ 0.2	14.8	1012.2	—	1012.4	— 0.5	1011.4	— 0.4	1012.6	+ 0.2
	Tahrir	16.0	1010.1	—	1010.8	—	1009.4	—	1010.4	—	16.0	1012.3	—	1013.0		1011.5	—	1012.6	—
	Shebin El Kom	13.1	1010.9	—	1011.4	0.0	1009.8	— 0.4	1011.2	+ 0.4	13.1	1012.4	—	1012.9	— 0.4	1011.3	— 0.5	1012.7	+ 0.3
	Zagazig	13.0	1010.8	—	1011.5	— 0.1	1010.2	— 0.1	1011.4	— 0.1	13.0	1012.4	—	1013.1	— 0.1	1011.8	— 0.1	1013.0	— 0.1
	Abu Sueir (A)	16.0	1010.7	—	1011.4	—	1009.6	—	1011.1	—	16.0	1012.6	—	1013.3	—	1011.4	—	1012.9	—
	Zaher (A)	23.5	1008.0	—	1008.4	—	1007.1	—	1007.8	—	23.5	1011.6	—	1012.0	—	1010.6	—	1011.3	—
	Wadi Fi Natrun	0.9	1013.4	—	1013.8	+ 1.3	1012.0	+ 1.4	1013.5	+ 1.7	0.9	1013.5	—	1013.9	+ 1.3	1012.1	+ 1.4	1013.6	+ 1.7
	Inshas	25.5	1008.4	—	1009.0	—	1007.5	—	1008.7	—	25.6	1011.4	—	1012.0	—	1010.5	—	1011.7	—
	Fayed (A)	35.0	1010.2	—	1010.9	—	1009.0	—	1010.4	—	—	1012.7	—	1013.4	—	1011.4	—	1012.9	—
	Kabrit (A)	4.9	1011.1	—	1011.7	—	1009.7	—	1011.0	—	4.9	1012.4	—	1013.0	—	1011.0	—	1012.4	—

Table A 1 (*contd.*).—**MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "Hp" AND TO MEAN SEA LEVEL.**

SEPTEMBER 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.)								Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.)							
			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
Cairo Area	Cairo (A)	74.5	1004.8	— 0.2	1005.4	— 0.1	1003.7	— 0.5	1004.8	— 0.2	74.5	1012.3	— 0.2	1012.9	— 0.2	1011.0	— 0.5	1012.2	— 0.2
	Mostafa Helmi (A)	164.0	993.2	—	993.9	—	992.5	—	993.3	—	164.0	1012.2	—	1012.8	—	1010.9	—	1012.0	—
	Almaza)A)	78.5	1003.0	— 0.1	1003.6	— 0.4	1001.9	— 0.4	1003.0	0.0	78.5	1012.1	— 0.1	1012.7	— 0.3	1010.9	— 0.2	1012.0	0.0
	Abbasiya (H.Q.)	26.4	1010.2	—	1010.7	—	1009.0	—	1010.0	—	26.4	1012.3	—	1012.7	—	1011.0	—	1012.1	—
	Imbaba (A)	19.0	1010.1	—	1010.8	—	1009.1	—	1009.7	—	19.0	1012.2	—	1012.9	—	1011.2	—	1011.8	—
	Giza	22.5	1009.7	—	1010.1	+ 0.1	1008.6	0.0	1009.4	0.0	22.5	1012.5	—	1012.9	+ 0.1	1011.3	0.0	1012.1	0.0
	Helwan	115.5	—	—	999.7	— 0.1	997.8	— 0.2	998.8	— 0.3	115.5	—	—	1013.2	+ 0.2	1010.8	— 0.3	1012.0	— 0.3
Upper Egypt	Fayoum	31.5	1009.6	—	1010.4	+ 0.8	1008.4	+ 0.8	1009.0	+ 0.8	31.5	1012.5	—	1013.3	+ 0.8	1011.2	+ 0.8	1011.9	+ 0.8
	Beni Suef	30.0	1008.4	—	1009.3	+ 0.6	1007.4	+ 0.6	1007.8	+ 0.4	30.0	1011.8	—	1012.7	+ 0.6	1010.8	+ 0.7	1011.2	+ 0.4
	Minya (A)	40.5	1006.3	— 0.2	1007.4	— 0.1	1005.9	— 0.3	1005.7	— 0.5	40.5	1011.1	— 0.1	1012.1	— 0.1	1010.4	— 0.3	1010.4	— 0.5
	Mangabad (A)	69.6	1003.1	+ 0.8	1004.7	+ 0.8	1002.7	+ 1.0	1003.0	+ 0.7	69.6	1011.3	+ 1.0	1012.9	+ 1.0	1010.2	+ 0.7	1011.0	+ 0.8
	Nag Hammadi	70.5	1000.3	—	1002.3	— 0.7	1000.7	— 0.1	1000.5	— 0.7	70.5	1008.4	—	1010.4	— 0.6	1008.2	— 0.4	1008.2	— 1.0
	Kena	74.2	1001.2	—	1002.7	+ 0.8	1000.9	+ 1.3	1000.8	+ 0.9	74.2	1009.7	—	1011.2	+ 0.9	1009.2	+ 1.4	1009.1	+ 0.8
	Luxor (A)	88.5	998.9	+ 0.1	1000.5	+ 0.2	998.3	+ 0.2	998.6	+ 0.1	88.5	1009.0	+ 0.1	1010.5	+ 0.2	1008.2	+ 0.3	1008.7	+ 0.2
	Kom Ombo	102.6	997.5	—	999.0	—	996.7	—	997.0	—	102.6	1009.5	—	1010.8	—	1008.1	—	1008.7	—
	Aswan (A)	193.5	986.5	—	987.8	+ 0.2	985.5	— 0.5	986.1	— 0.4	193.5	1008.7	—	1009.8	— 0.2	1006.8	— 0.5	1007.8	— 0.5
Western Desert	Siwa	—13.5	1016.0	+ 0.9	1017.1	+ 1.0	1015.5	+ 1.0	1014.9	+ 0.8	—13.5	1014.3	+ 0.9	1015.4	+ 1.0	1013.9	+ 1.0	1013.2	+ 0.7
	Bahariya	129.5	998.0	—	998.7	— 0.7	997.1	— 0.8	997.3	— 1.0	129.5	1012.9	—	1013.6	— 0.6	1011.5	— 0.7	1011.9	— 1.1
	Faratra	91.8	1003.9	—	1004.9	+ 1.2	1003.8	+ 1.3	1003.4	+ 0.9	91.8	1014.2	—	1015.2	+ 1.5	1013.7	+ 1.6	1013.5	+ 1.1
	Dakhla	111.5	998.0	—	999.3	+ 0.7	996.9	+ 0.5	997.1	— 0.1	111.5	1011.1	—	1012.2	+ 0.8	1009.4	+ 0.6	1009.8	0.0
	Kharga	72.8	1002.0	—	1003.3	— 0.3	1001.4	— 0.5	1001.7	— 0.6	72.8	1010.3	—	1011.5	— 0.4	1009.3	— 0.5	1009.9	— 0.4
Red Sea	Suez	11.0	1011.0	—	1011.6	+ 0.2	1010.0	— 0.2	1010.9	+ 0.6	11.0	1012.2	—	1012.8	+ 0.2	1011.2	— 0.2	1012.1	+ 0.6
	Tor	4.2	1007.4	—	1009.0	— 0.2	1007.5	— 0.5	1007.6	— 0.3	4.2	1007·8	—	1009.4	— 0.2	1007.9	— 0.5	1008.0	— 0.3
	Hurghada	2.8	1008.3	+ 1.1	1009.9	+ 1.1	1007.6	+ 0.5	1008.4	+ 1.0	2.8	1008.5	+ 1.1	1010.1	+ 1.1	1007.8	+ 0.5	1008.6	+ 1.0
	Quseir	11.3	1006.6	—	1008.1	— 0.2	1006.5	— 1.1	1007.0	— 0.5	11.3	1007·6	—	1009.1	— 0.2	1007.5	— 1.1	1008.0	— 0.5
	Abul Kizan	5.0	1007.5	—	1008.5	—	1007.3	—	1007.7	—	5.0	1009.0	—	1009.1	—	1007.9	—	1008.3	—

Table A 2.—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS

SEPTEMBER 1961

District	Station	Dry bulb temperature (°C)								Wet 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
Mediterranean	Sallum	20.7	—	22.0	— 3.2	26.0	— 2.3	23.3	1.9	17.8	—	18.3	— 2.5	19.3	— 3.0	18.7	— 2.7	74	—	68	+ 2	50	— 8	62	— 8
	Sidi Barrani	21.2	— 1.4	22.7	— 2.0	25.6	1.9	22.8	2.1	17.7	— 2.3	18.6	— 2.4	19.8	— 2.8	18.7	— 2.8	69	— 8	66	— 4	56	— 8	66	— 7
	Mersa Matruh (A)	20.2	— 1.2	23.0	— 1.9	26.2	1.4	22.9	1.7	17.0	2.1	18.5	— 2.9	19.8	— 2.6	18.4	— 3.0	71	— 8	63	— 9	53	— 9	62	—12
	Dabaa	20.6	—	23.8	— 1.6	26.6	— 1.3	22.5	2.2	17.4	—	18.9	— 2.4	19.9	— 2.3	18.5	— 2.3	71	—	61	— 7	51	— 8	66	— 3
	Dekheila (A)	22.4	—	24.0	— 1.6	26.7	0.0	23.3		18.7	—	19.3	— 3.3	20.4	3.2	19.2	—	69	—	62	—14	54	—12	66	—
	Alexandria (A)	22.0	— 0.7	25.4	— 0.7	27.7	— 1.0	23.3	— 1.3	18.6	— 2.0	20.1	— 2.0	21.2	— 1.5	19.3	— 2.1	71	—11	59	—10	54	— 4	67	— 7
	Balteam	22.0	—	25.2	—	27.6	—	23.5		19.2	—	20.7	—	21.5	—	20.1	—	76	—	65	—	56	—	72	—
	Damietta	20.8	—	23.8	— 2.3	28.6	— 0.8	23.2	1.7	18.6	—	20.4	— 2.0	21.8	— 0.8	19.9	— 2.1	80	—	72	0	53	— 9	73	— 4
	Port Said (A)	23.5	— 1.6	24.3	— 2.0	27.4	— 0.9	24.6	1.5	19.7	— 2.3	20.2	— 2.2	21.4	— 1.7	20.3	— 2.3	69	— 6	67	— 3	56	— 7	66	— 7
	El Arish	22.1	— 0.8	24.9	— 2.1	28.1	— 0.1	24.8	— 0.8	19.5	1.2	20.8	— 1.8	22.1	— 1.4	21.0	— 1.2	77	— 4	68	+ 1	57	— 9	69	— 4
	Ghazza	21.7	—	24.6	—	26.6	—	25.1	—	18.5	—	20.3	—	21.7	—	20.9	—	72	—	66	—	64	—	67	—
Lower Egypt	El Sirw	20.5	—	23.9	— 2.1	28.0	— 1.2	22.8	— 2.0	—	—	20.7	— 2.0	21.7	— 2.3	20.5	— 1.9	—	—	74	0	55	— 8	80	— 0
	Sakha	18.4	—	22.4	— 2.5	30.2	— 0.9	22.9	0.6	—	—	19.8	— 2.5	23.2	— 0.8	20.1	— 1.3	—	—	77	— 1	53	0	76	— 6
	Mansoura	17.5	—	23.3	— 1.5	29.8	— 1.8	21.8	— 2.6	16.4	—	20.2	— 1.4	20.9	— 1.9	18.9	— 2.3	89	—	74	0	41	— 3	75	+ 7
	Damanhour	19.8	—	23.2	— 1.7	29.0	— 1.0	22.6	— 1.4	—	—	20.3	— 1.6	21.1	— 1.7	19.6	— 1.8	—	—	76	0	46	— 6	74	— 5
	Gimmeiza	—	—	22.8	— 1.9	30.6	— 0.9	23.4	+ 0.3	—	—	20.8	— 1.3	23.3	— 0.5	21.1	— 0.1	—	—	83	+ 4	51	+ 1	81	— 3
	Tanta	18.6	—	22.7	— 1.5	30.1	— 1.5	22.5	— 1.1	16.6	—	19.2	— 2.5	20.9	— 2.1	18.5	— 2.3	81	—	70	—10	40	— 5	66	—11
	Tahrir	19.3	—	22.7	—	29.9	—	23.3	—	17.3	—	18.9	—	19.3	—	18.9	—	81	—	68	—	32	—	64	—
	Shebin El Kom	18.6	—	22.4	— 1.8	30.3	— 1.9	23.2	— 1.8	16.5	—	19.1	— 2.0	21.2	— 1.6	18.7	— 2.3	80	—	72	— 3	41	0	63	— 5
	Zagazig	19.7	—	22.2	— 3.0	30.0	— 1.7	23.8	— 0.5	—	—	19.3	— 3.2	20.9	— 2.8	19.6	— 1.7	—	—	75	— 3	40	— 9	66	—10
	Abu Suelr (A)	20.2	—	23.2	—	30.5	—	24.8	—	17.7	—	19.3	—	19.7	—	19.4		77	—	68	—	32	—	57	—
	Zaher (A)	19.9	—	22.4	—	29.9	—	24.2	—	18.0	—	19.3	—	20.1	—	19.0	—	82	—	73	—	36	—	59	—
	Wadi El Natrun	19.7	—	22.6	— 1.8	30.8	— 2.2	24.2	— 3.1	16.8	—	18.4	— 2.8	19.0	— 3.4	18.4	— 3.3	73	—	65	— 9	28	— 9	54	— 6
	Inshas	19.2	—	22.2	—	29.0	—	23.7	—	16.7	—	18.3	—	19.6	—	18.5	—	76	—	67	—	37	—	59	—
	Fayed (A)	21.1	—	24.0	—	31.1	—	25.4	—	18.0	—	19.4	—	20.6	—	19.8	—	73	—	63	—	35	—	57	—
	Kabrit (A)	21.3	—	22.8	—	30.4	—	25.3	—	18.3	—	19.0	—	19.9	—	19.2	—	74	—	68	—	34	—	54	—
Cairo Area	Cairo (A)	20.3	— 1.6	22.3	— 1.3	29.8	— 1.6	25.3	— 1.4	18.0	— 1.8	18.9	— 1.5	19.5	— 1.9	18.7	— 1.9	79	— 2	71	— 3	34	— 3	50	— 6
	Mostafa Helmi (A)	19.0	—	21.2	—	29.3	—	23.8	—	16.9	—	17.9	—	18.7	—	18.1	—	80	—	71	—	31	—	55	—
	Almaza (A)	19.8	— 2.5	21.7	— 1.7	29.9	— 1.4	24.8	— 2.2	17.5	— 2.7	18.5	— 2.0	19.9	— 2.1	18.5	— 2.5	79	— 3	72	— 4	35	— 6	52	— 4
	Abbasiya (HQ)	20.6	—	23.8	—	30.7	—	25.1	—	18.3	—	19.8	—	20.2	—	19.0	—	79	—	67	—	34	—	55	—
	Imbaba (A)	19.7	—	22.9	—	30.5	—	24.9	—	17.2	—	19.3	—	20.4	—	19.0	—	77	—	69	—	36	—	55	—
	Giza	19.4	—	22.5	— 0.9	29.8	— 1.7	25.0	— 0.5	17.6	—	19.2	— 1.7	19.4	— 2.7	18.5	— 2.2	83	—	72	— 7	33	— 8	51	—12
	Helwan	—	—	22.0	— 1.5	29.7	— 1.8	25.6	— 1.6	—	—	18.5	— 1.2	18.8	— 1.4	18.1	— 1.8	—	—	70	+ 1	31	0	45	— 2

Table A 2. (*Contd.*)—**MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.**

SEPTEMBER 1961

District	Station	Dry bulb temperature (°C)								Wet 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
Upper Egypt	Fayoum	21.0	—	23.3	— 0.9	31.2	1.0	25.9	— 0.7	17.7	—	19.3	— 1.3	19.4	— 1.7	18.4	— 1.7	71	—	67	— 4	28	— 5	45	— 8
	Beni Suef	19.8	—	21.7	— 3.6	31.2	3.1	21.6	2.1	16.3	—	17.9	— 3.2	20.1	— 1.8	18.0	— 2.1	68	—	67	0	32	+ 2	49	— 3
	Seds	20.0	—	23.0	— 1.3	29.1	— 2.9	23.4	1.8	—	—	19.9	— 1.3	21.4	— 0.8	18.7	— 1.3	—	—	74	— 1	47	+ 8	62	+ 2
	Minya (A)	20.0	1.2	22.0	— 1.7	30.9	— 2.1	23.3	1.8	16.3	1.7	18.4	— 1.8	19.6	— 2.2	17.8	— 1.6	66	— 6	69	— 3	30	— 4	56	— 1
	Mallawi	17.5	—	20.5	—	30.0		21.7	—	—	—	18.8	—	21.8		18.6	—	—	—	84	—	46	—	73	—
	Mangabad (A)	21.8	— 1.7	22.3	— 2.0	31.3	— 3.1	26.1	2.4	15.4	— 2.0	17.2	— 2.0	19.0	— 1.4	17.6	— 1.9	47	— 5	57	— 3	26	+ 3	40	+ 5
	Shandaweel	22.4	—	24.6	— 1.5	31.3	— 1.9	26.0	— 0.8	—	—	20.2	— 1.0	22.3	— 0.8	20.5	— 0.9	—	—	65	+ 2	43	+ 3	59	— 1
	Nag Hammadi	21.7	—	23.0	— 3.7	32.7	— 1.4	26.8	— 0.3	—	—	19.2	— 1.8	22.3	— 0.4	20.7	+ 0.1	—	—	68	+10	37	+ 3	56	+ 3
	Kena	23.8	—	25.7	— 1.8	34.1	— 2.7	28.1	— 1.9	—	—	19.7	— 1.0	23.5	+ 0.3	20.2	— 0.2	—	—	55	+ 3	38	+10	45	+ 7
	Luxor (A)	23.2	— 1.5	27.0	— 1.6	34.6	— 2.2	28.3	2.3	16.1	0.6	19.0	— 0.7	20.3	— 0.9	18.8	— 0.9	44	+ 4	43	+ 3	21	+ 1	36	+ 4
	Kom Ombo	23.1	—	26.3	—	35.9		28.5	—	15.8	—	18.1	—	19.9	—	17.9	—	42	—	42	—	17	—	30	—
	Aswan (A)	24.0	—	26.5	— 2.3	35.4	— 2.9	30.1	3.9	14.6	—	16.2	— 2.9	18.5	— 3.6	16.7	— 3.5	30	—	29	— 7	13	— 6	19	— 4
Western Desert	Siwa	20.7	— 2.5	20.8	— 2.5	30.1	— 3.6	26.4	— 2.9	15.8	— 2.1	16.9	— 2.1	18.2	— 2.5	16.2	— 2.8	57	0	66	+ 1	31	+ 5	30	— 3
	Bahariya	20.9	—	21.8	— 2.0	31.4	— 1.2	26.8	— 0.4	16.2	—	17.5	— 2.4	19.4	— 2.4	17.1	— 2.5	59	—	64	+ 3	27	— 9	33	—16
	Farafra	20.1	—	21.1	— 3.8	31.0	— 3.0	25.5	— 2.3	12.0	—	13.6	— 5.4	16.5	— 4.8	13.9	— 4.4	32	—	40	—15	15	—13	20	—16
	Dakhla	19.8	—	22.9	— 3.4	32.0	— 2.4	25.8	3.8	12.8	—	15.5	— 2.5	17.7	— 2.5	15.4	— 2.6	39	—	41	0	17	— 5	28	+ 1
	Kharga	21.5	—	25.4	— 1.5	34.3	— 1.3	26.7	— 3.7	15.1	—	18.1	— 1.7	20.9	— 1.4	17.4	— 2.1	47	—	47	— 1	25	— 3	35	+ 3
Red Sea	Suez	23.7	—	23.2	— 1.6	30.5	— 1.7	26.3	— 0.7	—	—	20.5	— 0.8	21.5	— 0.8	21.2	— 0.2	—	—	78	+ 6	42	+ 3	61	+ 2
	Tor	25.4	—	26.5	— 0.8	28.9	— 1.0	28.2	— 0.9	19.5	—	20.6	— 2.4	22.0	— 2.6	20.4	— 3.2	55	—	57	—11	53	—10	46	—15
	Hurghada	24.0	— 1.6	26.9	— 0.2	30.3	+ 0.8	27.1	— 1.1	16.9	— 2.8	19.6	— 2.3	21.6	— 2.8	19.2	— 2.6	45	—11	47	—15	43	—21	44	—11
	Quseir	25.4	—	28.6	— 0.9	30.1	— 0.7	27.2	— 1.4	18.0	—	20.7	— 1.6	23.0	— 1.9	21.1	— 1.5	45	—	46	— 5	52	— 8	56	— 2
	Abul Kizan	—	—	30.1	— 0.2	29.3	— 1.5	28.7	— 0.4	—	—	26.0	— 0.5	25.9	— 1.1	25.6	— 0.8	—	—	70	— 3	75	+ 2	77	— 3

Table A 3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND RELATIVE HUMIDITY

SEPTEMBER 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity%		
		Derivation of the mean values a, b, c, d	Station Pressure Corrected to Hp		M.S.L. Pressure		Maximum (A)		Minimum (B)		(A + B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d,e	Mean	Dev, from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a, b, c, d.	Mean	Dev. from normal	Deriv. of the mean values a, b, c, d.	Mean	Dev, from normal			
MEDITERRANEAN	Sallum	a	1014.2	— 0.9	1014.7	— 1.0	27.0	— 2.8	19.1	— 0.7	23.0	a	23.0	— 1.6	a	18.5	— 2.1	a	63	— 5
	Sidi Barrani	a	1011.3	— 0.2	1013.9	— 0.2	26.0	— 2.3	19.3	— 1.2	22.6	a	23.0	— 1.5	a	18.6	— 2.2	a	64	— 6
	Mersa Matruh (A)	a	1010.5	— 0.1	1014.2	— 0.1	27.4	— 1.1	18.5	— 1.5	23.0	a	22.9	— 1.7	a	18.3	— 2.7	a	62	— 9
	Dabaa	a	1011.0	—	1013.0	—	26.1	— 2.9	19.1	— 0.8	22.6	a	23.1	— 1.4	a	18.6	— 1.9	a	63	— 5
	Dekheila (A)	a	1012.7	—	1013.3	—	27.1	— 0.7	21.6	— 0.8	24.4	a	24.1	—	a	19.3	—	a	62	—
	Alexandria (A)	a	1012.1	— 0.2	1012.9	— 0.2	28.6	— 0.8	20.8	— 0.4	24.7	a	24.4	— 1.0	a	19.7	— 1.6	a	63	— 5
	Balteam	a	1012.1	—	1012.3	—	28.8	—	20.7	—	24.8	a	24.4	—	a	20.3	—	a	67	—
	Damietta	a	1011.4	— 0.7	1011.8	— 0.7	29.3	— 0.6	18.9	— 1.4	24.1	a	23.8	— 1.0	a	20.0	— 1.6	a	69	— 5
	Port Said (A)	a	1011.1	— 0.4	1011.8	— 0.4	28.0	— 1.2	22.5	— 1.5	25.2	a	24.9	— 1.3	a	20.3	— 2.0	a	64	— 6
	El Arish	a	1009.9	— 0.5	1011.8	— 0.5	28.7	— 1.2	20.2	— 0.1	24.4	a	24.8	— 0.4	a	20.7	— 0.6	a	68	— 2
	Ghazza	a	1009.7	—	1011.5	—	27.5	—	19.5	—	23.5	a	24.2	—	a	20.2	—	a	68	—
LOWER EGYPT	El Sirw	—	—	—	—	—	29.4	— 1.0	18.1	— 0.9	23.8	c	23.8	— 0.9	c	21.0	— 0.4	c	77	— 4
	Sakha	—	—	—	—	—	30.7	— 1.3	17.2	— 0.5	24.0	c	23.5	— 0.8	c	20.6	— 1.3	c	76	— 4
	Mansoura	a	1012.1	— 0.4	1012.5	— 0.4	30.5	— 2.3	15.6	— 3.9	23.0	a	22.8	— 2.3	a	18.7	— 1.7	a	66	— 8
	Damanhour	c	1012.2	— 0.5	1012.8	— 0.6	29.3	— 1.6	17.7	— 1.5	23.8	c	23.6	— 0.9	c	20.6	— 1.2	c	75	— 3
	Gimmeiza	c	1011.6	— 0.2	1012.6	— 0.2	31.1	— 1.5	16.6	— 0.7	23.8	c	23.4	— 0.8	c	21.3	— 0.7	c	82	— 0
	Tanta	a	1010.4	— 0.2	1012.1	— 0.3	30.3	— 1.7	17.4	0.0	24.1	a	23.4	— 0.8	a	18.6	— 2.9	a	61	17
	Tahrir	a	1010.1	—	1012.3	—	31.0	— 1.5	17.8	— 0.9	24.4	a	23.7	—	a	18.4	—	a	58	—
	Shebin El Kom	a	1010.8	0.0	1012.3	0.0	31.0	— 2.1	17.1	— 1.8	24.0	a	23.6	— 1.4	a	18.7	— 2.8	a	61	— 11
	Zagazig	c	1011.0	— 0.1	1012.6	— 0.1	30.8	— 1.9	18.0	— 0.3	24.4	c	23.9	— 1.0	c	20.2	— 1.8	c	70	— 7
	Abu Sueir (A)	a	1010.7	—	1012.5	—	32.2	—	18.4	—	25.3	a	24.6	—	a	18.8	—	a	55	—
	Zaher (A)	a	1007.8	—	1011.3	—	30.7	—	18.3	—	24.5	a	24.1	—	a	19.0	—	a	60	—
	Wadi El Natrun	a	1013.1	— 1.5	1013.2	— 1.5	31.6	— 2.7	16.8	— 2.5	24.2	a	24.3	— 1.7	a	18.0	— 3.6	a	51	—51
	Inshas	a	1008.3	—	1011.3	—	30.5	—	17.8	—	24.2	a	23.7	—	a	18.4	—	a	58	—
	Fayed (A)	a	1010.0	—	1012.5	—	31.8	—	19.3	—	25.6	a	25.3	—	a	19.3	—	a	55	—
	Kabrit (A)	a	1010.8	—	1012.1	—	31.1	—	19.4	—	25.2	a	25.0	—	a	19.1	—	a	55	—

a = the 24 hours mean, b = 8 synoptic hours mean. c = 4 main synoptic hours mean.
d = 06, 12 & 18 U.T. hours mean. e = 06 & 18 U.T. hours mean.

Table A 3. *(cont.)*—**MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY**

SEPTEMBER 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)												Relative humidity%		
		Derivation of the mean values a, b, c, d	Station Pressure corrected to Hp		M.S.L. Pressure		Maximum (A)		Minimum (B)		(A+B)/2	Dry bulb			Wet bulb				Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values, a, b, c, d,	Mean	Dev. from normal	Deriv. of the mean values a, b, c, d,	Mean	Dev. from normal				
Cairo Area	Cairo (A)	a	1004.6	— 0.2	1012.0	— 0.2	30.8	— 1.6	18.8	— 1.1	24.8	a	24.4	— 1.4	a	18.7	— 1.5	a	55	— 3
	Mostafa Hehni (A)	a	993.0	—	1012.0	—	29.8	—	17.4	—	23.6	a	23.2	—	a	17.8	—	a	56	—
	Almaza (A)	a	1002.9	— 0.2	1011.9	— 0.3	30.7	— 1.6	18.1	— 2.1	24.4	a	24.0	— 2.1	a	18.5	— 2.1	a	57	— 2
	Abbasiya (H.Q.)	a	1010.0	—	1012.0	—	31.8	—	18.3	—	25.0	a	24.9	—	a	19.2	—	a	56	—
	Imbaba A)	a	1009.9	—	1012.0	—	31.4	—	17.5	—	24.4	a	24.4	—	a	18.8	—	a	56	—
	Giza	a	1009.4	+ 0.1	1012.2	+ 0.1	30.9	— 1.1	17.3	— 0.5	24.1	a	24.0	— 0.6	a	18.5	— 2.5	a	57	—13
	Helwan	a	998.8	+ 0.1	1012.0	0.0	30.4	— 2.0	18.8	— 1.3	24.6	c	24.0	— 1.7	c	18.7	— 1.0	c	58	0
Upper Egypt	Fayoum	a	1009.3	+ 0.9	1012.3	+ 1.0	32.1	— 1.2	18.7	— 0.7	25.4	a	25.3	— 0.3	a	18.6	— 1.7	a	50	—12
	Beni Suef	a	1008.2	+ 0.6	1011.6	+ 0.6	32.0	— 2.5	17.3	— 1.1	24.6	a	24.4	— 1.8	a	18.0	— 2.9	a	50	—10
	Seds	—	—	—	—	—	31.9	— 1.7	16.7	— 0.9	24.3	c	23.9	— 0.8	c	20.0	— 0.6	c	68	+1
	Minya (A)	a	1006.4	— 0.3	1011.0	— 0.4	31.6	— 1.8	17.4	— 1.2	24.5	a	24.1	— 1.7	a	17.9	— 2.0	a	51	— 5
	Mallawi	—	—	—	—	—	31.3	—	15.7	—	23.5	c	22.4	—	c	19.9	—	c	78	—
	Mangabad (A)	a	1003.4	+ 0.6	1011.4	+ 0.7	32.1	— 3.2	18.8	— 1.4	25.4	a	25.5	— 2.2	a	17.2	— 1.7	a	40	+1
	Shandaweel	—	—	—	—	—	32.7	— 1.5	19.6	— 0.8	26.2	c	26.1	— 1.0	c	21.1	— 0.9	c	62	0
	Nag Hammadi	c	1001.0	— 0.7	1008.8	— 0.8	34.0	— 1.3	18.9	— 0.9	26.4	c	26.0	— 0.9	c	21.0	+ 0.1	c	62	+6
	Kena	c	1001.4	+ 0.9	1009.8	+ 0.9	35.4	— 2.9	21.4	— 1.0	28.4	c	27.9	— 1.3	c	20.8	— 0.2	c	50	+5
	Luxor (A)	a	999.1	— 0.4	1009.1	+ 0.3	35.9	— 2.4	20.0	— 1.5	28.0	a	28.0	— 2.0	a	18.3	— 1.1	a	35	+3
	Kom Ombo	a	997.5	—	1009.2	—	36.8	—	18.5	—	27.6	a	28.2	—	a	17.6	—	a	30	—
	Aswan (A)	a	986.5	— 0.3	1008.3	— 0.4	36.7	— 3.1	20.1	— 4.0	28.4	a	28.8	— 2.4	a	16.4	— 3.6	a	22	— 9
Western Desert	Siwa	a	1015.9	+ 0.1	1014.2	0.0	32.0	— 3.0	16.7	— 2.9	24.4	a	24.5	— 1.9	a	16.7	— 1.5	a	41	— 1
	Bahariya	a	997.8	— 0.7	1012.5	— 0.7	32.1	— 1.9	17.5	— 1.1	24.8	a	25.2	— 0.4	a	17.4	— 2.4	a	42	—14
	Farafra	a	1004.0	+ 1.1	1014.1	+ 1.3	31.7	— 3.3	16.7	— 2.4	24.2	a	24.5	— 1.9	a	14.0	— 3.6	a	24	—14
	Dakhla	a	997.8	+ 0.4	1010.6	+ 0.5	32.7	— 3.0	16.8	— 4.4	24.8	a	25.1	— 2.8	a	15.3	— 2.9	a	30	— 5
	Kharga	a	1002.1	— 0.5	1010.2	— 0.5	35.0	— 1.5	18.8	— 2.8	26.9	a	26.9	— 1.7	a	17.7	— 2.1	a	36	— 4
Red Sea	Suez	c	1010.9	+ 0.3	1012.1	+ 0.3	31.9	— 1.7	19.2	— 1.9	25.6	c	25.9	— 0.5	c	22.0	0.0	c	70	+4
	Tor	a	1007.9	— 0.5	1008.3	— 0.5	30.7	— 1.3	23.0	+ 0.3	26.8	a	27.1	— 0.1	a	20.6	— 1.8	a	53	—11
	Hurghada	a	1008.6	+ 1.0	1008.8	+ 1.0	30.9	+ 0.5	21.9	— 1.3	26.4	a	26.9	— 0.9	a	19.3	— 2.2	a	45	—10
	Quseir	a	1007.0	— 0.8	1008.0	— 0.8	30.8	— 1.4	23.8	— 1.6	27.3	a	27.6	— 1.0	a	20.8	— 1.2	a	52	— 2
	Abul Kizan	c	1007.8	—	1008.4	—	31.2	— 0.6	27.6	+ 0.5	29.4	c	28.9	— 0.4	c	25.4	— 0.6	e	74	— 2

a = the 24 hours mean. b = 8 synoptic hours mean. c — 4 main synoptic hours mean. d = 06. 12 & 18 U.T. hours mean. e = 06 & 18 U.T. hours mean.

TABLE A 4 MAXIMUM AND MINIMUM AIR TEMPERATURES

SEPTEMBER 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
Mediterranean	Sallum	33.7	10	21.5	26	23	3	0	0	0	22.9	10	15.8	28	0	0	0	0
	Sidi Barrani	27.8	9	23.9	24	23	0	0	0	0	23.3	9	13.5	29	0	0	0	0
	Mersa Matruh (A)	29.2	9	24.7	24	29	0	0	0	0	22.0	2	14.5	29	0	0	0	0
	Dabaa	29.6	10	24.7	24	28	0	0	0	0	22.5	9	13.7	28	0	0	0	0
	Dekheila (A)	29.4	10	24.7	24	29	0	0	0	0	23.3	11	17.4	20	0	0	0	0
	Alexandria (A)	31.2	10	25.9	27	30	1	0	0	0	23.2	11	16.0	30	0	0	0	0
	Balteam	31.8	9, 11	25.1	11	30	8	0	0	0	24.4	11	17.6	29	0	0	0	0
	Damietta	32.0	2	26.8	27, 28	30	11	0	0	0	22.2	4	16.4	28	0	0	0	0
	Port Said (A)	31.6	11	25.9	29	30	1	0	0	0	24.7	4	19.5	28	0	0	0	0
	El Arish	31.4	11	26.6	29	30	5	0	0	0	22.0	4, 12	17.2	30	0	0	0	0
	Ghazza	29.0	4	25.4	30	30	0	0	0	0	24.7	12	16.0	30	0	0	0	0
Lower Egypt	El Siw	34.5	11	26.2	27	30	8	6	0	0	20.8	3	15.5	24, 28	0	0	0	0
	Sakha	36.0	11	26.5	29	30	19	1	0	0	20.0	11	11.8	28	0	0	0	0
	Marsoura	34.5	9	27.5	28	30	20	0	0	0	18.3	10	12.3	28	0	0	0	0
	Damanhour	33.3	9	26.8	24	30	13	0	0	0	19.4	11	14.9	28	0	0	0	0
	Gimmeiza	36.0	9, 11	25.0	10	30	20	2	0	0	20.0	10, 11	14.0	25.28.30	0	0	0	0
	Tanta	34.2	9	27.6	27	30	20	2	0	0	21.2	10	13.7	28	0	0	0	0
	Tahrir	35.6	9	27.7	24.27.29	30	21	2	0	0	21.7	10	14.6	30	0	0	0	0
	Shebin El Kom	35.9	9	27.9	24, 27	30	21	2	0	0	20.8	10	14.2	30	0	0	0	0
	Zagazig	35.6	11	28.0	28	30	21	2	0	0	21.3	10	15.0	28	0	0	0	0
	Abu Sueir (A)	37.4	9	29.0	26	30	25	4	0	0	22.4	10	14.9	28	0	0	0	0
	Zaher (A)	36.1	11	27.5	28	30	20	1	0	0	22.3	10	15.4	25, 30	0	0	0	0
	Wadi EL Natrun	36.7	9	28.0	24	30	21	3	0	0	21.9	10	13.5	28	0	0	0	0
	Inshas	36.3	11	27.2	27	30	19	1	0	0	22.0	10	14.2	28	0	0	0	0
	Fayed (A)	38.0	11	28.5	28, 29	30	22	4	0	0	22.2	11	16.4	25	0	0	0	0
	Kabrit (A)	36.6	11	28.0	29	30	22	1	0	0	22.4	12	16.7	29	0	0	0	0
Cairo Area	Cairo (A)	35.9	11	27.3	24	30	20	1	0	0	21.8	10	16.0	27, 29	0	0	0	0
	Mostafa Helmi (A)	36.3	11	26.2	24	30	14	2	0	0	21.3	10	14.5	25, 30	0	0	0	0
	Almaza (A)	35.0	11	27.4	13	30	18	0	0	0	21.0	3, 10	15.1	28	0	0	0	0
	Abbasiya (H.Q)	37.5	11	29.0	28	30	23	3	0	0	22.0	10	15.8	29	0	0	0	0
	Imbaba (A)	37.2	11	28.4	28, 29	30	21	2	0	0	21.9	10	14.4	28	0	0	0	0
	Giza	36.9	11	27.8	28	30	19	1	0	0	21.9	10	13.7	25	0	0	0	0
	Helwan	35.9	11	27.1	24	30	16	2	0	0	22.1	3	14.4	28	0	0	0	0

TABLE A 4 (*contd.*)- MAXIMUM AND MINIMUM AIR TEMPERATURES

SEPTEMBER 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
Upper Egypt	Fayoum	37.6	11	28.8	24, 28	30	22	3	0	0	21.5	12	15.4	25, 28	0	0	0	0
	Beni Suef	38.0	11	28.5	27	30	22	3	0	0	21.4	10	13.8	28	0	0	0	0
	Seds	36.7	11	28.0	27, 28, 29	30	25	2	0	0	19.7	10, 16	13.2	28	0	0	0	0
	Minya (A)	36.7	11	28.4	28	30	21	2	0	0	21.0	4	13.5	28	0	0	0	0
	Mallawi	36.2	11	27.0	24	30	18	1	0	0	18.4	8	12.5	30	0	0	0	0
	Mangabad (A	39.3	11	27.9	24	30	23	4	0	0	21.2	1	14.8	29	0	0	0	0
	Shandaweel	37.4	11	28.5	30	30	25	4	0	0	23.0	18	17.5	2, 19	0	0	0	0
	Nag Hammadi	39.0	10	30.4	24	30	30	8	0	0	21.5	12	16.5	19	0	0	0	0
	Kena	40.0	10	32.4	24, 28	30	30	18	0	0	23.8	8	18.7	30	0	0	0	0
	Luxor (A)	41.2	10	31.5	24	30	30	18	2	0	23.5	9	17.0	30	0	0	0	0
	Kom Ombo	42.2	9	32.9	24	30	30	23	5	0	21.4	11	14.4	27	0	0	0	0
	Aswan (A)	41.8	10	32.9	24	30	30	22	3	0	23.6	8	15.8	30	0	0	0	0
Western Desert	Siwa	39.4	11	28.4	27	30	22	4	0	0	20.4	21	11.7	30	0	0	0	0
	Bahariya	39.5	11	28.0	26, 27	30	22	3	0	0	21.0	10	13.0	28, 30	0	0	0	0
	Farafra	38.6	11	27.3	25, 26	30	22	4	0	0	21.2	11	13.5	25	0	0	0	0
	Dakhla	38.4	11	28.6	24	30	24	7	0	0	20.4	2	12.2	19	0	0	0	0
	Kharga	40.4	12	30.3	27	30	30	15	2	0	24.0	12	15.2	29	0	0	0	0
Red Sea	Suez	37.7	11	28.1	29	30	22	3	0	0	22.3	3	15.6	29	0	0	0	0
	Tor	36.8	12	27.0	28	30	19	3	0	0	26.4	3, 11	19.8	19	0	0	0	0
	Hurghada	33.5	12	28.0	29	30	22	0	0	0	24.4	8	19.1	30	0	0	0	0
	Quseir	33.6	11	27.5	28	20	22	0	0	0	27.0	12	21.3	25	0	0	0	0
	Abul Kizan	33.3	10	29.3	28, 30	30	25	0	0	0	29.5	1	26.0	29, 30	0	0	0	0

TABLE A 5. — RAINFALL AND SNOW DEPTH

SEPTEMBER 1961

District	Station	Rainfall (millimetres)											Sonw depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	<0.1	>0.1	>1.0	>5.0	>10	>25	>50		
Mediterranean	Sallum	tr	−0.6	tr	3	1	0	0	0	0	0	0	0	—
	Sidi Barrani	0.0	−0.3	0.0	—	0	0	0	0	0	0	0	0	—
	Mersa Matruh (A)	0.2	−0.4	0.2	11	1	1	0	0	0	0	0	0	—
	Dabaa	tr	−0.1	tr	4	1	0	0	0	0	0	0	0	—
	Dekheila (A)	0.0	−tr	0.0	—	0	0	0	0	0	0	0	0	—
	Alexandria (A)	0.0	−0.6	0.0	—	0	0	0	0	0	0	0	0	—
	Balteam	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Damietta	0.0	−0.1	0.0	—	0	0	0	0	0	0	0	0	—
	Port Said (A)	0.0	−0.2	0.0	—	0	0	0	0	0	0	0	0	—
	El Arish	tr	−0.4	tr	23	1	0	0	0	0	0	0	0	—
	Ghazza	0.1	−0.1	0.1	24	3	1	0	0	0	0	0	0	—
	Ras El Hikma	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Fuka	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Hammam	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Borg El Arab	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Amria	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Mex	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Tolombat El Tafia	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Kom El Tarfaia	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Rosetta L.H.	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Borollos LH	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Dameitta L.H.	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
Lower Egypt	El Sirw	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Sakha	0.0	0.1	0.0	—	0	0	0	0	0	0	0	0	—
	Mansoura	0.0	−0.2	0.0	—	0	0	0	0	0	0	0	0	—
	Damanhour	tr	0.2	tr	3,14	2	0	0	0	0	0	0	0	—
	Gimmeiza	0.0	−0.1	0.0	—	0	0	0	0	0	0	0	0	—
	Tanta	0.0	−0.2	0.0	—	0	0	0	0	0	0	0	0	—
	Tahrir	0.0	−tr	0.0	—	0	0	0	0	0	0	0	0	—
	Shebin El Kom	0.0	0.1	0.0	—	0	0	0	0	0	0	0	0	—
	Zagazig	0.0	−0.2	0.0	—	0	0	0	0	0	0	0	0	—
	Abu Sueir (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Zaher (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Wadi El Natrun	0.0	−0.7	0.0		0	0	0	0	0	0	0	0	—
	Inshas (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Fayed (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Kabrit (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Tolombat El Boscili	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Kafr El Dawar	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Kafr El Sheikh	0.0	−1.0	0.0	—	0	0	0	0	0	0	0	0	—
	Kafr El Zayat	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Faqus	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Cairo (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Mostafa Helmi (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Almaza (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Abbasiya (H.Q)	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Imbaba (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Giza	0.0	−0.2	0.0	—	0	0	0	0	0	0	0	0	—
	Helwan	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—

TABLE A 5. — (*Contd.*) RAINFALL AND SNOW DEPTH

SEPTEMBER 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	<0.1	≥0.1	≥1.0	≥5.0	≥10	≥25	≥50		
Upper Egypt	Fayoum	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Beni Suef	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Seda	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Minya (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Mallawi	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Mangabad (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Shandaweel	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Nag Hammadi	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Kena	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Luxor (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Kom Ombo	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Aswan (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
Western Desert	Siwa	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Bahariya	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Farafra	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Dakhla	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Kharga	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
Red Sea	Suez	0.0	0.1	0.0	—	0	0	0	0	0	0	0	0	—
	Tor	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Hurghada	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Quseir	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Abul Kizan	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—

Table A 6.—BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT & BLACK BULB TEMPERATURES AND GRASS MINIMUM

September 1961

District	Station	Duration of bright sunshine (hours)			Mean sky cover (oktas)								Mean daily evaporation Piche (millimetres)	Mean maximum temp. (°C) of		Mean grass minimum (°C)
		Total actual	Total possible	Percentage %	0000 U.T.		0600 U.T.		1200 U.T.		1800 U.T.			Black bulb thermometer	Bright bulb thermometer	
					Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal				
Mediterranean	Sallum		—	—	1.2	—	1.9	—	1.8	—	0.9	—	8.5	—	—	—
	Sidi Barrani	—		—	—	—	3.2	—	2.0	—	1.4	—	7.4	—	—	—
	Mersa Matruh (A)	312.6	371.1	84.2	1.5	—	2.9	—	2.3	—	1.9	—	9.8	—	—	—
	Dabaa	—	—	—	—	—	2.9	—	1.9	—	1.8	—	7.4	—	—	—
	Dekheila (A)	—	—	—	2.0	—	3.1	—	2.1	—	2.1	—	6.6	—	—	—
	Balteam	—	—	—	—	—	2.7	—	2.2	—	1.7	—	5.0	—	—	—
	Alexandria (A)	317.5	370.8	85.6	2.7	—	3.7	—	3.0	—	2.4	—	4.8	—	—	—
	Damietta	—	—	—	—	—	2.3	—	1.4	—	1.0	—	3.8	—	—	—
	Port Said (A)	325.4	370.8	87.8	0.8	—	1.3	—	0.8	—	0.4	—	6.4	—	—	—
	El Arish	—	—	—	2.7	—	2.8	—	1.3	—	1.0	—	5.3	—	—	—
	Ghazza	323.9	371.1	87.3	2.2	—	2.2	—	1.1	—	0.3	—	7.4	—	—	—
Lower Egypt	El Sirw	—	—	—	—	—	2.0	—	2.1	—	0.6	—	4.2	—	—	—
	Sakha	—	—	—	—	—	2.2	—	2.0	—	0.4	—	4.3	—	—	16.4
	Mansoura	—	—	—	—	—	1.3	—	2.2	—	—	—	5.0	—	—	—
	Damanhour	—	—	—	—	—	1.4	—	2.2	—	1.1	—	3.1	—	—	—
	Gimmeiza	(303.9)	(358.0)	84.9	—	—	0.9	—	2.7	—	0.0	—	5.4	—	—	—
	Tanta	327.8	370.3	88.5	—	—	1.0	—	2.0	—	0.1	—	5.8	65	43	—
	Tahrir	306.1	370.4	82.6	—	—	1.4	—	2.3	—	0.4	—	9.0	—	—	16.4
	Shebin El Kom	—	—	—	—	—	1.4	—	2.7	—	0.0	—	3.4	—	—	—
	Zagazig	—	—	—	—	—	1.8	—	3.0	—	0.1	—	4.4	—	—	—
	Abu Sueir (A)	—	—	—	0.7	—	1.1	—	2.0	—	0.3	—	10.5	71	—	17.2
	Zaher (A)	—	—	—	—	—	1.0	—	1.4	—	0.1	—	8.4	—	—	—
	Wadi El Natrun	—	—	—	—	—	1.6	—	1.6	—	0.1	—	7.0	—	—	—
	Inshas	—	—	—	—	—	1.2	—	1.3	—	0.1	—	7.8	—	—	—
	Fayed (A)	—	—	—	—	—	1.4	—	1.1	—	0.2	—	13.3	—	—	—
	Kabrit (A)	—	—	—	—	—	1.8	—	1.1	—	0.2	—	10.7	—	—	—
Cairo Area	Cairo (A)	—	—	—	0.7	—	1.7	—	1.4	—	0.2	—	10.8	—	—	—
	Mostafa Helmi (A)	—	—	—	0.4	—	1.9	—	1.2	—	0.4	—	10.5	—	—	—
	Almaza (A)	314.9	370.5	85.0	0.7	—	1.8	—	1.5	—	0.3	—	9.5	—	—	—
	Abbasiya (H.Q.)	322.9	370.5	87.1	0.6	—	1.7	—	1.5	—	0.2	—	5.8	71	45	—
	Imbaba (A)		—				1.5	—	1.5	—	—	—	7.1	—	—	—
	Giza	301.6	370.5	81.4		—	1.5	—	1.1	—	0.3	—	7.5	—	—	12.5
	Helwan	316.2	370.9	85.2			1.7	—	0.6	—	0.4	—	10.6	—	—	—
Upper Egypt	Fayoum		—				0.4	—	0.3	—	0.4	—	9.8	—	—	—
	Beni Suef		—	—			0.7	—	0.2	—	0.1	—	6.3	—	—	15.7
	Seds			—		—	0.1	—	0.2	—	0.0	—	5.0	—	—	—
	Minya (A)			—	0.0	—	0.5	—	0.1	—	0.0	—	7.9	65	42	15.6
	Mallawi			—	—	—	0.0	—	0.0	—	0.0	—	3.1	—	—	14.3
	Mangabad (A)		—	—	0.0	—	0.0	—	0.1	—	0.0	—	—	—	47	17.6
	Shandaweel	(295.7)	(333.7)	88.6	—	—	0.0	—	0.0	—	0.0	—	6.0	—	—	10.7
	Nag Hammadi	—	—		—	—	0.0	—	0.0	—	0.0	—	6.5	—	—	18.4
	Kena	—	—	—	—	—	0.1	—	0.0	—	0.0	—	7.2	—	—	19.2
	Luxor (A)	—	—	—	0.0	—	0.2	—	0.1	—	0.0	—	10.0	68	48	16.2
	Kom Ombo	—	—	—	—	—	0.3	—	0.3	—	0.0	—	11.5	—	—	14.5
	Aswan (A)	—	—	—	0.0	—	0.7	—	0.3	—	0.2	—	19.6	—	—	—
Western Desert	Siwa	—	—	—	0.1	—	0.6	—	0.7	—	0.2	—	10.6	73	46	15.2
	Bahariya	—	—	—	0.0	—	1.2	—	0.7	—	0.1	—	7.4	—	—	—
	Farafra	—	—	—	0.0	—	0.1	—	0.1	—	0.0	—	15.7	—	—	—
	Dakhla	—	—	—	0.0	—	0.1	—	0.0	—	0.0	—	17.3	—	47	12.1
	Kharga	—	—	—	0.0	—	0.0	—	0.2	—	0.0	—	11.0	—	—	15.5
Red Sea	Suez	—	—	—	—	—	1.2	—	0.6	—	0.1	—	10.8	—	—	—
	Tor	—	—	—	0.0	—	0.1	—	0.2	—	0.1	—	9.7	—	—	—
	Hurghada	—	—	—	0.0	—	0.1	—	0.2	—	0.0	—	19.7	—	—	—
	Quseir	—	—	—	0.0	—	0.2	—	0.1	—	0.0	—	16.6	—	—	—
	Abul Kizan	—	—	—	—	—	2.7	—	3.2	—	2.9	—	5.1	—	—	—

Note : Acuital number of sunshine records was 28 days at Gimmeiza & 26 doys at Shandaweel.

Table A 7.—SOIL TEMPERATURE (°C) AT SELECTED DEPTHS AT FIXED HOURS
SEPTEMBER 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
MEDITERRANEAN	Mersa Matruh (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	28.4	29.6	6	26.8	30	28.2	29.5	4	26.6	30	28.1	29.7	4.5	26.5	29, 30	28.3	29.6	6	27.0	27.29.30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	29.6	30.8	1, 2, 3	27.8	30	29.6	31.1	2	28.0	27.29.30	29.4	30.8	2	27.8	30	29.5	30.8	2	27.8	29
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LOWER EGYPT	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	28.0	28.2	*	27.3	*	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	27.0	27.1	20, 30	27.0	*	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	31.6	34.0	1	29.0	28.29.30	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	30.4	32.0	3	28.5	29, 30	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	24.1	27.2	10	20.7	30	30.7	33.5	10	27.2	30	28.7	30.8	1	25.8	29
		10	—	—	—	—	—	27.4	29.4	10	24.7	30	30.3	32.4	10	27.6	30	30.4	32.4	11	28.0	*
		20	—	—	—	—	—	27.4	29.3	1	24.9	29, 30	27.6	31.2	4	25.0	30	28.1	29.8	1	25.8	28, 30
		50	—	—	—	—	—	30.1	31.5	1	28.2	30	29.9	31.4	1	27.9	30	29.8	31.3	1	27.8	30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More then 3 days.

Table A 7. (Contd) – **SOIL TEMPERATURE (°C) AT SELECTED DEPTHS AT FIXED HOURS**
SEPTEMBER 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
Lower Egypt (Contd.)	Tahrir	5	—	—	—	—	—	23.8	27.3	10	20.5	30	39.5	43.5	9	35.4	30	28.9	31.9	9	25.2	27
		10	—	—	—	—	—	24.0	27.2	10-11	20.8	30	34.8	37.9	11	31.2	27	31.1	34.5	9	27.5	27
		20	—	—	—	—	—	27.3	29.5	10	24.5	30	29.4	31.5	1, 11	26.3	30	31.2	33.5	1	28.1	30
		50	—	—	—	—	—	29.6	31.4	1	27.3	30	29.2	31.0	1	26.0	30	29.3	31.0	1	27.0	30
		100	—	—	—	—	—	29.5	30.7	1	28.0	30	—		—	—	—	29.5	30.7	1	27.9	30
		200	—	—	—	—	—	28.8	29.2	*	28.4	28-29.30	—	—	—	—	—	28.8	29.2	2-4-6	28.3	30
	Delta Barrage	5	—	—	—	—	—	—		—	—	—			—	—	—	—	—	—	—	—
		10	—	—	—	—	—							—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—								—		—	—	—	—	—	—
		50	—	—	—	—	—	29.9	31.0	*	28.0	28-29.30			—		—		—	—	—	—
		100	—	—	—	—	—	28.5	29.5	10, 11	27.0	*	—	—	—		—	—	—	—	—	—
		200	—	—	—	—	—	27.2	29.5	19, 26	25.5	2	—	—	—	—	—	—	—	—	—	—
Cairo Area	Giza	5	—	—	—	—	—	25.8	29.1	10	22.3	30	38.2	41.4	11	34.6	27	31.9	34.5	1	28.3	27
		10	—	—	—	—	—	27.7	29.8	4	24.9	30	33.0	35.4	1, 2	30.0	30	32.8	35.4	1	30.1	30
		20	—	—	—	—	—	30.5	32.4	1	28.2	30	30.6	32.4	1	28.2	30	31.6	33.6	1	29.2	30
		50	—	—	—	—	—	31.6	33.1	1	29.8	30	31.5	33.0	1	29.8	30	31.4	32.9	1	29.7	30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—									—	—	—	—	—
Upper Egypt	Seds	5	—	—	—	—	—	—	—	—						—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—						—	—	—	—	—	—	—
		20	—	—	—	—	—	—		—						—	—	—	—	—	—	—
		50	—	—	—	—	—	—		—						—	—	—	—	—	—	—
		100	—	—	—	—	—	27.0	27.7	3	25.5	19, 28	26.7	27.8	1	25.0	29	26.2	27.5	5	24.5	29
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya . . (A)	5	28.6	33.5	5	25.0	25	25.5	28.0	4, 5	22.0	30	34.1	38.0	1	29.9	25	31.3	35.1	4	27.5	30
		10	30.1	33.0	1	27.3	30	28.6	31.6	1	26.0	28, 30	32.1	35.5	4	29.0	25, 29	32.2	35.7	4	29.0	25, 30
		20	30.5	33.5	2	28.0	30	29.8	32.6	1	27.0	30	30.5	33.5	4	28.0	29	31.1	34.2	4	28.0	30
		50	31.1	33.4	1	28.9	29	30.9	33.4	1	28.8	29	30.9	33.1	2, 3	28.6	29	31.0	33.1	1, 2	29.0	29, 30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More the 3 days.

Table A 7. (*contd.*)—SOIL TEMPERATURE (C) AT SELECTED DEPHTS AT FIXED HOURS

SEPTEMBER 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
Upper Egypt (*contd.*)	Mallawi	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	26.0	27.8	1	24.2	30	26.0	27.8	1	24.2	30	26.0	27.8	1	24.2	30
		100	—	—	—	—	—	26.0	27.0	1	24.5	30	26.0	27.0	1	24.5	30	26.0	27.0	1	24.5	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	29.6	31.0	1, 2	27.6	29, 30	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	28.2	29.5	15	27.5	*	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo	5	—	—	—	—	—	29.6	37.2	5	24.2	25	43.3	48.6	6	34.2	20	30.7	36.2	13	25.0	20
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	29.9	34.4	5	25.4	25	34.3	39.0	1	33.8	30	31.3	36.2	10	26.5	20,30
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days

Table A 8—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

SEPTEMBER 1961

District	Station	Precipitation				Frost	Thunderstorm	Mist vis. ≥ 1000 metres.	Fog vis. < 1000 metres.	Haze vis. ≥ 1000 metres	Thick haze vis < 1000 metres.	Dust rising/Sand rising vis ≥ 1000 metres.	Duststorm/Sandstorm vis < 1000 metres.	Drifting Snow		Blowing Snow		Gales	Clear Sky	Cloudy Sky
		Rain	Snow	Ice pellets	Hail									Sight/moderate vis. below eye level ≥ 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)	Slight/moderate vis. below eye level ≥ 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)			
Mediterranean	Sallum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0
	Sidi Barrani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Mersa Matruh (A)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0
	Dabaa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Dekheila (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0
	Alexandria (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0
	Balteam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Damietta	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	—	—
	Port Said (A)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	25	0
	El Arish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0
	Ghazza	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0
Lower Egypt	El Sirw	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Damanhour	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	0	0	0	0	0	0	6	2	0	0	0	0	0	0	0	0	0	—	—
	Shebin El Kom	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	—	—
	Zagazig	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	0	0	0	0	0	0	5	0	3	0	1	0	0	0	0	0	0	25	0
	Zaher (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Wadi El Natrun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Inshas (A)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	—	—
	Fayed (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Kabrit (A)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
Cairo Area	Cairo (A)	0	0	0	0	0	0	10	0	2	0	0	0	0	0	0	0	0	25	0
	Mostafa Helmi (A)	0	0	0	0	0	0	10	2	1	0	1	0	0	0	0	0	0	24	0
	Almaza (A)	0	0	0	0	0	0	12	0	8	0	0	0	0	0	0	0	0	25	0
	Abbasiya (H.Q.)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	24	0
	Imbaba (A)	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	—	—
	Giza	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Helwan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table A 8 (*contd.*)—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

SEPTEMBER 1961

District	Station	Precipitation				Frost	Thunderstorm	Mist vis. ≥ 1000 metres.	Fog vis. < 1000 metre.	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres.	Dust rising/Sand rising vis ≥ 1000 metres.	Duststorm/Sandstorm vis < 1000 metres.	Drifting Snow		Blowing Snow		Gales	Clear Sky	Cloudy Sky
		Rain	Snow	Ice pellets	Hail									Slight/moderate vis. below eye level ≥ 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)	Slight/moderate vis. below eye level ≥ 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)			
Upper Egypt	Fayoum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Beni Suef	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Seds	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	30	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad)(A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	Kom Ombo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Aswan (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0
Western Desert	Siwa	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	30	0
	Bahariya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	Farafra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	Kharga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	30	0
	Hurghada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	Quseir	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	30	0
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 9.— NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

SEPTEMBER 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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	18	0	0	1–10	276	39	10	13	5	2	6	1	16	24	18	145	555
					11–27	74	12	2	0	0	0	0	0	0	0	1	58	147
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**350**	**51**	**12**	**13**	**5**	**2**	**6**	**1**	**16**	**24**	**19**	**203**	**702**
	Mersa Matruh (A)	5	0	0	1–10	74	12	11	7	4	1	2	0	56	92	24	85	368
					11–27	118	16	4	0	0	0	0	0	1	3	55	150	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	**192**	**28**	**15**	**7**	**4**	**1**	**2**	**0**	**57**	**95**	**79**	**235**	**715**
	Dekheila (A)	2	0	0	1–10	176	6	1	1	0	3	1	0	0	26	75	189	478
					11–27	58	0	0	0	0	0	0	0	2	15	71	94	240
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**234**	**6**	**1**	**1**	**0**	**3**	**1**	**0**	**2**	**41**	**146**	**283**	**718**
	Alexandria (A)	9	0	0	1–10	162	37	4	1	2	0	0	0	0	18	66	162	452
					11–27	66	1	0	0	0	0	0	0	0	5	67	120	239
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**228**	**38**	**4**	**1**	**2**	**0**	**0**	**0**	**0**	**23**	**133**	**282**	**711**
	Port Said (A)	0	0	0	1–10	139	22	11	0	0	2	2	9	72	75	34	130	496
					11–27	45	1	0	0	0	0	0	3	18	29	48	80	224
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**184**	**23**	**11**	**0**	**0**	**2**	**2**	**12**	**90**	**104**	**82**	**210**	**720**
	El Arish	12	3	1	1–10	100	44	4	1	1	18	16	107	55	32	106	164	648
					11–27	0	0	0	0	0	0	0	0	2	2	21	1	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	**100**	**44**	**4**	**1**	**1**	**18**	**16**	**107**	**57**	**34**	**127**	**165**	**674**
LOWER EGYPT	Tanta	17	0	0	1–10	16	3	3	1	0	0	26	62	126	138	181	143	699
					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
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**16**	**3**	**3**	**1**	**0**	**0**	**26**	**62**	**126**	**140**	**182**	**144**	**703**
	Abu Sueir (A)	41	1	25	1–10	97	42	11	5	0	0	0	5	113	55	89	116	533
					11–27	44	24	1	0	0	0	0	0	0	10	19	22	120
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**141**	**66**	**12**	**5**	**0**	**0**	**0**	**5**	**113**	**65**	**108**	**138**	**653**
	Zaher (A)	9	0	0	1–10	146	26	4	3	1	8	2	37	97	73	114	181	692
					11–27	7	0	0	0	0	0	0	0	0	5	4	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	**153**	**26**	**4**	**3**	**1**	**8**	**2**	**37**	**97**	**78**	**118**	**184**	**711**

TABLE A 9. (*contd.*)— NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

SEPTEMBER 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	Wind speed in knots	Number in hours of occurrences of wind blowsng 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	
Cairo Area	Cairo . . . . . (A)	191	0	4	1—10	89	34	8	4	6	1	1	1	8	25	84	202	463
					11—27	11	22	0	0	0	0	0	0	1	8	5	15	62
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**100**	**56**	**8**	**4**	**6**	**1**	**1**	**1**	**9**	**33**	**89**	**217**	**525**
	Mostafa Helmi . (A)	1	3	0	1—10	96	29	7	2	4	0	2	1	18	27	57	95	338
					11—27	135	118	1	0	1	0	0	0	1	1	40	81	378
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**231**	**147**	**8**	**2**	**5**	**0**	**2**	**1**	**19**	**28**	**97**	**176**	**716**
	Abbasiya . . . (H.Q.)	117	0	0	1—10	190	56	5	1	2	1	0	0	20	56	89	183	603
					11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**190**	**56**	**5**	**1**	**2**	**1**	**0**	**0**	**20**	**56**	**89**	**183**	**603**
	Almaza . . . . (A)	3	0	0	1—10	140	194	128	15	20	11	12	6	5	15	57	68	671
					11—27	3	23	12	0	0	0	0	0	0	0	6	2	46
					28—47	0	0	0	0	0	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**	**217**	**140**	**15**	**20**	**11**	**12**	**6**	**5**	**15**	**63**	**70**	**717**
	Giza	70	7	0	1—10	296	81	3	0	0	0	0	0	4	10	53	191	638
					11—27	1	1	0	0	0	0	0	0	0	0	0	3	5
					88—47	0	0	0	0	0	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**	**82**	**3**	**0**	**0**	**0**	**0**	**0**	**4**	**10**	**53**	**194**	**643**
Upper Egypt	Minya . . . . . (A)	8	0	0	1—10	213	136	11	0	0	0	0	0	2	8	36	88	494
					11—27	81	130	0	0	0	0	0	0	0	0	1	6	218
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**294**	**266**	**11**	**0**	**0**	**0**	**0**	**0**	**2**	**8**	**37**	**94**	**712**
	Luxor . . . . . (A)	36	3	0	1—10	64	99	5	11	11	9	14	99	86	46	71	162	677
					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	**65**	**99**	**5**	**11**	**11**	**9**	**14**	**99**	**86**	**46**	**71**	**165**	**681**
Western Desert	Siwa	78	3	0	1—10	96	96	55	34	19	7	5	5	7	12	28	99	463
					11—27	53	68	13	0	1	0	0	0	0	0	1	40	176
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**149**	**164**	**68**	**34**	**20**	**7**	**5**	**5**	**7**	**12**	**29**	**139**	**639**
	Dakhla	1	11	164	1—10	29	6	2	0	0	0	1	7	19	52	88	106	310
					11—27	45	2	0	0	0	0	0	0	0	1	29	157	234
					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	**74**	**8**	**2**	**0**	**0**	**0**	**1**	**7**	**19**	**53**	**117**	**263**	**544**
Red Sea	Hurghada	0	0	0	1—10	10	0	0	0	0	2	0	0	0	2	74	42	130
					11—27	229	5	0	0	0	0	0	0	0	2	91	259	586
					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	**240**	**5**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**4**	**165**	**304**	**720**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SALLUM — SEPTEMBER 1961

Hour (U.T.)	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	0	0	0	0	1	0	0	0	1	4	7	15
				11—27	4	0	0	1	0	0	0	0	0	1	4	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	**6**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**2**	**8**	**10**	**28**
0300	3	0	0	1—10	2	0	0	1	0	0	0	0	0	1	5	7	16
				11—27	2	0	0	0	0	0	0	0	0	0	4	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	**4**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**9**	**12**	**27**
0600	4	0	0	1—10	2	0	0	0	0	0	0	0	0	0	9	9	20
				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	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**11**	**13**	**26**
0900	2	0	0	1—10	4	7	2	1	0	1	0	0	0	0	0	3	18
				11—27	1	6	1	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	**5**	**13**	**3**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**5**	**28**
1200	0	0	0	1—10	2	2	1	0	0	0	0	0	0	0	0	0	5
				11—27	9	14	2	0	0	0	0	0	0	0	0	0	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	**11**	**16**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**30**
1500	0	0	0	1—10	3	3	0	0	0	0	0	0	0	0	0	0	6
				11—27	13	8	1	0	0	0	0	0	0	0	0	2	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**	**11**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**30**
1800	2	0	0	1—10	12	2	0	0	0	0	0	0	0	0	4	3	21
				11—27	1	1	1	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	**13**	**3**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**7**	**28**
2100	3	0	0	1—10	6	1	0	0	0	0	0	0	0	5	4	6	22
				11—27	1	0	0	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	**7**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**5**	**5**	**8**	**27**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MERSA MATRUH (A) — SEPTEMBER 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Numker of cases of occurrenses 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	0	0	0	0	0	0	0	4	9	1	4	20
				11—27	4	1	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	**6**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**9**	**2**	**6**	**28**
0300	2	0	0	1—10	4	0	0	0	0	0	0	1	6	8	0	3	22
				11—27	3	0	0	0	0	0	0	0	0	2	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**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**6**	**10**	**0**	**4**	**28**
0600	0	0	0	1—10	3	0	0	0	0	0	1	0	4	8	2	2	20
				11—27	4	0	1	0	0	0	0	0	0	2	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	**7**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**4**	**10**	**4**	**3**	**30**
0900	0	0	0	1—10	5	1	0	0	0	0	0	0	0	0	1	3	10
				11—27	3	1	1	0	0	0	0	0	0	0	4	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	**8**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**14**	**30**
1200	0	0	0	1—10	0	2	0	0	0	0	0	0	0	0	0	0	2
				11—27	9	0	0	0	0	0	0	0	0	0	5	14	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	**9**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**14**	**30**
1500	0	0	0	1—10	1	0	0	0	0	0	0	0	0	0	0	0	1
				11—27	6	2	0	0	0	0	0	0	0	0	2	19	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	**7**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**19**	**30**
1800	1	0	0	1—10	7	1	1	0	0	0	0	0	0	0	3	7	19
				11—27	5	0	0	0	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	**12**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**10**	**29**
2100	1	0	0	1—10	8	1	1	0	0	0	0	0	2	4	2	5	23
				11—27	3	0	0	0	0	0	0	0	0	0	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	**11**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**3**	**7**	**29**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DEKHEILA (A) — SEPTEMBER 1961

Hour (U.T.)	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	13	1	0	0	0	0	0	0	0	1	3	6	24
				11—27	2	0	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	**15**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**8**	**30**
0300	1	0	0	1—10	12	1	0	0	0	0	0	0	0	1	6	5	25
				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	**12**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**7**	**8**	**29**
0600	0	0	0	1—10	7	2	0	0	0	1	0	0	1	1	7	8	27
				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**	**2**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**1**	**8**	**10**	**30**
0900	0	0	0	1—10	6	0	0	0	0	0	0	0	0	1	2	9	18
				11—27	1	0	0	0	0	0	0	0	0	2	5	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	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**7**	**13**	**30**
1200	0	0	0	1—10	6	0	0	0	0	0	0	0	0	0	1	6	13
				11—27	3	0	0	0	0	0	0	0	0	1	6	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	**9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**7**	**13**	**30**
1500	0	0	0	1—10	2	0	0	0	0	0	0	0	0	0	3	8	13
				11—27	6	0	0	0	0	0	0	0	0	1	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	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**5**	**16**	**30**
1800	0	0	0	1—10	8	1	0	0	0	0	0	0	0	0	5	6	20
				11—27	6	0	0	0	0	0	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	**14**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**9**	**30**
2100	0	0	0	1—10	12	0	0	0	0	0	0	0	0	2	2	5	21
				11—27	5	0	0	0	0	0	0	0	0	0	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	**17**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**3**	**8**	**30**

TABLE A 10.— NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSBRVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALEXANDRIA (A) — SEPTEMBER 1961

Hour (U.T.)	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	10	2	0	0	0	0	0	0	1	1	3	9	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	**10**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**4**	**12**	**30**
0300	0	0	0	1—10	9	4	0	0	0	0	0	0	0	3	6	4	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	**9**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**7**	**7**	**30**
0600	1	0	0	1—10	8	0	1	1	0	0	0	0	0	1	6	7	24
				11—27	1	0	0	0	0	0	0	0	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	**9**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**9**	**8**	**29**
0900	0	0	0	1—10	8	0	0	0	0	0	0	0	0	0	1	6	15
				11—27	1	0	0	0	0	0	0	0	0	3	5	6	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**6**	**12**	**30**
1200	0	0	0	1—10	1	0	0	0	0	0	0	0	0	0	1	3	5
				11—27	6	0	0	0	0	0	0	0	0	1	7	11	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	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**8**	**14**	**30**
1500	0	0	0	1—10	4	0	0	0	0	0	0	0	0	0	0	3	7
				11—27	8	1	0	0	0	0	0	0	0	0	3	11	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**14**	**30**
1800	0	0	0	1—10	11	0	0	0	0	0	0	0	0	0	3	8	22
				11—27	4	0	0	0	0	0	0	0	0	0	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	**15**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**10**	**30**
2100	0	0	0	1—10	11	3	0	0	0	0	0	0	0	1	2	7	24
				11—27	2	0	0	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	**13**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**10**	**30**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

PORT SAID (A)—SEPTEMBER 1961

Hour (U.T.)	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	4	1—10	0	1	1	0	0	0	0	0	2	8	2	5	19
				11—27	2	0	0	0	0	0	0	0	1	1	2	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**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**3**	**9**	**4**	**6**	**26**
0300	0	0	0	1—10	5	1	0	0	0	1	1	0	5	6	0	4	23
				11—27	1	0	0	0	0	0	0	0	3	2	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	**6**	**1**	**0**	**0**	**0**	**1**	**1**	**0**	**8**	**8**	**0**	**5**	**30**
0600	0	0	0	1—10	5	2	0	0	0	0	0	3	7	1	3	3	24
				11—27	0	0	0	0	0	0	0	0	3	2	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	**5**	**2**	**0**	**0**	**0**	**0**	**0**	**3**	**10**	**3**	**3**	**4**	**30**
0900	0	0	0	1—10	6	2	0	0	0	0	0	0	7	5	2	4	26
				11—27	0	0	0	0	0	0	0	0	0	3	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	**6**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**8**	**2**	**5**	**30**
1200	0	0	0	1—10	7	1	0	0	0	0	0	0	1	1	0	9	19
				11—27	2	0	0	0	0	0	0	0	0	1	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	**9**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**0**	**17**	**30**
1500	0	0	0	1—10	5	0	0	0	0	0	0	0	0	0	0	3	8
				11—27	5	0	0	0	0	0	0	0	0	0	5	12	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**15**	**30**
1800	0	0	0	1—10	6	1	0	0	0	0	0	0	0	0	0	7	14
				≥—27	5	0	0	0	0	0	0	0	0	2	4	5	16
				11—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				2848	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**11**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**12**	**30**
2100	0	0	0	1—10	8	1	1	0	0	0	0	0	0	3	2	5	20
				11—27	2	0	0	0	0	0	0	0	1	4	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	**10**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**7**	**4**	**6**	**30**

TABLE A 10. NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

EL ARISH—SEPTEMBER 1961

Hour (U.T.)	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 / 047	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	4	1	0	0	0	0	0	9	5	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	4	1	0	0	0	0	0	9	5	0	1	3	23
0300	6	0	0	1—10	2	0	0	1	0	1	2	12	3	0	2	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	2	0	0	1	0	1	2	12	3	0	2	1	24
0600	2	0	0	1—10	1	0	2	0	0	1	4	7	10	2	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	1	0	2	0	0	1	4	7	10	2	0	1	28
0900	0	0	0	1—10	4	2	1	0	0	0	0	0	0	5	12	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	4	2	1	0	0	0	0	0	0	5	12	6	30
1200	0	0	0	1—10	3	0	0	0	0	0	0	0	0	0	8	14	25
				11—27	0	0	0	0	0	0	0	0	0	0	4	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	0	0	0	0	0	0	0	0	0	12	15	30
1500	0	0	0	1—10	9	0	0	0	0	0	0	0	0	0	9	12	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	0	0	0	0	0	0	0	0	0	9	12	30
1800	0	0	0	1—10	6	3	0	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	6	3	0	0	0	0	0	0	0	1	9	11	30
2100	11	0	0	1—10	4	2	0	0	0	0	0	2	2	2	4	3	19
				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	4	2	0	0	0	0	0	2	2	2	4	3	19

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

GHAZZA SEPTEMBER 1961

Hour (U.T.)	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	3	0	0	1	2	15	5	0	0	1	0	2	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	**3**	**0**	**0**	**1**	**2**	**15**	**5**	**0**	**0**	**1**	**1**	**2**	**30**
0300	0	0	0	1–10	0	0	0	1	3	18	7	0	0	1	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	**0**	**0**	**0**	**1**	**3**	**18**	**7**	**0**	**0**	**1**	**0**	**0**	**30**
0600	1	0	0	1–10	1	0	2	0	0	11	7	5	1	1	0	0	28
				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**	**0**	**2**	**0**	**0**	**11**	**7**	**6**	**1**	**1**	**0**	**0**	**29**
0900	0	0	0	1–10	7	0	0	0	0	0	0	0	6	11	3	2	29
				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	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**11**	**3**	**2**	**30**
1200	0	0	0	1–10	3	0	0	0	0	0	0	0	0	6	8	10	27
				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	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**8**	**10**	**30**
1500	0	0	0	1–10	8	0	0	0	0	0	0	0	0	3	7	11	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	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**8**	**11**	**30**
1800	1	0	0	1–10	12	1	0	1	0	0	0	0	0	3	3	5	25
				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	**13**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**3**	**5**	**6**	**29**
2100	0	0	0	1–10	5	1	0	5	2	6	2	0	0	3	1	4	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	**5**	**1**	**0**	**5**	**2**	**6**	**2**	**0**	**0**	**3**	**2**	**4**	**30**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ABU SUEIR (A)—SEPTEMBER 1961

Hour (U.T.)	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	2	0	0	0	0	0	0	0	6	3	8	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	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**3**	**8**	**2**	**21**
0300	8	0	0	1—10	1	0	0	0	0	0	0	2	10	4	3	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**10**	**4**	**3**	**2**	**22**
0600	8	0	0	1—10	1	0	0	0	0	0	0	1	8	4	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**8**	**5**	**4**	**3**	**22**
0900	0	0	0	1—10	3	7	3	1	0	0	0	1	1	7	1	5	29
				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	9	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**3**	**7**	**3**	**1**	**0**	**0**	**0**	**1**	**1**	**8**	**1**	**5**	**30**
1200	0	0	0	1—10	2	1	0	1	0	0	0	0	1	1	4	7	17
				11—27	3	2	0	0	0	0	0	0	1	3	1	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	**5**	**3**	**0**	**1**	**0**	**0**	**0**	**0**	**2**	**4**	**5**	**10**	**30**
1500	0	0	0	1—10	1	1	0	0	0	0	0	0	0	0	3	1	0
				11—27	10	7	0	0	0	0	0	0	0	2	3	2	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	**11**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**6**	**3**	**30**
1800	0	0	0	1—10	15	6	1	0	0	0	0	0	0	0	1	1	24
				11—27	2	0	0	0	0	0	0	0	0	0	1	3	0
				28—47	0	0	0	0	0	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**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**30**
2100	8	0	0	1—10	3	0	0	0	0	0	0	0	0	4	6	9	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**6**	**9**	**22**

TABLE A 10. NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

CAIRO (A) SEPTEMBER 1961

Hour (U.T.)	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	4	1	1	1	0	0	0	0	1	0	2	3	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	1	1	0	0	0	0	1	0	2	3	13
0300	19	0	0	1—10	0	4	1	1	0	0	0	0	1	2	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	4	1	1	0	0	0	0	1	2	1	1	11
0600	11	0	0	1—10	3	3	0	0	0	0	1	0	2	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	3	3	0	0	0	0	1	0	2	3	4	3	19
0900	0	0	0	1—10	5	3	1	0	0	0	0	0	0	6	5	5	25
				11—27	1	2	0	0	0	0	0	0	0	0	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	6	5	1	0	0	0	0	0	0	6	7	5	30
1200	0	0	0	1—10	5	2	0	0	0	0	0	0	0	2	8	10	27
				11—27	0	1	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	5	3	0	0	0	0	0	0	0	3	9	10	30
1500	0	0	0	1—10	4	2	0	0	0	0	0	0	0	0	5	12	23
				11—27	3	1	0	0	0	0	0	0	0	0	2	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	0	0	0	0	0	0	0	0	7	13	30
1800	0	0	0	1—10	9	3	0	0	0	0	0	0	0	0	2	9	23
				11—27	2	5	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	11	8	0	0	0	0	0	0	0	0	2	9	30
2100	4	0	0	1—10	7	7	2	1	0	0	0	0	0	2	2	5	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	7	7	2	1	0	0	0	0	0	2	2	5	26

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

MOSTAFA HELMI (A) — SEPTEMBER 1961

Hour (U.T.)	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	9	1	1	1	0	0	0	0	2	2	3	9	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	**9**	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**2**	**2**	**3**	**10**	**29**
0300	1	0	0	1—10	7	0	0	1	0	0	0	0	3	3	8	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**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**3**	**3**	**8**	**7**	**29**
0600	0	0	0	1—10	5	2	0	0	0	0	0	0	2	1	4	4	18
				11—27	5	4	0	0	0	0	0	0	0	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	**10**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**6**	**4**	**30**
0900	0	0	0	1—10	2	2	0	0	0	0	1	0	0	0	3	3	11
				11—27	3	7	0	0	0	0	0	0	0	0	4	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	**5**	**9**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**7**	**8**	**30**
1200	0	0	0	1—10	3	1	0	0	1	0	0	0	0	0	0	0	5
				11—27	8	4	1	0	0	0	0	0	0	0	4	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	**11**	**5**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**4**	**8**	**30**
1500	0	0	0	1—10	0	0	2	0	0	0	0	0	0	0	0	1	3
				11—27	8	9	1	0	0	0	0	0	0	0	0	9	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	**8**	**9**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**	**30**
1800	0	0	0	1—10	2	1	1	0	0	0	0	0	0	0	0	0	4
				11—27	21	5	0	0	0	0	0	0	0	0	0	0	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	**23**	**6**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**30**
2100	0	0	0	1—10	12	2	0	0	0	0	0	0	0	0	2	2	18
				11—27	5	5	0	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	**17**	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**30**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALMAZA (A) — SEPTEMBER 1961

Hour (U.T.)	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	3	9	5	4	0	1	0	1	0	1	1	2	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**	**9**	**5**	**4**	**0**	**1**	**0**	**1**	**0**	**1**	**1**	**2**	**27**
0300	8	0	0	1–10	1	7	5	0	3	0	1	0	1	1	1	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	**1**	**7**	**5**	**0**	**3**	**0**	**1**	**0**	**1**	**1**	**1**	**2**	**22**
0600	1	0	0	1–10	6	9	5	0	0	0	1	0	1	5	2	0	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**	**9**	**5**	**0**	**0**	**0**	**1**	**0**	**1**	**5**	**2**	**0**	**29**
0900	0	0	0	1–10	8	6	1	1	0	0	0	0	0	1	7	3	27
				11–27	0	1	2	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	**8**	**7**	**3**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**7**	**3**	**30**
1200	0	0	0	1–10	10	4	1	0	0	0	0	0	0	0	8	3	27
				11–27	1	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	**11**	**5**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**3**	**30**
1500	0	0	0	1–10	11	5	0	0	0	0	0	0	0	0	0	5	16
				11–27	2	2	3	0	0	0	0	0	0	0	1	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	**13**	**7**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**11**	**30**
1800	0	0	0	1–10	7	14	5	0	0	0	0	0	0	0	1	1	28
				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	**7**	**16**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**30**
2100	0	0	0	1–10	4	14	10	0	0	0	0	0	0	0	1	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	**4**	**14**	**10**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**30**

TABLE A 10.- NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

GIZA -SEPTEMBER 1961

Hour (U.T.)	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	1	0	0	0	0	0	0	0	0	2	7	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**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**7**	**15**
0300	17	0	0	1-10	3	1	0	0	0	0	0	0	0	0	1	8	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 speesd	**3**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**8**	**13**
0600	5	0	0	1-10	8	2	0	0	0	0	0	0	0	3	2	10	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**	**0**	**3**	**2**	**10**	**25**
0900	0	0	0	1-10	11	6	1	0	0	0	0	0	0	2	3	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	**12**	**6**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**3**	**6**	**30**
1200	0	0	0	1-10	13	4	0	0	0	0	0	0	1	0	3	7	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	**14**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**8**	**30**
1500	0	0	0	1-10	18	3	1	0	0	0	0	0	0	0	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	**18**	**3**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**7**	**30**
1800	0	0	0	1-10	19	4	1	0	0	0	0	0	0	0	0	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	**19**	**4**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**30**
2100	3	0	0	1-10	14	3	0	0	0	0	0	0	0	0	3	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	**14**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**7**	**27**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

MINYA (A)—SEPTEMBER 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of direstione 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	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**
0300	1	0	0	1—10	15	2	0	0	0	0	0	0	0	1	1	9	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	**16**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**9**	**29**
0600	0	0	0	1—10	10	7	0	9	0	0	0	0	1	0	0	1	19
				11—27	7	4	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	**17**	**11**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**30**
0900	0	0	0	1—10	2	7	1	0	0	0	0	0	0	0	1	6	17
				11—27	4	9	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	**6**	**16**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**6**	**30**
1200	0	0	0	1—10	4	5	0	0	0	0	1	0	0	0	1	3	14
				11—27	5	11	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	**9**	**16**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**1**	**3**	**30**
1500	0	0	0	1—10	7	16	0	0	0	0	0	0	0	0	2	1	26
				11—27	0	4	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	**7**	**20**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**30**
1800	3	0	0	1—10	16	6	2	0	0	0	0	0	0	1	0	2	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	**16**	**6**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**2**	**27**
2100	0	0	0	1—10	15	1	0	0	0	0	0	0	0	0	1	4	21
				11—27	7	2	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	**22**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**30**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ASYOUT (A)—SEPTEMBER 1961

Hour (U.T.)	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	0	0	0	0	0	0	0	4	13	2	4	24
				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	0	0	0	0	0	0	0	4	14	2	6	27
0300	3	0	0	1—10	0	0	0	0	0	0	0	0	3	18	3	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	0	0	0	0	0	0	0	0	3	18	3	3	27
0600	2	0	0	1—10	0	0	0	0	0	0	0	0	0	7	16	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	0	0	0	0	0	0	0	0	0	7	16	5	28
0900	1	0	0	1—10	5	0	0	0	0	0	0	0	0	2	6	7	20
				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	8	0	0	0	0	0	0	0	0	2	7	12	29
1200	0	0	0	1—10	4	1	0	0	0	0	0	0	0	0	1	4	10
				11—27	2	1	0	0	0	0	0	0	0	0	2	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	6	2	0	0	0	0	0	0	0	0	3	19	30
1500	0	0	0	1—10	3	0	0	0	0	0	0	0	0	0	0	10	13
				11—27	4	0	0	0	0	0	0	0	0	0	2	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	7	0	0	0	0	0	0	0	0	0	2	21	30
1800	6	0	0	1—10	2	0	0	0	0	0	0	0	0	2	13	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	2	0	0	0	0	0	0	0	0	2	13	7	24
2100	6	0	0	1—10	1	0	0	0	0	0	0	0	2	13	4	3	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	1	0	0	0	0	0	0	0	2	14	4	3	24

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

LUXOR (A) SEPTEMBER 1961

Hour (U.T.)	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	0	1	0	0	1	1	0	8	8	3	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**	**1**	**0**	**0**	**1**	**1**	**0**	**8**	**8**	**3**	**0**	**0**	**22**
0300	10	0	0	1–10	0	1	0	0	2	0	1	9	6	1	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**	**1**	**0**	**0**	**2**	**0**	**1**	**9**	**6**	**1**	**0**	**0**	**20**
0600	21	0	0	1–10	2	0	0	2	1	1	0	0	3	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**	**0**	**0**	**2**	**1**	**1**	**0**	**0**	**3**	**0**	**0**	**0**	**9**
0900	1	0	0	1–10	3	15	0	0	0	0	0	0	0	1	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	**3**	**15**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**8**	**29**
1200	0	0	0	1–10	5	6	0	0	0	0	0	0	1	0	5	11	28
				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**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**5**	**11**	**30**
1500	7	0	0	1–10	3	0	0	0	0	0	0	0	0	0	0	19	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**23**
1800	6	0	0	1–10	0	0	0	0	0	0	0	0	2	3	2	16	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**3**	**2**	**17**	**24**
2100	13	0	0	1–10	2	2	0	1	0	0	3	4	2	1	0	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	**2**	**2**	**0**	**1**	**0**	**0**	**3**	**4**	**2**	**1**	**0**	**2**	**17**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ASWAN (A)— SEPTEMBER 1961

Hour (U.T.)	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	11	0	0	0	0	0	0	0	0	0	1	8	20
				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	**14**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**8**	**23**
0300	6	0	0	1—10	19	1	0	0	0	0	0	0	0	0	0	4	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**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**24**
0600	3	0	0	1—10	19	1	0	0	0	0	0	0	0	0	0	3	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	**21**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**27**
0900	0	0	0	1—10	16	3	0	0	0	0	0	0	0	0	0	3	22
				11—27	5	2	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	**21**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**30**
1200	2	0	0	1—10	5	1	0	0	0	0	0	0	0	1	3	5	15
				11—27	8	0	0	0	0	0	0	0	0	1	1	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	**13**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**8**	**28**
1500	0	0	0	1—10	11	2	0	0	0	0	0	0	0	0	0	3	16
				11—27	8	1	0	0	0	0	0	0	0	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	**19**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**7**	**30**
1800	1	0	0	1—10	18	0	0	0	0	0	0	0	0	1	0	1	20
				11—27	8	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
				≥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**	**1**	**0**	**2**	**29**
2100	4	0	0	1—10	8	3	0	0	0	0	0	0	0	0	0	3	14
				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	**16**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**26**

TABLE A 10. NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

SIWA—SEPTEMBER 1961

Hour (U.T.)	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	9	0	3	2	3	1	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	6	9	0	3	2	3	1	0	0	0	0	0	24
0300	18	0	0	1—10	5	3	1	2	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	5	3	1	2	0	0	0	0	0	0	0	1	12
0600	9	0	0	1—10	9	1	2	0	1	0	0	0	0	1	0	5	19
				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	10	2	2	0	1	0	0	0	0	1	0	5	21
0900	0	0	0	1—10	10	0	2	3	0	1	1	1	0	0	4	7	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	10	1	2	3	0	1	1	1	0	0	4	7	30
1200	1	0	0	1—10	6	2	0	1	0	0	0	0	1	2	1	5	18
				11—27	5	1	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	11	3	0	1	0	0	0	0	1	2	1	10	29
1500	0	0	0	1—10	10	3	0	0	0	0	0	0	1	1	0	1	16
				11—27	12	1	0	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	22	4	0	0	0	0	0	0	1	1	0	2	30
1800	4	0	0	1—10	9	2	0	0	0	0	0	0	0	2	2	7	22
				11—27	1	3	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	5	0	0	0	0	0	0	0	2	2	7	26
2100	2	0	0	1—10	4	0	8	2	0	0	0	0	0	0	1	0	15
				11—27	7	0	6	0	0	0	0	0	0	0	0	0	13
				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	11	0	14	2	0	0	0	0	0	0	1	0	28

TABLE A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

BAHARIYA—SEPTEMBER 1961

Hour (U.T.)	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	6	12	0	0	0	0	0	0	0	0	0	0	18
				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	**8**	**16**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**24**
0300	17	0	0	1—10	5	6	0	0	0	0	0	0	0	0	0	0	11
				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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**13**
0600	10	0	1	1—10	11	4	0	0	0	0	0	0	0	0	0	0	15
				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	**13**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**19**
0900	4	0	0	1—10	7	4	0	0	0	0	0	0	0	0	1	3	15
				11—27	6	3	0	0	0	0	0	0	0	0	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	**13**	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**26**
1200	0	0	0	1—10	8	0	0	0	0	0	0	0	0	0	0	4	12
				11—27	9	2	0	0	0	0	0	0	0	0	4	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	**17**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**7**	**30**
1500	0	0	0	1—10	9	3	0	0	0	0	0	0	0	0	0	4	16
				11—27	8	0	0	0	0	0	0	0	0	0	2	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	**17**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**8**	**30**
1800	0	0	0	1—10	11	4	0	0	0	0	0	0	0	0	1	7	23
				11—27	5	0	0	0	0	0	0	0	0	0	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	**16**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**7**	**30**
2100	1	0	0	1—10	7	7	1	0	0	0	0	0	0	0	2	3	20
				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	**11**	**12**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**3**	**29**

TABLE A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

DAKHLA—SEPTEMBER 1961

Hour (U.T.)	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	2	5	7	11	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**5**	**7**	**11**	**5**	**30**
0300	2	0	0	1–10	4	0	0	0	0	0	1	2	5	7	3	2	24
				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	**5**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**5**	**7**	**5**	**3**	**28**
0600	0	0	0	1–10	3	2	1	0	0	0	0	2	2	4	8	4	26
				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	**3**	**2**	**1**	**0**	**0**	**0**	**0**	**2**	**2**	**4**	**8**	**8**	**30**
0900	0	0	0	1–10	3	0	1	0	0	0	0	0	1	0	2	3	10
				11–27	10	0	0	0	0	0	0	0	0	0	2	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	**13**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**4**	**11**	**30**
1200	0	0	0	1–10	1	0	0	0	0	0	0	0	0	2	2	4	9
				11–27	6	0	0	0	0	0	0	0	0	1	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	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**3**	**17**	**30**
1500	0	0	0	1–10	2	1	0	0	0	0	0	0	0	0	0	1	4
				11–27	10	0	0	0	0	0	0	0	0	1	2	13	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	**12**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**14**	**30**
1800	1	0	0	1–10	8	0	0	0	0	0	0	0	0	2	10	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	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**11**	**8**	**29**
2100	1	0	0	1–10	1	0	0	0	0	0	0	0	1	12	11	2	27
				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	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**12**	**11**	**3**	**29**

TABLE A 10 NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

KHARGA SEPTEMBER 1961

Hour (U.T.)	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	4	0	0	0	0	0	0	0	0	0	0	0	4
				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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**
0300	22	0	0	1–10	5	1	0	0	0	0	0	0	0	0	0	0	6
				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	**7**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**
0600	13	0	0	1–10	13	0	0	0	0	0	0	0	0	0	0	0	13
				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**	**0**	**17**
0900	6	0	0	1–10	13	0	1	0	0	0	0	0	0	0	0	1	15
				11–27	8	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
				>48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**21**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**24**
1200	3	0	0	1–10	15	0	0	0	0	0	0	0	0	0	0	1	16
				11–27	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
				>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**	**1**	**27**
1500	7	0	0	1–10	13	2	0	0	0	0	0	0	0	0	0	0	15
				11–27	7	1	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	**20**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**23**
1800	26	0	0	1–10	4	0	0	0	0	0	0	0	0	0	0	0	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 sppeds	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**
2100	28	0	0	1–10	2	0	0	0	0	0	0	0	0	0	0	0	2
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	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**	**0**	**0**	**2**

TABLE A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

TOR (A)—SEPTEMBER 1961

Hour (U.T.)	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	0	8	3	13
				11—27	0	0	0	0	0	0	0	0	0	0	7	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	2	0	0	0	0	0	0	0	0	0	15	6	23
0300	8	0	0	1—10	0	0	0	0	0	0	0	0	0	0	8	5	13
				11—27	0	0	0	0	0	0	0	0	0	0	9	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	0	17	5	22
0600	1	0	0	1—10	0	0	0	0	0	0	0	0	0	1	11	6	18
				11—27	0	0	0	0	0	0	0	0	0	0	9	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	0	0	0	0	0	1	20	8	29
0900	0	0	0	1—10	0	0	0	0	0	0	0	0	0	1	3	2	6
				11—27	0	0	0	0	0	0	0	0	0	2	20	2	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	3	23	4	30
1200	0	0	0	1—10	0	0	0	0	0	0	0	0	0	0	3	1	4
				11—27	0	0	0	0	0	0	0	0	0	2	20	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	0	0	0	0	0	0	0	0	0	2	23	5	30
1500	1	0	0	1—10	0	0	0	0	0	0	0	0	0	0	11	3	14
				11—27	0	0	0	0	0	0	0	0	0	2	10	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	0	0	0	0	0	0	0	0	0	2	21	6	29
1800	8	0	0	1—10	0	0	0	0	0	0	0	0	0	0	12	5	17
				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	0	0	0	0	0	0	0	15	7	22
2100	9	0	0	1—10	3	0	0	0	0	0	0	0	0	1	5	2	11
				11—27	0	0	0	0	0	0	0	0	0	0	9	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	0	0	0	0	0	0	0	0	1	14	3	21

TABLE A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

HURGHADA—SEPTEMBER 1961

Hour (U.T.)	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	9	2	11
				11—27	0	0	0	0	0	0	0	0	0	1	9	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	0	0	0	0	0	0	0	0	0	1	18	11	30
0300	0	0	0	1—10	0	0	0	0	0	0	0	0	0	1	2	5	8
				11—27	0	0	0	0	0	0	0	0	0	0	6	15	21
				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	8	21	30
0600	0	0	0	1—10	0	0	0	0	0	0	0	0	0	0	0	2	2
				11—27	1	0	0	0	0	0	0	0	0	0	0	27	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	1	0	0	0	0	0	0	0	0	0	0	29	30
0900	0	0	0	1—10	0	1	0	0	0	0	0	0	0	0	0	0	1
				11—27	21	0	0	0	0	0	0	0	0	0	0	8	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	21	1	0	0	0	0	0	0	0	0	0	8	30
1200	0	0	0	1—10	1	0	0	0	0	0	0	0	0	0	0	0	1
				11—27	25	4	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 speds	26	4	0	0	0	0	0	0	0	0	0	0	30
1500	0	0	0	1—10	2	0	0	0	1	0	0	0	0	0	0	0	3
				11—27	18	0	0	0	0	0	0	0	0	0	0	9	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	20	0	0	0	1	0	0	0	0	0	0	9	30
1800	0	0	0	1—10	0	0	0	0	0	0	0	0	1	1	0	2	4
				11—27	0	0	0	0	0	0	0	0	0	1	5	20	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	0	0	0	0	0	0	0	0	1	2	5	22	30
2100	0	0	0	1—10	0	0	0	0	0	0	0	0	0	2	10	5	17
				11—27	0	0	0	0	0	0	0	1	0	1	6	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	0	0	0	0	0	0	0	1	0	3	16	10	30

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

QUSEIR—SEPTEMBER 1961

Hour (U.T.)	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	0	8	11	5	24
				11–27	0	0	0	0	0	0	0	0	0	1	1	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	0	0	0	9	12	7	28
0300	0	0	0	1–10	0	0	0	0	0	0	0	0	0	8	9	6	23
				11–27	0	0	0	0	0	0	0	0	0	0	1	6	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	0	0	0	0	0	0	0	8	10	12	30
0600	0	0	0	1–10	0	0	0	0	0	0	0	0	0	0	2	0	2
				11–27	5	0	0	0	0	0	0	0	0	0	2	21	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	5	0	0	0	0	0	0	0	0	0	4	21	30
0900	0	0	0	1–10	1	0	0	0	0	0	0	0	0	0	0	1	2
				11–27	19	2	0	0	0	0	0	0	0	0	0	7	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	20	2	0	0	0	0	0	0	0	0	0	8	30
1200	0	0	0	1–10	1	0	0	0	0	0	0	0	0	0	0	0	1
				11–27	19	7	0	0	0	0	0	0	0	0	0	3	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	20	7	0	0	0	0	0	0	0	0	0	3	30
1500	0	0	0	1–10	11	1	0	1	0	0	0	0	0	0	0	8	21
				11–27	3	0	0	0	0	0	0	0	0	0	0	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	14	1	0	1	0	0	0	0	0	0	0	14	30
1800	7	0	0	1–10	0	0	0	0	0	0	0	0	0	7	3	9	19
				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	0	0	0	0	0	0	0	0	0	7	3	13	23
2100	7	0	0	1–10	0	0	0	0	0	0	0	0	0	12	6	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	0	0	0	0	0	0	0	0	0	12	6	5	23

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 0000 U. T. — SEPTEMBER 1961

Pressuse surfase (millibar)	Heights of pressure surfaces (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station . .	30	995mb.	1000mb.	993mb.	30	20.9	24.0	17.6	30	13.4
1000	30	104	140	84	—	—	—	—	—	—
850	30	1490	1510	1474	30	15.7	20.7	12.0	25	— 1.0
700	30	3119	3170	3090	30	9.6	13.9	6.2	4	—14.7
600	30	4388	4447	4340	30	4.1	8.0	1.7	—	—
500	30	5849	5930	5801	30	— 4.3	0.3	— 7.4	—	—
400	30	7572	7676	7500	30	—15.7	12.2	—18.7	—	—
300	29	9676	9810	9614	29	—30.6	—27.3	—32.9	—	—
200	29	12408	12517	12343	29	—50.6	—48.0	—52.4	—	—
150	29	14265	14447	14160	29	—63.0	—61.0	—65.2	—	—
100	25	16696	16866	16588	25	—73.5	—69.0	—79.0	—	—
60	15	19756	19815	19668	15	—61.8	—57.8	—64.4	—	—
40	14	22312	22391	22211	14	—55.3	—51.6	—58.0	—	—
30	8	24146	24270	24057	8	—50.6	—48.0	—52.2	—	—
20	3	26759	26805	26701	3	—48.7	—47.2	—50.5	—	—
10	—	—	—	—	—	—	—	—	—	

N = Number of observations of specified pressure surfaces.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 1200 U. T. — SEPTEMBER 1961

Pressuse surface (millibar)	Heights of pressure surfaces (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station . .	30	994mb.	998mb.	991mb.	30	30.2	36.0	27.0	30	9.7
1000	30	96	124	68	—	—	—	—	—	—
850	30	1503	1528	1480	30	15.7	21.4	12.4	29	3.2
700	30	3132	3172	3092	30	9.7	15.3	6.8	3	—10.4
600	30	4396	4460	4348	30	3.8	8.7	0.6	1	—18.8
500	30	5857	5945	5797	30	— 4.3	1.8	— 8.7	—	—
400	30	7581	7695	7502	30	—15.7	—11.3	—20.5	—	—
300	30	9691	9839	9610	30	—30.0	—25.7	—32.4	—	—
200	29	12455	12624	12310	29	—49.0	—48.7	—53.1	—	—
150	28	14278	14466	14122	28	—63.1	—60.1	—66.1	—	—
100	26	16708	16901	16615	26	—73.5	—70.2	—84.4	—	—
60	18	19789	19944	19701	18	—60.7	—57.0	—65.6	—	—
40	14	22361	22528	22212	14	—52.1	—49.7	—55.0	—	—
30	7	24207	24297	24098	7	—48.9	—47.7	—51.2	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Number of observations of specified pressure surfaces.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A)—0000 U. T. — SEPTEMBER 1961

Pressure surface (millibar)	Heights of pressure surfaces (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station . .	30	1010mb.	1016mb.	1008mb.	30	21.9	24.0	17.3	30	15.9
1000	30	135	179	111	30	21.3	23.1	17.2	30	15.4
850	30	1522	1550	1501	30	13.1	19.4	8.2	26	0.5
700	30	3136	3177	3104	30	7.1	11.4	4.4	6	—11.3
600	30	4387	4443	4345	30	0.1	4.2	—3.4	2	—15.2
500	30	5823	5898	5775	30	—8.6	—3.0	—12.5	1	—24.8
400	30	7520	7615	7448	30	—19.1	—14.5	—24.4	—	—
300	30	9603	9714	9501	30	—32.7	—29.9	—37.1	—	—
200	30	12346	12468	12229	30	51.8	—49.6	—54.2	—	—
150	30	14160	14278	14045	30	—63.9	—60.9	—68.0	—	—
100	28	16581	16702	16476	28	—72.3	—64.8	—78.8	—	—
60	15	19682	19807	19589	15	—62.5	—59.1	—64.4	—	—
40	8	22262	22370	22112	8	—54.8	—52.0	—58.0	—	—
30	4	24061	24230	23944	4	—52.7	—50.3	—56.0	—	—
20	1	26905	—	—	1	—45.4	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Number of observations of specified pressure surfaces.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) -1200 U. T. — SEPTEMBER 1961

Pressure surface (millibar)	Heights of pressure surfaces (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station . .	30	1010mb.	1016mb.	1007mb.	30	25.4	27.5	22.5	30	16.4
1000	30	136	180	104	30	24.3	27.9	21.2	30	15.6
850	30	1530	1560	1502	30	14.2	22.8	7.7	26	0.1
700	30	3149	3215	3107	30	7.6	13.1	4.5	4	-9.8
600	30	4404	4491	4351	30	1.0	6.8	-2.1	—	—
500	30	5845	5961	5777	30	7.7	2.3	12.0	—	—
400	30	7547	7695	7448	30	-18.4	11.6	-24.3	—	—
300	30	9638	9816	9497	30	-31.7	27.9	36.3	—	—
200	30	12394	12605	12222	30	-50.4	47.6	-53.6	—	—
150	29	14234	14446	14043	29	-62.4	60.3	64.8	—	—
100	28	16661	16878	16509	28	71.3	65.2	76.4	—	—
60	21	19765	19881	19646	21	-59.7	-52.4	63.6	—	—
40	12	22321	22416	22249	12	-52.6	48.7	55.0	—	—
30	6	24161	24212	24109	6	-49.5	48.3	50.8	—	—
20	2	26857	26893	26822	2	-44.3	-44.3	44.4	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Number of observations of specified pressure surfaces.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A)—0000 U. T. — SEPTEMBER 1961

Pressuse surface (millibar)	Heights of pressure surfaces (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station . .	30	997mb.	999mb.	994mb.	30	25.1	30.0	21.0	30	7.0
1000	—	—	—	—	—	—	—	—	—	—
850	30	1495	1513	1475	30	19.7	23.8	15.4	26	1.6
700	30	3139	3165	3096	30	11.4	15.2	8.0	12	— 6.2
600	30	4407	4464	4351	30	3.3	7.1	— 1.3	9	—11.4
500	30	5833	5911	5799	30	— 4.9	0.0	— 8.6	—	—
400	30	7584	7651	7504	30	—16.3	— 9.9	—20.2	—	—
300	29	9685	9821	9626	29	—31.0	—21.8	—34.0	—	—
200	27	12453	12709	12366	27	—51.3	—37.8	—54.1	—	—
150	22	14274	14654	14143	22	—64.8	—48.0	—71.1	—	—
100	18	16657	16768	16583	18	—77.8	—72.3	—84.2	—	—
60	7	19706	19800	19569	7	—63.9	—61.5	—67.8	—	—
40	4	22254	22293	22230	4	—55.6	—53.7	—57.0	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Number of observations of specified pressure surfaces.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A)—1200 U. T. — SEPTEMBER 1961

Pressure surface (millibar)	Heights of pressure surfaces (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station . .	30	996mb.	999mb.	993mb.	30	36.3	42.2	33.1	30	10.1
1000	—	—	—	—	—	—	—	—	—	—
850	30	1518	1535	1498	30	22.2	30.7	17.8	26	— 2.7
700	30	3177	3216	3147	30	13.3	19.2	10.4	9	— 8.3
600	30	4451	4520	4414	30	5.0	10.8	0.7	6	—15.1
500	30	5913	6012	5864	30	— 3.2	0.6	— 6.1	—	—
400	30	7648	7762	7585	30	—14.1	—11.5	—17.3	—	—
300	26	9764	9904	9667	26	—30.0	—26.8	—32.5	—	—
200	24	12536	12702	12450	24	50.9	—44.8	—53.0	—	—
150	23	14340	14532	14251	23	—64.8	—58.8	—67.0	—	—
100	18	16773	16948	16652	18	—76.5	—73.9	—78.9	—	—
60	12	19793	20017	19684	12	—63.0	—59.0	—64.8	—	—
40	5	22325	22552	22216	5	—58.6	—56.0	—62.1	—	—
30	2	24100	24143	24067	2	—55.3	—54.0	—56.6	—	—
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 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000 - 360)	Speed in knots
	(N)	(N)	(N)							(N)		(N)										
Mersa Matruh (A)	4402 (30)	598 (30)	— 8.0 (1)	5120	550	—	3780	650	— 8.0	14564 (28)	142 (28)	—66.5 (28)	16260	107	—74.6	11300	235	—42.8	12500	194	220	102
Helwan	5112 (30)	549 (30)	—	5960	497	—	4560	585	—	14550 (20)	144 (20)	—65.0 (20)	15730	118	—73.7	12520	198	—52.9	12900	183	220	113
Aswan . . .(A)	4951 (30)	561 (30)	—12.8 (6)	5880	502	—	4240	611	—17.2	15258 (14)	128 (14)	—71.7 (14)	16150	108	—78.7	13310	177	—57.0	16800	—	140	52

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 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000 - 360)	Speed in knots
	(N)	(N)	(N)							(N)		(N)										
Mersa Matruh (A)	4587 (30)	583 (30)	—	5540	526	—	4020	626	—	14537 (28)	143 (28)	—65.1 (28)	15828	118	—71.6	12400	197	—53.2	12600	188	250	101
Helwan	5140 (30)	547 (30)	—	6220	482	—	4440	593	—	14400 (24)	148 (24)	—63.8 (24)	15900	114	—72.5	12200	210	—49.4	13200	177	230	96
Aswan . . . (A)	5326 (30)	540 (30)	—	6100	493	—	4490	594	—	15657 (17)	122 (17)	—72.3 (17)	18000	83	—73.5	14341	150	—65.9	14200	153	170	070

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 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

pressure surface (millibar)	Wind between specified ranges of direction (000-360)																								Number of calm winds	Total number of observations (TN)	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 of station	7	10	0	—	1	10	0	—	0	—	0	—	0	—	0	—	3	8	5	9	4	12	9	16	1	30	10
1000	7	10	0	—	1	10	0	—	0	—	0	—	0	—	0	—	3	8	5	9	4	12	9	16	1	30	10
850	10	12	0	—	1	15	0	—	0	—	0	—	0	—	0	—	1	7	3	10	5	12	10	13	0	30	12
700	3	11	1	10	0	—	0	—	1	2	0	—	0	—	0	—	2	11	7	14	12	10	4	13	0	30	11
600	0	—	0	—	0	—	0	—	0	—	1	4	0	—	2	16	5	17	12	17	6	19	4	6	0	30	15
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	22	12	28	12	22	2	25	0	—	0	30	25
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	36	15	34	8	30	3	31	0	—	0	30	33
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	49	17	42	6	37	1	70	0	—	0	29	43
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	57	16	39	4	50	0	—	0	—	0	27	45
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	31	7	32	3	47	0	—	0	—	0	13	35
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	26	4	32	1	28	0	—	0	—	0	8	29
60	0	—	0	—	0	—	1	9	0	—	0	—	0	—	1	25	0	—	1	10	0	—	0	—	0	3	15
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 1961

N= The number of cases the wind has been observed from the range of direction during the month

TN = The total number of cases the wind has been observed for all directions during the month.

pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	10	13	1	10	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	14	15	14	0	30	14
1000	10	13	1	10	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	14	15	14	0	30	14
850	8	12	1	8	0	—	0	—	0	—	0	—	0	—	0	—	2	8	3	15	7	11	9	14	0	30	12
700	3	11	3	7	1	4	0	—	0	—	0	—	0	—	1	8	3	11	8	13	8	12	3	12	0	30	11
600	3	9	1	4	0	—	0	—	0	—	0	—	0	—	2	11	8	14	8	16	7	11	1	7	0	30	12
500	0	—	0	—	0	—	0	—	0	—	0	—	1	15	3	10	11	22	12	24	3	14	0	—	0	30	20
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	44	18	30	8	29	0	—	1	11	0	29	30
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	53	14	48	10	46	0	—	0	—	0	29	48
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	46	10	61	10	47	0	—	0	—	0	27	52
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	43	12	44	5	36	0	—	0	—	0	22	42
100	0	—	0	—	0	—	0	—	1	12	0	—	0	—	2	59	10	37	0	—	0	—	0	—	0	13	38
60	0	—	0	—	0	—	1	20	0	—	0	—	0	—	1	8	0	—	0	—	0	—	0	—	0	2	14
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

HELWAN 0000 U.T. SEPTEMBER 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	6	14	3	15	1	4	2	6	0	—	1	7	0	—	0	—	0	—	5	12	4	18	7	14	0	29	13
700	3	8	3	12	0	—	0	—	0	—	0	—	1	5	1	8	0	—	10	13	9	14	3	12	0	30	12
600	2	10	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	19	10	21	9	14	1	17	1	30	17
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	26	13	27	11	28	5	18	0	—	0	30	26
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	20	16	36	10	30	2	22	0	—	0	29	33
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	23	17	42	9	31	0	—	0	—	0	29	37
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	55	12	40	5	31	0	—	0	—	0	24	42
150	0	—	0	—	0	—	0	—	0	—	0	—	1	18	12	40	5	35	2	51	0	—	0	—	0	20	39
100	0	—	0	—	0	—	0	—	0	—	0	—	3	33	4	32	0	—	1	23	0	—	0	—	0	8	31
60	0	—	0	—	1	17	1	26	0	—	0	—	2	14	1	15	0	—	0	—	0	—	0	—	0	5	17
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

HELWAN 1200 U.T. SEPTEMBER 1961

N= The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	6	10	8	10	2	7	0		0				0		0		0		2	14	6	11	6	12	0	30	11
700	1	8	0		1	9	1	10	0		0		0		2	8	5	12	13	12	5	15	2	8	0	30	12
600	0	—	1	5	0	—	0	—	0	—	0		0	—	2	12	14	22	6	16	6	20	1	12	0	30	19
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	22	15	27	8	26	4	22	0	—	0	30	26
400	0	—	0	—	0	—	0	—	0		0		0		2	30	15	34	10	29	3	20	0	—	0	30	31
300	0	—	0	—	0	—	0	—	0		0		0		4	27	16	41	8	31	1	25	0	—	0	29	36
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	11	37	11	40	5	32	0	—	0	—	0	27	37
150	0	—	0	—	0	—	0	—	0		0	—	3	22	10	33	8	44	2	39	0	—	0	—	0	23	36
100	0	—	0	—	0	—	0	—	1	5	2	13	2	36	2	24	3	16	0	—	0	—	0	—	0	10	20
60	0	—	0	—	0	—	0	—	1	12	2	22	0	—	0		0	—	0	—	0	—	0	—	0	3	18
40	0	—	0	—	0	—	1	13	1	17	0	—	0	—	0		0	—	0	—	0	—	0	—	0	2	15
30	0	—	0	—	0	—	1	17	1	15	0	—	0	—	0		0	—	0	—	0	—	0	—	0	2	16
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 (A) 0000 U.T. SEPTEMBER 1961

N= The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	15	7	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	8	13	30	4
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	7	10	4	15	1	6	1	4	0	—	0	—	0	—	4	6	2	11	10	9	0	—	1	13	0	30	9
700	0	—	0	—	0	—	1	5	0	—	0	—	1	5	4	16	12	19	11	17	1	8	0	—	0	30	17
600	0	—	2	8	0	—	0	—	0	—	0	—	4	6	2	10	14	19	6	13	1	12	1	7	0	30	14
500	1	5	1	6	2	9	4	7	0	—	2	10	4	10	5	9	6	15	2	10	1	13	2	6	0	30	10
400	1	6	2	10	2	12	1	8	6	10	0	—	7	14	7	13	2	6	1	4	0	—	1	5	0	30	11
300	0	—	2	22	0	—	1	15	5	12	2	14	10	18	5	19	4	10	0	—	0	—	0	—	0	29	16
200	0	—	1	21	0	—	1	28	6	18	5	20	8	24	1	13	2	12	1	10	0	—	0	—	0	25	20
150	0	—	0	—	0	—	0	—	4	15	7	24	4	26	3	25	0	—	0	—	0	—	0	—	0	18	23
100	0	—	0	—	0	—	0	—	4	25	2	16	2	21	0	—	0	—	0	—	0	—	0	—	0	8	29
60	0	—	0	—	0	—	1	16	1	29	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	2	22
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 (A) 1200 U.T. SEPTEMBER 1961

N= The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	18	6	2	6	0	—	0	—	0	—	0	—	0	—	0	—	—	0	0	—	0	—	0	—	10	30	4
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	2	9	1	5	0	—	0	—	0	—	0	—	0	—	0	—	0	—	9	12	9	12	8	12	1	30	11
700	1	8	0	—	0	—	0	—	0	—	0	—	0	—	2	12	20	23	7	13	0	—	0	—	0	30	19
600	1	9	0	—	3	7	1	14	0	—	0	—	1	14	5	15	12	22	6	16	1	4	0	—	0	30	16
500	0	—	2	8	2	11	4	17	1	16	0	—	6	10	8	12	4	8	2	5	0	—	0	—	1	30	11
400	0	—	0	—	1	10	4	10	4	14	0	—	6	9	7	11	4	12	1	27	1	8	1	3	1	30	11
300	0	—	0	—	1	10	4	9	2	18	2	8	6	14	6	17	2	7	0	—	0	—	0	—	1	24	12
200	0	—	0	—	0	—	1	7	4	14	7	19	5	27	5	21	1	8	0	—	0	—	0	—	0	23	20
150	0	—	0	—	0	—	2	20	4	18	5	29	4	45	2	16	0	—	1	13	0	—	0	—	0	18	27
100	0	—	0	—	0	—	1	24	2	34	3	29	0	—	1	16	0	—	0	—	0	—	0	—	0	7	28
60	0	—	0	—	0	—	0	—	2	28	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	2	28
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO - METEOROLOGICAL STATION AT GIZA SEPTEMBER 1961

This month was rather cool and dry compared with the normal values for air temperature and humidity during September. The mean air temperature at 2 metres above ground and the mean relative humidity were below normal (-0.9°C & -7% respectively). A warm spell occurred in the period 9th-11th and gave the highest air temperature for the month (36.9°C) and the lowest relative humidity (22%) on the 11th.

The absolute maximum soil temperatures in the dry field were in general higher than the corresponding values of last September; the maximum difference being 2.0°C at 0.3 cm depth. The absolute minimum soil temperatures at depths between 0.3 and 100 cms. inclusive in the dry field, were lower than the corresponding values of last September; the maximum difference being 2.1°C at 100 cms depth. At 200cms depth the absolute minimum soil temperature was 0.3 °C higher than the corresponding value of September 1960.

For the month as a whole, the daily mean wind speed at 2 metres above ground, was slightly less than the corresponding value of last September (-0.2 m/sec). The daily mean values of Piche evaporation, water pan evaporation, potential evaporation and potential evapotranspiration were — 0.9, — 0.54, — 1.4, & -1.4mms. less than the corresponding values of last September. The total actual duration of bright sunshine was 7.5 hours higher than the corresponding value of September 1960.

REVIEW OF AGRO - METEOROLOGICAL STATION AT TAHRIR SEPTEMBER 1961

This month was cooler and drier than September of the last year. A moderate heat wave occurred in the period from 9th to 11th, giving the extreme maximum air temperature and the highest value of vapour pressure on the 9th, and the extreme minimum relative humidity on the 11th.

The deviations of the mean air temperature, relative humidity and vapour pressure from last year's values were respectively — 1.4°C, — 3% & — 1.6 mm.

The highest readings of soil temperature were slightly higher than last year between 0.3cm. and 2 cms., while at greater depths (5-100 cms.) they were lower; the difference being in any case less than a whole degree and vanishing at 100 cms depth.

The lowest readings of soil temperature were lower at all depths than last September, the difference varying between 0.9°C and 2.3°C.

Total radiation was practically the same as last year, while Piche evaporation was exactly the same. Sunshine duration was 3% of the possible less than last year.

TABLE C 1—AIR TEMPERATURES AT 2 METRES ABOVE GROUND; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5 CMS ABOVE GROUND ON DIFFERENT FIELDS

GIZA — SEPTEMBER 1961

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	31.4	17.8	25.1	23.4	27.2	24.0	24.0	24.0	24.0	24.0	20.0	12.0	5.0	0.0	0.0	0.0
2	31.6	18.4	25.0	22.6	27.0	24.0	24.0	24.0	24.0	24.0	20.0	12.0	3.0	0.0	0.0	0.0
3	31.8	19.7	25.3	23.1	27.1	24.0	24.0	24.0	24.0	24.0	23.5	12.0	3.0	0.0	0.0	0.0
4	30.5	20.0	24.8	23.4	26.7	24.0	24.0	24.0	24.0	24.0	24.0	11.0	0.0	0.0	0.0	0.0
5	29.9	17.2	24.2	21.6	26.0	24.0	24.0	24.0	24.0	24.0	18.0	11.0	0.0	0.0	0.0	0.0
6	31.3	18.4	24.7	22.1	26.8	24.0	24.0	24.0	24.0	24.0	17.5	12.5	3.0	0.0	0.0	0.0
7	32.0	20.4	25.8	23.2	27.9	24.0	24.0	24.0	24.0	24.0	24.0	12.5	6.0	0.0	0.0	0.0
8	33.0	18.7	25.7	22.8	28.3	24.0	24.0	24.0	24.0	24.0	19.5	13.0	7.0	0.0	0.0	0.0
9	34.9	16.9	25.7	22.5	28.0	24.0	24.0	24.0	24.0	24.0	19.0	12.5	8.0	0.0	0.0	0.0
10	34.4	21.9	27.0	25.2	29.0	24.0	24.0	24.0	24.0	24.0	24.0	13.0	7.0	0.0	0.0	0.0
11	36.9	17.0	26.4	22.6	29.4	24.0	24.0	24.0	24.0	24.0	18.5	13.5	8.0	3.0	0.0	0.0
12	31.3	19.6	24.8	23.9	26.7	24.0	24.0	24.0	24.0	24.0	24.0	10.5	0.5	0.0	0.0	0.0
13	29.4	17.5	23.4	21.4	25.0	24.0	24.0	24.0	24.0	24.0	17.5	9.5	0.0	0.0	0.0	0.0
14	29.4	15.8	23.5	20.6	25.7	24.0	24.0	24.0	24.0	24.0	17.0	10.5	0.0	0.0	0.0	0.0
15	30.9	18.3	24.2	21.7	26.4	24.0	24.0	24.0	24.0	24.0	17.5	11.0	0.0	0.0	0.0	0.0
16	30.5	19.0	24.2	22.3	26.3	24.0	24.0	24.0	24.0	24.0	20.0	10.5	0.0	0.0	0.0	0.0
17	31.4	16.8	24.4	21.8	26.7	24.0	24.0	24.0	24.0	24.0	17.0	11.0	1.5	0.0	0.0	0.0
18	30.9	16.9	24.1	21.2	26.8	24.0	24.0	24.0	24.0	24.0	17.0	12.0	1.5	0.0	0.0	0.0
19	32.9	18.1	24.8	22.2	26.9	24.0	24.0	24.0	24.0	24.0	18.5	13.5	3.5	0.0	0.0	0.0
20	31.4	17.7	24.6	22.8	26.9	24.0	24.0	24.0	24.0	24.0	20.0	11.0	2.5	0.0	0.0	0.0
21	30.9	17.1	24.3	22.4	26.4	24.0	24.0	24.0	24.0	24.0	20.0	11.5	0.0	0.0	0.0	0.0
22	32.4	15.6	23.4	20.4	26.0	24.0	24.0	24.0	24.0	24.0	17.5	10.0	3.0	0.0	0.0	0.0
23	29.8	17.3	22.7	20.8	25.1	24.0	24.0	24.0	24.0	24.0	16.0	7.5	0.0	0.0	0.0	0.0
24	28.4	14.8	21.7	19.5	24.2	24.0	24.0	24.0	24.0	24.0	14.0	7.0	0.0	0.0	0.0	0.0
25	29.0	13.7	21.9	18.7	24.5	24.0	24.0	24.0	24.0	22.5	15.5	8.0	0.0	0.0	0.0	0.0
26	29.0	16.8	22.7	20.6	25.0	24.0	24.0	24.0	24.0	24.0	14.5	8.5	0.0	0.0	0.0	0.0
27	28.5	14.6	21.6	19.3	24.2	24.0	24.0	24.0	24.0	24.0	14.0	6.5	0.0	0.0	0.0	0.0
28	27.8	13.8	21.3	18.6	23.7	24.0	24.0	24.0	24.0	22.0	16.0	6.0	0.0	0.0	0.0	0.0
29	28.3	13.9	21.4	19.3	23.6	24.0	24.0	24.0	24.0	22.5	15.0	6.5	0.0	0.0	0.0	0.0
30	28.4	14.2	21.9	19.2	24.2	24.0	24.0	24.0	24.0	23.5	16.0	8.0	0.0	0.0	0.0	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	**720.0**	**720.0**	**720.0**	**720.0**	**714.5**	**555.0**	**314.0**	**62.5**	**3.0**	**0.0**	**0.0**
Mean	31.0	17.3	24.0	21.6	26.3	24.0	24.0	24.0	24.0	23.8	18.5	10.5	2.1	0.1	0.0	0.0

Highest Maximum At 2 Metres 36.9°C On 11*th*

Lowest Maximum At 2 Metres 27.8°C On 28*th*

Highest Minimum at 2 Metres 21.9°C On 10*th*

Lowest Minimum At 2 Metres 13.7°C On 25*th*

Absolute Minimum Temperature At 5 cms. Above Dry Soil 10.0 °C On 30*th*.

" " " " " Wet Soil 10.8 °C On 30*th*.

" " " " " Grass 9.0 °C On 30*th*.

TABLE C 1—AIR TEMPERATURES AT 2 METRES ABOVE GROUND; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5 CMS ABOVE GROUND ON DIFFERENT FIELDS

TAHRIR — SEPTEMBER 1961

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	32.4	19.2	24.7	22.0	27.3	24.0	24.0	24.0	24.0	24.0	20.5	11.0	5.0	0.0	0.0	0.0
2	32.6	18.8	24.8	21.5	27.4	24.0	24.0	24.0	24.0	24.0	18.0	11.0	4.5	0.0	0.0	0.0
3	31.8	14.4	25.2	22.6	27.5	24.0	24.0	24.0	24.0	24.0	22.5	12.0	3.5	0.0	0.0	0.0
4	30.2	19.2	24.1	22.3	26.3	24.0	24.0	24.0	24.0	24.0	21.5	10.5	0.0	0.0	0.0	0.0
5	31.1	17.5	23.7	20.7	26.2	24.0	24.0	24.0	24.0	24.0	17.5	10.0	1.0	0.0	0.0	0.0
6	32.0	17.4	24.2	21.2	26.8	24.0	24.0	24.0	24.0	24.0	18.5	10.0	4.0	0.0	0.0	0.0
7	32.4	17.9	24.6	21.2	27.6	24.0	24.0	24.0	24.0	24.0	17.5	11.5	5.0	0.0	0.0	0.0
8	33.9	16.2	24.8	20.9	28.1	24.0	24.0	24.0	24.0	24.0	16.5	11.0	7.0	0.0	0.0	0.0
9	36.6	18.8	26.2	21.8	29.8	24.0	24.0	24.0	24.0	24.0	19.5	11.5	7.5	2.5	0.0	0.0
10	34.8	21.7	27.0	24.0	29.8	24.0	24.0	24.0	24.0	24.0	24.0	12.5	7.5	0.0	0.0	0.0
11	36.0	21.4	26.6	23.5	29.7	24.0	24.0	24.0	24.0	24.0	24.0	11.5	7.5	2.0	0.0	0.0
12	30.6	19.9	24.5	23.2	26.6	24.0	24.0	24.0	24.0	24.0	24.0	10.0	0.0	0.0	0.0	0.0
13	29.1	17.6	23.0	21.0	25.4	24.0	24.0	24.0	24.0	24.0	19.0	8.5	0.0	0.0	0.0	0.0
14	30.1	16.7	23.1	20.3	25.7	24.0	24.0	24.0	24.0	24.0	16.5	9.0	0.0	0.0	0.0	0.0
15	30.6	18.1	23.9	20.8	26.6	24.0	24.0	24.0	24.0	24.0	17.5	10.0	0.0	0.0	0.0	0.0
16	30.6	18.2	23.8	21.4	26.4	24.0	24.0	24.0	24.0	24.0	18.0	9.5	0.5	0.0	0.0	0.0
17	31.3	16.9	23.8	20.6	26.5	24.0	24.0	24.0	24.0	24.0	17.0	10.5	1.5	0.0	0.0	0.0
18	32.3	18.9	24.5	21.9	27.0	24.0	24.0	24.0	24.0	24.0	20.0	10.0	3.5	0.0	0.0	0.0
19	33.7	18.3	25.1	21.7	27.9	24.0	24.0	24.0	24.0	24.0	19.5	12.0	5.5	0.0	0.0	0.0
20	31.2	18.7	24.0	22.3	26.6	24.0	24.0	24.0	24.0	24.0	20.0	10.0	2.0	0.0	0.0	0.0
21	31.2	17.9	23.6	20.8	26.3	24.0	24.0	24.0	42.0	24.0	17.5	9.5	1.5	0.0	0.0	0.0
22	31.0	17.8	23.5	20.8	26.1	24.0	24.0	24.0	24.0	24.0	18.0	9.0	0.5	0.0	0.0	0.0
23	29.5	17.4	22.4	20.4	24.8	24.0	24.0	24.0	24.0	24.0	15.0	7.0	0.0	0.0	0.0	0.0
24	27.7	16.6	21.3	19.3	23.9	24.0	24.0	24.0	24.0	24.0	12.5	6.0	0.0	0.0	0.0	0.0
25	28.2	16.5	21.8	18.6	24.4	24.0	24.0	24.0	24.0	24.0	13.5	7.5	0.0	0.0	0.0	0.0
26	27.8	16.7	21.8	19.3	24.6	24.0	24.0	24.0	24.0	24.0	13.5	7.0	0.0	0.0	0.0	0.0
27	27.7	15.1	21.0	18.6	23.7	24.0	24.0	24.0	24.0	24.0	13.0	5.5	0.0	0.0	0.0	0.0
28	27.8	15.2	21.1	18.3	23.7	24.0	24.0	24.0	24.0	24.0	12.5	6.0	0.0	0.0	0.0	0.0
29	27.7	15.8	21.2	18.8	23.8	24.0	24.0	24.0	24.0	24.0	12.5	6.5	0.0	0.0	0.0	0.0
30	28.4	14.6	21.2	17.9	24.0	24.0	24.0	24.0	24.0	23.5	13.5	6.5	0.0	0.0	0.0	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	720.0	720.0	720.0	720.0	719.5	533.0	282.5	61.5	4.5	0.0	0.0
Mean	31.0	17.8	23.7	20.9	26.4	24.0	24.0	24.0	24.0	24.0	17.8	9.4	2.2	0.2	0.0	0.0

Highest Maximum At 2 Metres 36.6°C On 9*th*
Lowest Maximum At 2 Metres 27.7°C On 24,27*th*.
Highest Minimum At 2 Metres 21.7°C On 10*th*.
Lowest Minimum At 2 Metres 14.6°C On 30*th*

Absolute Minimum Temperature At 5 cms. Above Dry Soil 11.7 °C On 30*th*.
" " " " " Wet Soil — —
" " " " " Grass — —

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

GIZA — SEPTEMBER 1961

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 millimeters		Evaporation in millimeters		Amount of rainfall in millimeters
	Mean of the day	Nigh 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	2.1	1.2	3.3	564	10.9	12.8	85	0	1	70	36	14.6	11.9	12.7	9.36	0.0
2	2.0	1.4	2.9	539	10.1	12.8	79	1	7	66	37	14.1	11.9	12.3	9.72	0.0
3	1.8	1.3	2.4	511	10.0	12.7	79	0	8	67	41	15.0	13.2	11.6	8.57	0.0
4	2.4	1.8	3.1	537	9.6	12.7	76	2	8	64	36	13.6	11.1	13.3	9.96	0.0
5	2.2	1.7	3.0	564	10.8	12.6	86	0	5	61	40	13.2	12.1	13.0	8.61	0.0
6	2.5	1.6	3.7	537	10.4	12.6	83	4	8	62	38	13.4	12.7	15.3	10.91	0.0
7	3.1	2.6	3.8	547	10.6	12.6	84	4	8	55	39	13.3	13.4	14.2	10.79	0.0
8	2.5	2.0	3.2	572	10.4	12.6	83	4	7	64	31	14.0	10.8	14.1	10.14	0.0
9	1.6	1.1	2.3	486	8.6	12.6	68	5	10	68	35	15.5	14.2	11.2	8.32	0.0
10	2.3	1.9	2.8	528	9.9	12.5	79	0	8	62	35	14.5	13.4	12.7	9.68	0.0
11	1.4	0.7	2.4	534	10.1	12.5	81	3	10	64	22	13.2	9.6	13.7	9.73	0.0
12	2.0	1.3	3.0	487	9.7	12.5	78	3	8	68	39	14.4	12.1	11.6	8.70	0.0
13	1.9	1.0	3.0	538	10.4	12.4	84	0	6	64	41	12.8	11.6	11.3	8.33	0.0
14	2.0	1.3	3.1	550	10.2	12.4	82	1	6	62	43	13.4	12.4	11.2	8.21	0.0
15	1.8	1.0	2.9	516	10.1	12.4	81	2	8	68	49	14.9	15.2	10.8	6.99	0.0
16	1.8	1.5	2.3	511	10.1	12.3	82	2	8	70	39	14.2	11.9	10.3	7.14	0.0
17	1.5	0.9	2.5	544	10.0	12.3	81	2	7	64	26	12.4	8.4	11.0	7.62	0.0
18	1.2	0.4	2.3	510	9.4	12.3	76	2	8	65	42	14.4	13.1	10.2	7.48	0.0
19	1.3	1.0	1.6	479	10.3	12.2	84	4	8	66	29	12.9	9.8	11.2	7.42	0.0
20	1.8	1.3	2.4	501	10.4	12.2	85	2	8	60	38	12.9	12.1	12.8	8.59	0.0
21	1.8	1.3	2.4	453	9.0	12.2	74	0	4	62	42	13.7	13.0	10.0	7.85	0.0
22	1.5	0.7	2.7	511	10.1	12.2	83	3	7	64	28	12.6	9.7	11.2	8.21	0.0
23	2.0	0.9	3.6	511	9.4	12.1	78	0	4	64	37	12.1	10.7	12.3	8.30	0.0
24	1.5	0.7	2.5	521	10.2	12.1	84	0	3	58	39	11.0	10.8	10.6	8.24	0.0
25	2.1	1.0	3.7	505	10.1	12.1	83	1	6	62	39	11.7	11.3	13.5	8.95	0.0
26	2.6	1.9	3.5	492	10.3	12.0	86	0	1	63	41	12.1	11.4	12.5	6.93	0.0
27	2.1	1.4	3.1	464	10.2	12.0	85	0	7	62	42	11.7	11.7	10.4	6.49	0.0
28	1.7	0.9	2.9	498	10.2	12.0	85	0	7	62	44	11.8	11.7	10.1	6.51	0.0
29	1.6	0.9	2.6	498	9.9	12.0	82	2	6	64	45	11.9	11.8	10.2	7.06	0.0
30	2.0	1.1	3.2	488	10.2	11.9	86	0	7	60	43	11.8	11.8	12.6	8.08	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	**15496**	**301.6**	**370.6**	**2442**	**47**	**199**	—	—	—	—	**357.9**	**252.89**	**0.0**
Mean	1.9	1.3	2.9	516.5	10.1	12.4	81	1.6	6.6	64	38	13.2	11.8	11.9	8.43	0.0

Maximum Amount Of Rainfall In One Day . . . . . 0.0 mms. On —

Lowest Value Of Relative Humidity . . . . . 22 % On 11th

Highest Value Of Vapour Pressure . . . . . 18.6 mms. On 9th

Lowest Value Of Vapour pressure . . . . . 7.8 mms. On 17th

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

TAHRIR — SEPTEMBER 1961

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 millimeters		Evaporation in millimeters		Amount of rainfall in millimeters
	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	3.8	2.8	5.1	530	9.9	12.8	77	0	0	66	36	14.1	12.1	13.3	—	0.0
2	3.6	2.7	4.9	532	10.4	12.8	81	0	7	72	33	14.6	11.3	13.5	—	0.0
3	3.9	3.4	4.6	445	9.3	12.7	73	0	7	70	40	15.5	13.3	13.0	—	0.0
4	4.1	3.6	4.9	494	10.2	12.7	80	0	7	64	42	13.5	12.4	15.6	—	0.0
5	3.3	2.6	4.2	545	11.6	12.6	92	0	0	63	36	12.8	11.0	12.9	—	0.0
6	3.8	3.0	4.9	550	11.1	12.6	88	0	8	71	36	14.3	12.1	13.0	—	0.0
7	3.7	2.9	4.9	560	11.0	12.6	87	6	10	67	30	13.4	10.6	15.5	—	0.0
8	3.4	2.6	4.6	553	10.8	12.6	86	6	10	76	28	14.4	10.7	14.9	—	0.0
9	3.4	3.1	3.8	463	8.3	12.6	66	7	12	90	30	17.8	13.1	13.2	—	0.0
10	3.6	2.4	5.4	525	10.1	12.5	81	3	8	67	30	14.8	12.2	16.3	—	0.0
11	4.2	3.0	5.8	518	9.3	12.5	74	6	9	82	26	15.9	11.1	18.0	—	0.0
12	4.3	3.2	5.8	513	10.7	12.5	86	1	6	64	38	13.5	11.5	15.5	—	0.0
13	4.0	3.0	5.5	508	10.1	12.4	81	0	3	62	38	12.3	11.1	15.1	—	0.0
14	3.6	2.9	4.4	538	10.8	12.4	87	0	4	64	35	12.2	10.4	13.9	—	0.0
15	4.0	3.3	4.9	501	10.4	12.4	84	0	7	74	42	15.2	13.5	13.8	—	0.0
16	4.0	3.4	4.8	521	10.2	12.3	83	5	8	74	39	14.5	12.4	12.1	—	0.0
17	3.8	3.1	4.8	526	10.6	12.3	86	1	7	68	34	13.2	10.7	14.6	—	0.0
18	3.4	2.9	4.0	524	10.2	12.3	83	2	8	71	36	14.5	12.1	11.8	—	0.0
19	2.2	2.3	2.1	494	10.5	12.2	86	6	8	74	36	15.1	12.0	9.8	—	0.0
20	2.8	2.1	3.8	511	10.5	12.2	86	2	7	70	32	13.4	10.1	13.7	—	0.0
21	3.5	2.3	5.2	470	10.0	12.2	82	0	6	68	39	13.6	12.8	13.9	—	0.0
22	4.2	3.2	5.6	513	10.3	12.2	84	0	7	69	36	13.4	11.6	15.4	—	0.0
23	4.7	3.6	6.4	468	9.1	12.1	75	0	0	62	40	11.7	11.2	16.2	—	0.0
24	4.2	3.3	5.5	530	10.3	12.1	85	0	0	59	43	10.9	11.0	14.3	—	0.0
25	3.9	2.7	5.7	490	10.2	12.1	84	0	0	64	39	11.7	10.5	14.9	—	0.0
26	3.4	1.7	5.7	498	9.9	12.0	82	0	0	62	43	11.9	11.7	13.2	—	0.0
27	4.2	3.4	5.4	487	10.3	12.0	86	0	2	62	42	11.5	11.5	13.4	—	0.0
28	3.3	2.5	4.4	504	10.0	12.0	83	0	0	61	43	11.3	11.4	11.9	—	0.0
29	3.7	2.7	5.1	469	9.7	12.0	81	0	0	60	39	10.9	10.6	12.9	—	0.0
30	3.0	1.9	4.6	480	10.3	11.9	87	0	0	64	38	11.4	10.8	12.2	—	0.0
31	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—
Total	—	—	—	**1526.0**	**306.0**	**370.6**	—	**45.0**	**151.0**	—	—	—	—	**417.8**	—	**0.0**
Mean	3.7	2.9	4.9	508.7	10.2	12.4	83	1.5	5.0	68	37	13.4	11.6	13.9	—	—

Maximum Amount Of Rainfall In One Day . . . . . 0.0 mms. On —

Lowest Value Of Relative Humidity . . . . . 25 % On 11*th*

Highest Value Of Vapour Pressure . . . . . 20.8 mms. On 9*th*

Lowest Value Of Vapour Pressure . . . . . 8.7 mms. On 7 & 20*th*

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

GIZA—SEPTEMBER 1961

Depth in cms.	Dry Soil		Wet Soil		Grass	
	Highest C°	Lowest °C	Highest °C	Lowest C°	Highest °C	Lowest °C
0.3	58.0	14.0	34.0	15.0	34.9	16.8
1	54.0	15.4	31.4	15.0	30.0	18.2
2	52.0	16.5	30.5	15.5	29.6	19.2
5	41.4	20.9	31.0	17.3	28.9	19.6
10	37.0	24.9	30.2	19.0	28.0	21.0
20	33.6	28.0	28.6	20.6	27.4	22.6
50	33.1	29.7	26.5	22.9	27.5	24.3
100	31.6	30.2	25.5	23.7	26.4	25.1
200	29.3	29.0	23.9	23.7	24.9	24.6
300	27.3	26.8	—	—	—	—

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

TAHRIR—SEPTEMBER 1961

Depth in cms.	Dry Soil		Wet Soil		Grass	
	Highest C°	Lowest °C	Highest °C	Lowest C°	Highest °C	Lowest °C
0.3	53.0	14.0	—	—	—	—
1	50.6	15.0	—	—	—	—
2	48.6	15.4	—	—	—	—
5	43.5	17.8	—	—	—	—
10	38.7	20.1	—	—	—	—
20	33.5	24.2	—	—	—	—
50	31.4	26.8	—	—	—	—
100	30.7	27.9	—	—	—	—
200	29.2	28.3	—	—	—	—
300	28.1	27.8	—	—	—	—
600	25.6	25.1	—	—	—	—

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 1961

10 Knots or more	30 Days	30 Knots or more	0 Days
15 ,, ,, ,,	4 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	0 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	0 ,,	The highest gust 21 knots on 6th, 13th & 30th.	

Printed at the General Organization
for Government Printing Offices Cairo
Under-Secretary of State
ALY SULTAN ALY
Chairman of the Board of Directors

12336-1968-150

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 4 NUMBER 10

OCTOBER, 1961

U.D.C. 551, 506,1 (62)

MINISTRY OF SCIENTIFIC RESEARCH—METEOROLOGICAL DEPARTMENT
CAIRO

CONTENTS

Page

General Summary of Weather Conditions . . . . . 1 – 5

Surface Data

Table A 1.—Monthly Means Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level . . . . . 6 • 7

" A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours . . . . . 8 • 9

" A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity . . . . . 10•11

" A 4.—Maximum and Minimum Air Temperatures . . . . . 12•13

" A 5.—Rainfall and Snow Depth . . . . . 14•15

" A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 16

" A 7.—Soil Temperatures at Fixed Hours 17–19

" A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena . . . . . 20•21

" A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges . . . . . 22•23

" A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 24–46

Upper Air Data

Table B 1.—Upper Air Climatological Data. 47–49

" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air . . . . . 50•51

" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces 52–57

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir 58

Table C 1—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields. . . . . 59•60

" C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall . . . . . 61•62

" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields 63

" C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity 64

Note :—For explanatory notes on tables, please refer to volume 4 number 1(January 1961).

GENERAL SUMMARY OF WEATHER CONDITIONS

OCTOBER 1961

Generally mild day-time hours, rather cold night-time hours. Rainy most of the last week with heavy rain and thunderstorms on the 27th. Misty in the early morning most days over Cairo area.

THE MAIN FEATURES

Two prevailing heat waves with peaks round the 12th and the 24th.

Generally subnormal relative humidity in Upper Egypt district most days of the month and in Lower Egypt district most of the second ten days.

Two Travelling secondary depressions through North Egypt from the West to the East.

Monthly rainfall exceeding its normal over many localities in the North. Daily rainfall exceeded 15 mms in particular on the 27th.

Frequent mist in the early morning over the Delta and Cairo area districts.

GENERAL DESCRIPTION OF WEATHER

During this month, the prevailing weather was mild the day-time hours and rather cold the night-time hours and maximum temperature continued below its normal most days of the month.

Two heat waves of short durations intervened the month and attained their peaks round the 12th and 25th respectively particularly over the far interior districts. On the 12th maximum temperature reached 34°C (4°C above normal) at Minya and on the 25th it reached 40°C (5°C above normal) at Aswan.

Weather was unstable most of the last week and rain fell in variant amounts over the northern districts where it exceeded its normal and was accompanied sometimes with thunderstorms and lightning. On the 27th rain fell heavily and reached 24 mms at Alexandria, 21 mms at Mansoura, 17mms at Tanta and 16mms at Zagazig.

Early morning mist patches or low stratus developed over scattered parts of the Delta and Cairo areas.

The monthly mean values of various meteorological elements for different districts and their corresponding normals are given in the following table.

District	Atmospheric pressure (mb.) Corrected to M.S.L.			Air temperature (°C)						Relative humidity (%)			Total rainfall (mms)	
				Maximum (A)		Minimum (B)		(A+B)/2						
	Derivation of the mean values (a,c)	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Derivation of the mean values (a,e)	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	a	15.3	— 0.6	26.1	— 1.4	17.0	— 1.1	21.6	— 1.2	a	68	0	21.0	+14.7
Lower Egypt	c	15.5	+ 0.1	28.4	— 1.7	15.0	— 1.4	21.7	— 1.6	e	79	—1	13.6	+10.0
Cairo Area	a	14.7	— 0.4	28.6	— 1.4	16.2	— 1.3	22.4	— 1.4	a	58	—3	1.9	+ 0.6
Upper Egypt	a	13.1	— 0.4	30.9	— 1.6	16.8	— 1.0	23.8	— 1.3	a	46	—4	0.0	— 0.3
Western Desert	a	14.7	— 0.4	29.8	— 2.0	14.2	— 2.7	22.0	— 2.4	a	41	—5	0.0	— 0.3
Red Sea	a	11.1	— 0.9	28.6	— 1.3	20.1	— 1.1	24.4	— 1.2	a	55	— 1	0.8	— 0.3

a= the 24 hours mean. c= 4 main synoptic hours mean. e= 06 & 18 U.T. hours mean.

PRESSURE DISTRIBUTION

The characteristic features of the pressure distribution over the surface map during this month can be summarized in.

— The anticyclonic high pressure systems north the Black and Caspain - Seas.

— The local anticyclone over Cyrenica and the Western Desert of Egypt.

— The secondary depressions developing over West Mediterranean and North Italy.

— The anticyclonic high pressure system over West Europe.

— The shallow troughs of low pressure over Arabian Gulf, Sudan and the African Great Sahara.

During this month, two secondary depressions developed over West Mediterranean round the 1st and the 6th, and a third one over North Italy round the 18th. These secondary depressions originated at the feet of the deep northern low pressure systems traversing the northern latitudes from the West to the East in a northeast course. They also appeared as a more or less downward reflection of the southward osillations in the main planetary wave aloft.

The 1st secondary depression proceeded slowly in a northeast track and approached Italy on the 5th where it filled up. During its life history high pressure established over East Mediterranean.

The 2nd secondary depression proceeded SE wards and reached Crete on the 8th. Afterwards it followed an eastward track through East Mediterranean. It reached Cyprus on the 11th, then it changed its course towards the northeast through Asia Minor, the Black Sea and attained north of the Caspian Sea round the 17th. During its life history, high pressure established over East Mediterranean in advance round the period (6th — 8th) and at its rear round the period (13th — 17th) during which the barometric pressure over U.A.R. in general showed an appreciable rise (3 — 5 mbs) above its normal.

The third secondary depression was the deepest during this month, and its widely enlarged cyclonic circulation influenced the west Mediterranean Region. Moreover at its south foot a shallow coastal disturbance developed round the 20th over the Gulf of Serte. The main deep secondary depression proceeded slowly NE wards while it was filling rapidly. By the 22nd it died over Greece while its attached coastal disturbance was observed over Cyrenica and then started its eastward track. It reached Cyprus on the 25th where it stayed up till the 29th. Its long stay over East Mediterranean was attributed to cyclogenesis over the Balkans and its northern vicinities within period (25th-29th). On the 30th it proceeded slightly eastwards and amalgamated totally on the 30th with the north arm of the Arabian trough stretched over Arabia. During the life history of this third secondary depression of October the anticyclone pressure systems over Rusia, Spain and Northeast Africa (Cyrenica and Western Desert of Egypt) were stationary yet variability in the barometric pressure over East Mediterranean in particular was pronounced round period (24 th — 28 th) and accounted for 10 mb. over Mediterranean and Lower Egypt districts.

SURFACE WIND

Light moderate N/NE winds prevailed in general but fresh S SW winds blew over the northern districts in advance and during the transits of secondary depressions through Lower Egypt district. Calms were frequent over scattered localities particularly in Upper Egypt and Western Desert district most night and early morning intervals.

TEMPERATURE

Maximum temperature oscillated generally below its normal most of the month with the exception of the two hot and short intervals that were experienced in advance of the khamsin transits round period (10th — 12th) and (23rd-26th. Its values ranged between 23°C and 30 °C in the north and between 28 °C and 40 °C in the extreme south.

The absolute maximum temperature was 40 - 5 °C at Aswan on the 25 th.

Minimum temperature oscillated generally below its normal over the northern and southern districts the whole month where its values ranged between (12 °C and 18 °C) and between (12 °C and 22°C) respectively. Over the Middle districts it oscillated round the normal and its values ranged between (14 °C and 18 °C).

The absolute minimum temperature for the Republic was 8.0 °C at Dakhla on the 29 th.

PRECIPITATION

This month was generally characterized with moderate to heavy rainfall within period (26th — 31st). Otherwise the month was rainless with the exception of light showers over the western part of the Mediterranean coast within periods (11th 12th) and (15th — 16th and heavy showers at El Arish on the 13 th. On the 27th in particular rain fell heavily over the Mediterranean and Lower Egypt districts and it exceeded 10 mms in many stations and was accompanied sometimes with thunderstorms and lightning.

The maximum rainfall in 24 hours was 76-5 mms at Borg El Arab on the 28th while the absolute monthly rainfall was 79-0 at Borg El Arab.

MISCELLANEOUS WEATHER PHENOMENA

Hail fell at : Tanta and Tahrir on the 27th.

Thunderstorms occurred at : Sallum on the 27th; Dekheila and Alexandria on the 27th. and 28th ; Baltean on the 27th, 28th. and 30th: Damietta on the 27th. and 29 ; Port Said on the 27th. 29th and 30th ; El Arish on the 29th ; Ghazza on the 26th. 27th and 30th ; Tanta and Tahrir and Shebin El Kom on the 27th ; Abu Sueir on hte 30th ; and at each of Wadi El Natrun, Fayed; Mostafa Helmi: Tor and Hurghada on the 27th.

Mist patches developed at : Sidi Barrani on the 10th ; Alexandria on the 22nd ; Port Said on the 13th. and 24th; El Arish on the 6th; Ghazza on the 5th. 25th and 26th; Mansoura on the 4th and 5th; Tahrir on the 2nd. 4th. 5th, 6th. 7th. 9th. 10th, 11th, 13th, 20th. 21st, 23rd, 24th, 25th and 27th ; Abu Sueir on the (3rd—6th), 8th, 10th, 12th, 19th, 20th, (23rd—26th) and 31st; Zaher on the 4th. 5th. 25th, 27th and 30th; Inshas on the 24th. 25th, 27th and 30th ; Kabrit on the 4th and 26th; Cairo on the (3rd—6th), 8th, 10th, 11th, 18th, 23rd, 24th, 25th, 27th, 28th and 31st; Mostafa Helmi on the (2nd-11th, (17th-25th), 27th, 30th and 31st; Almaza on the (3rd—8th),

10th, 11th, 18th, (22nd—25th), 28th, 30th and 31st; Abbasiya on the 4th, 5th, 6th, 11th, 24th. and 28th; Imbaba on the 4th, 11th, and 24th. Giza on the 4th, 5th, 8th, 10th, 11th and 24th; Helwan on the 28th; Mangabad on the 5th; Siwa on the 6th and at Bahariya on the 3rd. 5th and 6th.

Fog patches developed at : Alexandria on the 10th; Ghazza on the 25th; Mansoura on the 5th: Tahrir on the 4th, 5th, 23rd, 24th and 25th; Abu Sueir on the 4th and 5th: Zaher on the 4th: Inshas on the 4th and 5th; Cairo on the 4th, 5th. 24th and 25th; Mostafa Hilmi on the 4th, 10th, 11th. 23rd. 24th and 27th: Almaza on the 4th 5th, and 24th; Abbasiya and Imbaba on the 24th and at Giza on the 4th, 5th, and 24th.

Local rising sand or dust was reported at : Tahrir on the 12th; Shebin El Kom on the 24th: Abu Sueir on the 12th, 25th, 27th and 28th; Inshas on the 12th and 28th, Fayed on the 27th; Mostafa Helmi on the 25th and 30th; Almaza and Giza on the 27th; Minya on the 6th; Kharga on the 17th and at Tor on the 15th.

Sand or duststorms blew over : Tahrir on the 27th; Zaher on the 12th and over Fayed and Mostafa Helmi on the 27th.

Cairo 26-1-1970

M. F. TAHA
Under Secretary of State
Director Geneeral
Meteorological Department

Table A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO Hp AND TO MEAN SEA LEVEL

OCTOBER 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal
Mediterranean	Sallum	6.0	1015.8		1016.1	+0.5	1015.4	+0.4	1016.1	+0.7	5.2	1016.3	—	1016.6	+0.6	1015.9	+0.5	1016.6	+0.8
	Sidi Barrani	22.8	1013.0	+0.1	1013.4	+0.3	1012.7	+0.2	1013.5	+0.5	22.8	1015.8	+0.1	1016.2	+0.3	1015.5	+0.2	1016.3	+0.5
	Mersa Matruh (A)	30.0	1012.6	+0.2	1012.8	+0.1	1012.2	+0.2	1012.9	+0.2	30.0	1016.3	+0.2	1016.5	+0.1	1015.9	+0.2	1016.6	+0.2
	Dabaa	18.0	1012.9	—	1013.4		1012.8		1013.4	—	18.0	1014.9	—	1015.4	—	1014.8	—	1015.4	—
	Dekheila (A)	6.0	1015.3	—	1015.6	-0.2	1015.0	-0.2	1015.7		6.0	1015.9	—	1016.2	—0.2	1015.6	—0.2	1016.3	—
	Alexandria (A)	7.0	1014.8	+0.2	1015.1	—0.1	1014.5	+0.3	1015.2	+0.2	7.0	1015.6	+0.2	1015.9	+0.1	1015.3	+0.3	1016.0	+0.2
	Balteam	—	1015.0	—	1015.6		1014.6		1015.4	—	—	1015.2	—	1015.8	—	1014.8	—	1015.6	—
	Damietta	5.0	1014.4	—	1014.8	-0.8	1013.9	-0.8	1014.7	—0.4	5.0	1014.8	—	1015.2	—0.8	1014.3	—0.8	1015.1	—0.4
	Port Said (A)	7.4	1013.9	—0.2	1014.4	—0.4	1013.5	—0.3	1014.2	—0.3	70.1	1014.6	+0.2	1015.1	—0.4	1014.2	—0.3	1014.9	—0.3
	El Arish	10.7	1012.8	+0.3	1013.4	0.8	1012.3	—0.8	1013.0	—0.5	10.8	1014.7	0.3	1015.3	0.8	1014.2	—0.8	1014.9	—0.5
	Ghazza	15.7	1012.5		1013.1		1012.0		1012.6		15.7	1014.4		1014.9		1013.8	—	1014.4	—
Lower Egypt	Mansoura	4.0	1015.3		1015.6	+0.2	1013.9	0.0	1015.0	0.0	3.6	1015.7	—	1016.0	—0.2	1014.3	0.0	1015.4	—0.0
	Damanhour	6.7	1015.0		1015.3	—0.6	1014.5	—0.3	1015.0	0.5	6.7	1015.6	—	1016.0	—0.6	1015.2	—0.3	1015.7	—0.5
	Gimmeiza	—	1014.4		1014.8	0.0	1013.5	0.0	1014.2	0.0	—	1015.1	—	1015.8	0.0	1014.5	0.0	1015.2	0.0
	Tanta	14.8	1013.1		1013.7	0.9	1012.3	—0.7	1013.7	0.1	14.8	1015.1	—	1015.4	—0.4	1014.0	—0.2	1015.1	+0.4
	Tahrir	16.0	1012.8		1013.1		1011.9		1013.1		16.0	1015.0	—	1015.6	—	1014.0	—	1015.3	—
	Shebin El Kom	13.1	1013.8	—	1014.3	-0.3	1012.5	-0.7	1014.0	—0.0	13.8	1015.3	—	1015.8	0.4	1014.0	—0.8	1015.5	—0.1
	Zagazig	13.0	1014.0		1014.4	0.6	1012.8	-0.4	1014.4	-0.0	13.0	1015.6	—	1016.0	0.6	1014.4	—0.4	1016.0	0.0
	Abu Sueir (A)	16.0	1013.6	—	1014.4		1012.3	—	1014.0	—	16.0	1015.5	—	1016.2		1014.2	—	1015.9	—
	Zaher (A)	23.5	1010.6		1011.3	—	1009.6		1010.6	—	23.5	1014.2	—	1014.9		1013.1	—	1014.1	—
	Wadi El Natrun	0.9	1016.1	—	1016.5	+0.6	1014.7	+1.1	1016.1	+0.7	0.9	1016.2	—	1016.6	+0.6	1014.8	+1.5	1016.2	+0.7
	Inshas (A)	—	1011.3	—	1011.8		1009.9	—	1011.5	—	—	1014.5	—	1014.9		1013.0	—	1014.6	—
	Fayed (A)	35.0	1012.9	—	1013.6	—	1011.7		1013.4		—	1015.4	—	1016.2		1014.1	—	1015.9	—
	Kabrit (A)	4.9	1013.8		1014.5	—	1012.2	—	1013.9		4.9	1015.2	—	1015.9	—	1013.5	—	1015.3	—
Cairo Area	Cairo (A)	74.5	1007.3	0.4	1008.0	0.5	1006.0	0.8	1007.5	0.3	74.5	1014.9	—0.5	1015.6	0.5	1013.3	0.9	1015.0	0.4
	Mostafa Helmi (A)	164.0	995.6	—	996.2	—	994.7	—	995.7	—	164.0	1014.8	—	1015.4	—	1013.4	—	1014.7	—
	Almaza (A)	78.5	1005.4	—0.5	1006.2	—.04	1004.2	0.7	1005.6	0.5	78.5	1014.7	—0.5	1015.4	0.4	1013.2	0.6	1014.7	0.5
	Abbasiya (H.Q.)	26.4	1012.8	—	1013.3	—	1011.5	—	1012.7	—	26.4	1015.0	—	1015.5	—	1013.5	—	1014.8	—
	Imbaba (A)	19.0	1012.6	—	1013.5	—	1011.5	—	1012.6	—	19.0	1014.7	—	1015.6	—	1013.6	—	1014.7	—
	Giza	22.5	1012.4	—	1012.9	-0.5	1010.9	0.5	1012.1	0.6	22.5	1015.1	—	1015.7	—0.5	1013.6	0.5	1014.8	—0.7
	Helwan	140.7	998.3	—	999.0	—0.4	997.2	—0.3	998.4	0.0	140.7	1015.2	—	1015.8	—0.5	1013.6	—0.3	1015.1	—0.1

Table A 1 (*contd.*). **MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO Hp AND TO MEAN SEA LEVEL**

OCTOBER 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.)								Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.)							
			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
Upper Egypt	Fayoum	31.5	1012.1		1012.8	0.0	1010.5	0.1	1011.7	+0.2	31.5	1015.1		1015.7	0.0	1013.4	0.0	1014.6	+0.2
	Beni Suef	30.0	1011.0		1011.7	−0.5	1009.5	−0.3	1010.5	0.3	30.0	1014.5		1015.2	−0.4	1012.8	−0.3	013.9	−0.3
	Saint Antony	—	—		965.6	—	964.5	—	965.4	—	—	10—	—	1016.5	—	1014.4	—	016.0	—
	Minya (A)	40.5	1009.3	−0.3	1010.2	−0.3	1008.4	−0.4	1008.9	−0.5	40.5	1014.1	−0.3	1015.0	−0.3	1013.0	−0.3	013.0	−0.5
	Asyout (Mangabad) (A)	69.6	1005.8	+0.7	1007.9	0.1	1004.8	+0.1	1005.6	+0.3	69.6	1014.1	+0.9	1015.2	0.0	1012.9	+0.3	013.7	+0.4
	Nag Hammadi	70.5	1002.6		1005.3	−1.1	1003.1	−0.8	1003.7	−0.9	70.5	1010.7	—	1013.5	−1.1	1011.1	−0.7	1011.8	−0.9
	Kena	74.2	1003.9		1005.1	−0.4	1002.7	−0.1	1003.1	−0.4	74.2	1012.5	—	1013.7	−0.3	1011.1	+0.1	011.6	−0.4
	Luxor (A)	88.5	1001.3	−0.8	1002.9	−0.8	1000.6	−0.5	1001.2	−0.7	88.5	1011.5	−0.8	1013.1	−0.7	1010.5	−0.5	011.3	−0.7
	Kom Ombo	—	999.2		1000.8	—	998.2	—	999.0	—	—	1011.4	—	1012.7	—	1009.7	—	1010.8	—
	Aswan (A)	193.5	988.2		989.7	1.3	987.3	−1.4	988.0	−1.4	193.5	1010.6	—	1011.9	−1.4	1008.7	−1.5	1009.9	−1.4
Western Desert	Siwa	13.5	1018.0	+0.1	1018.9	+0.3	1017.5	+0.4	1017.6	+0.3	13.5	1016.3	+0.1	1017.2	+0.3	1015.8	+0.3	015.9	+0.3
	Bahariya	129.5	1000.4	—	1001.0	−1.2	999.1	−1.3	999.8	−1.6	129.5	1015.4	—	1016.0	−1.1	1013.0	−1.4	014.6	−1.6
	Farafra	91.8	1006.8	—	1007.7	+1.0	1006.3	+0.9	1006.4	+0.6	91.8	1017.4	—	1017.9	+0.8	1016.3	+0.9	1016.6	+0.7
	Dakhla	111.5	999.8	—	1001.2	0.0	998.7	−0.3	999.3	−0.6	111.5	1013.0	—	1014.3	+0.1	1011.4	−0.1	012.3	−0.4
	Kharga	72.8	1003.9		1005.4	−1.0	1003.4	−1.0	1004.2	−0.8	72.8	1012.0	—	1013.8	−0.9	1011.4	−0.9	012.4	−0.7
Red Sea	Suez	11.0	1013.5	—	1014.1	+0.1	1012.4	−0.8	1013.3	+0.2	11.0	1014.7	—	1015.3	+0.1	1013.6	−0.8	1014.5	+0.2
	Tor	4.2	1011.0	—	1012.2	−1.0	1010.6	−1.2	1011.0	−0.9	4.2	1011.4	—	1012.0	−1.0	1011.0	−1.2	011.4	−0.9
	Hurghada	2.8	1011.5	+0.3	1012.8	0.0	1010.7	−0.3	1011.8	+0.3	2.8	1011.7	+0.3	1013.0	0.0	1010.9	−0.3	012.0	+0.3
	Quseir	11.3	1009.6	—	1011.1	−1.1	1009.7	−1.8	1010.2	−1.2	11.3	1010.6	—	1012.1	−1.1	1010.7	−1.8	011.2	−1.2
	Abul Kizan	5.0	1010.2	—	1011.6	—	1010.4	—	1010.6	—	5.0	1010.7	—	1012.2	—	1010.9	—	010.9	—

Table A 2.—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

OCTOBER 1961

District	Station	Dry bulb temperature (°C)								Wet 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
Mediterranean	Sallum	18.9	—	19.4	—2.9	24.8	—1.4	21.3	—1.7	15.6	—	15.8	—2.5	18.5	—1.6	17.6	—1.6	69	—	66	0	52	—3	68	0
	Sidi Barrani	17.5	—2.1	18.8	—2.4	23.6	—1.9	20.5	—2.0	15.0	—2.0	15.7	—2.1	18.5	—1.6	17.0	—2.0	74	—2	70	0	59	0	69	—1
	Mersa Matruh (A)	16.7	—2.5	19.5	—2.3	24.5	—1.2	19.9	—2.2	14.4	—2.3	16.1	—2.1	18.2	—1.8	16.6	—2.2	76	0	69	0	51	—6	70	—2
	Dabaa	16.7	—	19.9	—2.2	24.4	—1.3	19.8	—2.4	14.9	—	16.9	—1.3	18.4	—1.0	17.0	—1.5	81	—	73	+6	53	0	74	+5
	Dekheila (A)	20.1	—	21.3	—2.4	24.5	—0.9	21.4	—	17.0	—	17.6	—1.9	19.1	—2.6	17.7	—	72	—	68	—6	57	—14	68	—
	Alexandria (A)	*19.0*	*—0.8*	*22.5*	*—0.4*	*25.3*	*—1.3*	*20.7*	*—1.1*	*17.0*	*—0.8*	*18.7*	*—0.7*	*19.7*	*—0.3*	*17.9*	*—0.8*	81	0	68	—2	57	+3	75	+2
	Balteam	19.8	—	23.2	—	25.2	—	21.1	—	17.8	—	19.3	—	19.7	—	18.3	—	81	—	68	—	58	—	75	—
	Damietta	18.9	—	22.0	—1.9	26.9	+1.4	20.8	—2.1	17.4	—	19.2	—1.3	20.6	+0.2	18.5	—1.3	86	—	76	+4	54	—7	79	+5
	Port Said (A)	21.8	—1.2	22.7	—1.4	25.0	—1.2	22.5	—1.4	18.7	—1.3	19.3	—1.1	20.2	—0.9	19.3	—0.9	73	—1	71	+1	62	+1	72	+2
	El Arish	19.7	—0.8	22.4	—1.8	25.7	—1.0	22.6	—1.3	17.7	—0.5	19.3	—0.9	20.9	—1.4	19.7	—0.7	81	+2	73	+5	63	—4	75	+3
	Ghazza	18.4	—	21.2	—	24.7	—	22.7	—	16.6	—	18.2	—	20.5	—	19.5	—	80	—	74	—	66	—	73	—
Lower Egypt	El Sirw	18.9	—	22.5	—1.4	25.3	—1.6	20.9	—1.9	—	—	19.5	—1.4	20.2	—1.8	19.0	—1.4	—	—	74	—1	61	—3	83	+4
	Sakha	16.2	—	22.1	0.0	27.9	—0.7	20.3	—0.3	—	—	19.9	+0.1	23.1	+1.3	18.7	—0.3	—	—	81	+1	65	+12	85	0
	Mansoura	15.5	—	20.9	—1.5	27.3	—1.6	19.3	—1.5	14.5	—	18.4	—1.1	19.4	—1.1	17.1	—1.6	89	—	78	+3	44	0	79	+6
	Damanhour	16.7	—	20.6	—1.0	26.9	—0.7	19.4	—2.0	—	—	18.5	—0.7	19.1	—1.4	17.4	—1.3	—	—	81	+2	45	—4	81	—5
	Gimmeiza	16.9	—	21.9	—0.2	28.1	—1.1	20.6	0.0	—	—	19.4	—0.5	20.5	—1.5	18.0	—1.1	—	—	78	—3	47	—4	76	—10
	Tanta	16.1	—	19.9	—1.8	27.6	—4.6	19.6	—1.7	14.7	—	17.4	—2.2	19.7	—1.3	16.9	—2.1	85	—	77	—4	44	—1	75	—4
	Tahrir	16.5	—	19.5	—	27.4	—	20.4	—	15.3	—	17.2	—	18.2	—	17.2	—	87	—	79	—	36	—	71	—
	Shebin El Kom	16.8	—	20.2	—0.5	28.3	—1.0	20.4	—1.9	14.9	—	17.8	—0.2	20.1	—0.4	17.5	—1.0	80	—	78	+2	44	+3	74	+6
	Zagazig	17.6	—	19.6	—3.1	28.2	—1.3	21.3	—0.6	—	—	17.4	—2.9	19.8	—2.0	18.3	—1.2	—	—	80	+1	42	—6	74	—5
	Abu Sueir (A)	17.9	—	20.6	—	28.1	—	21.7	—	16.1	—	17.6	—	18.9	—	18.0	—	82	—	73	—	38	—	68	—
	Zaher (A)	17.5	—	19.7	—	27.9	—	21.4	—	15.8	—	17.3	—	18.7	—	17.6	—	83	—	78	—	37	—	67	—
	Wadi El Natrun	17.4	—	19.4	—1.8	28.4	—1.2	21.5	—2.7	15.1	—	16.4	—1.6	18.1	—1.9	17.0	—2.0	77	—	72	—1	32	—5	62	—3
	Inshas (A)	17.2	—	19.5	—	28.1	—	21.1	—	15.4	—	16.9	—	19.2	—	17.2	—	82	—	76	—	40	—	66	—
	Fayed (A)	18.1	—	20.9	—	28.4	—	21.9	—	16.4	—	18.1	—	19.8	—	18.5	—	83	—	75	—	41	—	71	—
	Kabrit (A)	19.2	—	20.2	—	28.4	—	22.4	—	17.0	—	17.4	—	19.6	—	18.4	—	79	—	74	—	41	—	66	—
Cairo Area	Cairo (A)	18.5	—1.3	19.9	—1.7	27.9	—1.2	22.4	—1.3	16.3	—1.0	17.1	—1.0	18.1	—1.5	17.3	—1.1	79	+2	74	+4	34	—3	57	—1
	Mostafa Helmi (A)	16.6	—	18.1	—	26.9	—	20.7	—	15.1	—	16.0	—	17.4	—	16.2	—	84	—	79	—	37	—	61	—
	Almaza (A)	18.1	—1.9	19.4	—2.5	28.0	—1.3	22.3	—1.8	15.6	—2.0	16.5	—1.9	18.4	—1.5	17.0	—1.9	75	—3	73	+3	35	—3	56	—3
	Abbasiya (H. Q)	18.4	—	20.5	—	28.7	—	22.7	—	16.5	—	17.8	—	19.4	—	17.9	—	81	—	75	—	38	—	60	—
	Imbaba (A)	17.4	—	19.9	—	28.3	—	21.7	—	15.0	—	17.1	—	19.0	—	17.0	—	76	—	74	—	38	—	60	—
	Giza	17.4	—	19.6	—1.3	27.8	—1.7	22.1	—0.8	15.9	—	17.2	—1.5	18.4	—2.2	17.2	—1.6	85	—	78	—2	36	—5	59	—7
	Helwan	18.6	—	20.3	—1.3	27.6	—1.7	22.4	—2.0	15.9	—	16.9	—0.9	18.0	—0.8	16.9	—1.1	74	—	69	—1	35	—3	54	—1

Table A2 (*contd*).—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS

OCTOBER 1961

District	Station	Dry bulb temperature (°C)								Wet 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
Upper Egypt	Fayoum	18.7	—	20.6	—1.4	29.2	—1.0	23.0	—0.6	16.0	—	17.3	—1.2	18.9	—0.9	17.0	—1.3	74	—	70	0	33	—1	52	—5
	Beni Suef	17.8	—	19.0	—3.3	29.1	—2.2	22.4	—1.1	14.7	—	16.0	—2.3	19.3	—1.1	16.5	—1.3	69	—	72	+6	35	+2	52	—3
	Saint Antony	—	—	22.0	—1.1	28.0	—0.3	22.9	—1.3	—	—	15.8	—0.2	18.0	+0.2	16.2	—0.4	—	—	49	+5	33	+2	47	+5
	Seds	—	—	21.1	—0.4	28.8	—1.7	21.6	—0.6	—	—	18.1	—0.7	20.0	—0.9	17.4	—0.6	—	—	74	—2	41	+2	64	0
	Minya (A)	17.4	—0.9	19.7	—1.3	29.1	—1.7	21.1	—0.9	14.6	—1.0	16.3	—1.3	18.5	—1.4	15.8	—1.3	72	—2	69	—1	31	—1	55	—4
	Mallawi	15.9	—	17.6	—	28.9	—	19.1	—	—	—	16.3	—	20.6	—	16.5	—	—		87	—	45	—	75	—
	Asyout (Mangabad (A)	19.2	—1.9	19.4	—2.4	27.8	—2.3	23.6	—2.0	14.5	—1.6	15.6	—1.9	18.4	—1.3	17.1	—1.0	57	0	64	0	36	+2	49	+4
	Shandaweel	19.1	—	21.6	—2.2	28.8	—1.8	22.2	—1.4	—	—	18.1	—1.6	21.9	—0.6	19.5	—0.5			70	+3	52	+5	76	+6
	Nag Hammadi	19.2	—	21.0	—3.2	29.8	—1.6	23.3	—0.8	—	—	17.5	—1.6	21.4	—0.4	18.8	—0.2			69	+9	44	+4	63	+3
	Kena	22.3	—	22.3	—1.8	31.1	—2.5	25.5	—0.8	—	—	17.9	—0.7	21.8	—1.0	18.8	—0.3			56	—1	41	+5	50	+2
	Luxor (A)	19.9	—1.4	23.3	—2.1	32.4	—1.1	24.5	—2.4	14.6	—0.4	17.0	—0.9	19.8	—0.9	17.6	—0.6	53	+6	50	+5	26	—1	48	+9
	Kom Ombo	20.5	—	24.0	—	34.4	—	26.4	—	13.9	—	16.5	—	19.5	—	16.0	—	44		42	—	19	—	28	—
	Aswan (A)	21.4	—	23.4	—2.4	33.9	—2.3	27.5	—3.7	13.2	—	14.6	—3.0	18.1	—3.2	15.0	—4.0	28	—	33	—8	14	—7	19	—7
Western Desert	Siwa	16.6	—2.4	17.2	—2.6	27.9	—1.4	21.8	—2.2	12.3	—2.4	13.6	—2.2	17.0	—1.2	14.6	—1.8	57	—3	64	+1	28	—1	41	—1
	Bahariya	18.0	—	18.4	—2.9	28.6	—1.3	23.4	—0.2	15.0	—	15.6	—1.9	17.8	—2.2	15.5	—1.6	71	—	73	+6	29	—7	38	—11
	Farafra	17.1	—	18.1	—2.7	28.3	—2.1	21.8	—2.1	11.4	—	13.0	—3.0	16.1	—3.2	13.4	—2.8	46	—	52	—6	22	—9	33	—8
	Dakhla	16.8	—	19.5	—3.2	29.3	—2.6	21.9	—4.6	11.0	—	13.8	—2.6	16.5	—3.5	13.6	—3.7	44	—	49	0	20	—9	34	—2
	Kharga	18.7	—	21.7	—2.4	31.4	—1.8	23.5	—3.6	13.9	—	16.5	—1.5	19.8	—1.6	16.2	—1.9	56	—	56	+4	29	—2	43	—5
Red Sea	Suez	21.1	—	20.7	—1.8	27.6	—2.0	23.1	—1.3	—	—	19.0	—0.2	20.5	0.0	19.3	—0.3	—	—	84	+12	49	+9	68	+6
	Tor	20.6	—	23.8	—0.8	26.8	—1.3	24.6	—1.3	16.9	—	18.3	—1.5	21.3	—1.8	19.9	—1.4	67	—	57	—5	59	—5	63	—2
	Hurghada	20.9	—1.2	24.0	—1.0	27.8	+0.3	24.0	—1.4	15.5	—1.6	17.9	—1.5	20.8	—2.1	18.2	—2.1	53	—5	52	—5	51	—15	54	—7
	Quseir	22.9	—	25.7	—1.7	27.6	—1.3	24.4	—2.0	17.4	—	19.1	—1.3	21.7	—1.8	19.8	—1.6	55	—	51	+1	57	+5	63	0
	Abul Kizan	—	—	28.1	—0.9	28.1	—1.6	28.0	+0.2	—	—	25.6	—0.1	25.8	—0.3	26.4	+1.0	—	—	81	+5	82	+8	88	+7

Table A3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY (OCTOBER 1961)

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)												Relative humidity %		
		Derivation of the mean values a, b, c, d	Station Pressure corrected to Hp		M.S.L. Pressure		Maximum (A)		Minimum (B)		(A+B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a, b, c, d	Mean	Dev. from normal	Deriv. of the mean values, a, b, c, d.	Mean	Dev. from normal			
MEDITERRANEAN	Sallum	a	1015.9	+0.4	1016.4	+0.5	26.3	—1.4	17.1	0.0	21.7	a	21.3	—0.9	a	17.0	—1.3	a	63	— 4
	Sidi Barrani	a	1013.1	—0.3	1015.9	—0.3	24.8	—2.0	15.6	—2.0	20.2	a	20.2	—1.8	a	16.6	—1.8	a	67	— 2
	Mersa Matruh (A)	a	1012.6	—1.0	1016.3	—1.0	26.1	—0.9	14.9	—2.5	20.5	a	20.2	—1.9	a	16.3	—2.0	a	65	— 3
	Dabaa	a	1013.1	—	1015.1		25.5	—1.5	15.0	—2.1	20.2	a	20.1	—1.7	a	16.7	—1.4	a	69	+ 1
	Dekheila (A)	a	1015.4		1016.0	—	25.4	—1.6	18.2	—1.5	21.8	a	21.8	—	a	17.8	—	a	66	—
	Alexandria (A)	a	1014.9	—0.4	1015.7	—0.4	26.9	—0.9	16.9	—0.8	21.9	a	21.7	—1.1	a	18.1	—0.8	a	69	+ 2
	Balteam	a	1015.1	—	1015.3	—	26.5	—	18.4	—	22.4	a	22.1	—	a	18.7	—	a	71	—
	Damietta	a	1014.4	—0.9	1014.8	—0.9	27.7	—0.2	17.3	—1.5	22.5	a	21.9	—0.9	a	18.8	—0.8	a	73	0
	Port Said (A)	a	1014.0	—0.4	1014.7	—0.4	26.0	—1.2	20.8	1.0	23.4	a	23.0	—1.2	a	19.4	—1.0	a	70	+ 1
	El Arish	a	1012.9	—0.5	1014.8	—0.5	26.8	—1.9	17.9	—0.0	22.4	a	22.5	0.7	a	19.3	—0.3	a	72	+ 2
	Ghazza	a	1012.5	—	1014.4		25.7	—2.3	17.0	+0.2	21.4	a	21.6	—	a	18.7	—	a	75	—
LOWER EGYPT	El Sirw	—	—	—		—	26.6	—1.6	16.2	—1.3	21.4	c	21.9	—0.9	c	19.4	—0.7	e	78	+ 1
	Sakha	—					28.2	1.3	15.1	—0.4	21.6	c	21.6	—0.1	c	19.8	+0.1	e	83	+ 1
	Mansoura	a	1015.0	+0.2	1015.4	+0.2	28.3	—2.1	13.8	—3.8	21.0	a	20.6	—2.0	a	17.1	—2.5	a	69	— 5
	Damanhour	c	1015.0	—0.4	1015.6	—0.5	28.0	1.6	15.2	—1.9	21.6	c	20.9	—1.0	c	18.8	—0.6	c	81	+ 3
	Gimneiza	c	1014.2	+1.0	1015.2	+1.0	28.9	—1.4	14.5	—0.7	21.7	c	21.9	—0.1	c	19.3	—0.7	e	77	— 7
	Tanta	a	1013.2	—0.1	1014.9	—0.2	28.4	—1.7	14.8	—0.6	21.6	a	20.8	—1.1	a	17.0	—2.6	a	67	—13
	Tahrir	a	1012.7	—	1014.9	—	28.6	—3.1	15.0	—1.8	21.8	a	21.0	—	a	16.9	—	a	65	—
	Shebin El Kom	a	1013.6	—0.3	1015.1	—0.4	29.2	—1.4	15.5	—1.0	22.4	a	21.5	—0.7	a	17.4	—1.5	a	65	— 7
	Zagazig	c	1013.9	—0.3	1015.5	—0.3	28.8	1.8	15.9	—0.5	22.4	c	21.7	—0.9	c	19.1	—1.1	e	77	— 2
	Abu Sueir (A)	a	1013.6	—	1015.4	—	29.4	—	16.0	—	22.7	a	21.9	—	a	17.5	—	a	63	—
	Zaher (A)	a	1010.5	—	1014.0	—	28.6	—	15.9	—	22.2	a	21.6	—	a	17.2	—	a	62	—
	Wadi El Natrun	a	1015.8	+0.9	1015.9	+0.9	29.5	—1.4	14.2	—2.4	21.8	a	21.8	1.1	a	16.6	—2.3	a	56	—10
	Inshas (A)	a	1011.1	—	1014.2	—	28.7	—	15.6	—	22.2	a	21.5	—	a	17.1	—	a	62	—
	Fayed (A)	a	1012.8	—	1015.3	—	29.1	—	16.5	—	22.8	a	22.2	—	a	18.0	—	a	64	—
	Kabrit (A)	a	1013.5	—	1014.8	—	29.0	—	17.2	—	23.1	a	22.5		a	18.1	—	a	63	—
CAIRO AREA	Cairo (A)	a	1007.2	—0.5	1014.7	—0.6	28.6	—1.2	16.5	—1.4	22.6	a	22.1	—1.4	a	17.1	—1.2	a	58	0
	Mostafa Helmi (A)	a	995.5	—	1014.6	—	26.8	—	15.0	—	20.9	a	20.4	—	a	16.2	—	a	63	—
	Almaza (A)	a	1005.4	—0.5	1014.5	—0.6	28.6	—1.7	16.4	—1.7	22.5	a	21.9	—2.0	a	16.9	—1.7	a	58	0
	Abbasiya H.Q.)	a	1011.6	—	1014.7	—	29.8	—	16.5	—	23.2	a	22.5	—	a	17.8	—	a	61	—
	Imbaba (A)	a	1012.5	—	1014.6	—	29.1	—	15.1	—	22.1	a	21.8	—	a	17.0	—	a	59	—
	Giza	a	1012.0	—0.5	1014.8	—0.5	28.9	—1.2	15.3	—0.3	22.1	a	21.7	—0.5	a	17.2	—1.9	a	62	—11
	Helwan	a	998.1	+0.1	1014.9	+0.1	28.5	—1.6	16.6	—1.8	22.6	a	22.1	—1.5	a	16.9	—1.5	a	56	— 2

a = the 24 hours mean. b = 8 synoptic hours mean. c = 4 main synoptic hours mean.
d = 06,12 & 18 U.T. hours mean. e = 06 & 18 U.T. hours mean

Table A3 (*contd.*)—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

OCTOBER 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a, b, c, d	Station Pressure corrected to Hp		M.S.L. Pressure		Maximum (A)		Minimum (B)		(A + B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a, b, c, d	Mean	Dev. from normal	Deriv. of the mean values. a, b, c, d.	Mean	Dev. from normal			
Upper Egypt	Fayoum	a	1011.8	+0.2	1014.7	+0.2	29.9	-1.4	16.5	-0.6	23.2	a	22.9	-0.3	a	17.3	-1.5	a	55	— 9
	Beni Suef	a	1010.6	—0.3	1014.4	—0.2	29.6	—2.0	15.4	-0.1	22.5	a	22.1	—1.3	a	16.6	—1.9	a	54	— 6
	Seds	—	—	—	—	—	29.3	-2.5	15.4	-0.4	22.4	c	21.7	-0.5	c	18.1	—0.6	e	69	— 1
	Minya (A)	a	1009.2	—0.5	1014.0	—0.5	29.7	—1.5	15.2	—0.7	22.4	a	21.9	1.3	a	16.3	—1.5	a	53	— 3
	Mallawi	—	—	—	—	—	30.5	—	13.5	—	22.0	c	20.4		c	18.3	—	c	81	—
	Asyout (Mangabad) (A)	a	1005.8	—0.1	1014.0	0.0	28.8	—2.2	16.4	—1.7	22.6	a	22.4	-1.9	a	16.4	—1.1	a	51	+ 3
	Shandaweel	—	—	—	—	—	30.2	—1.6	17.4	—0.6	23.8	c	22.9	-1.7	c	19.7	—0.9	e	73	+ 5
	Nag Hammadi	c	1003.7	—1.3	1011.8	—1.3	30.9	—1.9	16.5	—0.8	23.7	c	23.3	—0.9	c	19.2	—0.0	c	66	+ 6
	Kena	c	1003.7	—0.2	1012.2	—0.2	32.9	—2.3	18.8	—0.4	25.8	c	25.3	—0.5	c	19.1	—0.3	c	53	+ 1
	Luxor (A)	a	1001.5	-0.5	1011.6	—0.5	34.9	—0.2	17.1	—0.8	26.0	a	24.9	-1.7	a	17.1	—0.9	a	42	+ 3
	Kom Ombo	a	999.3	—	1011.1	—	35.5		16.4	—	26.0	a	25.9	—	a	16.3	—	a	32	—
	Aswan (A)	a	988.3	-1.4	1010.3	1.4	35.2	-1.9	17.7	—4.2	26.4	a	26.6	-1.8	a	15.2	—3.3	a	23	—11
Western Desert	Siwa	a	1018.0	-0.3	1016.3	-0.3	29.2	-1.7	12.9	—3.2	21.0	a	21.0	—1.8	a	14.3	—1.6	a	43	— 2
	Bahariya	a	1000.0	—1.3	1014.9	-1.3	29.1	—1.9	14.4	—1.5	21.8	a	22.1	—0.6	a	16.0	—1.6	a	50	— 8
	Farafra	a	1006.9	+0.9	1017.2	+0.9	28.8	—1.7	13.8	—1.5	21.3	a	21.3	—1.3	a	13.5	—1.9	a	36	— 7
	Dakhla	a	999.8	—0.2	1012.7	—0.2	29.9	—3.1	13.7	—4.2	21.8	a	21.9	—2.8	a	13.6	—3.4	a	34	— 8
	Kharga	a	1004.2	-1.1	1012.4	-1.0	32.2	-1.8	15.8	—3.1	24.0	a	23.7	—2.1	a	16.5	—1.6	a	44	0
Red Sea	Suez	c	1013.3	0.3	1014.5	-0.3	29.1	—1.9	17.3	—1.6	23.2	c	23.1	—0.8	c	20.2	+0.6	e	76	+ 9
	Tor	a	1011.2	—1.1	1011.6	—1.1	27.9	—1.7	17.6	—1.0	22.8	a	23.4	—0.9	a	18.9	—0.9	a	63	— 1
	Hurghada	a	1011.7	+0.1	1011.9	+0.1	28.6	+0.4	18.7	—1.3	23.6	a	24.0	—0.9	a	18.1	—1.5	a	54	— 5
	Quseir	a	1010.1	—1.6	1011.1	—1.6	28.1	—2.1	21.5	—1.4	24.8	a	24.9	—1.5	a	19.4	—1.0	a	58	+ 2
	Abul Kizan	c	1010.7	—	1011.2	—	29.5	—1.2	25.6	—0.2	27.6	c	28.0	—0.1	c	25.9	+0.7	e	84	+ 6

a = the 24 hours mean. b = 8 synoptic hours mean. c = 4 main symoptic hours mean.

d = 06.12 & 18 U. T. hours mean. e = 06 & 18 U. T. hours mean.

Table A4. —MAXIMUM AND MINIMUM AIR TEMPERATURES

OCTOBER 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
Mediterranean	Sallum	33.4	23	22.6	16	14	5	0	0	0	21.2	23	14.6	28	0	0	0	0
	Sidi Barrani	31.2	23	21.8	28	9	2	0	0	0	20.1	6	11.2	19	0	0	0	0
	Mersa Matruh (A)	32.1	10	22.4	27	19	2	0	0	0	17.6	12	11.3	20	0	0	0	0
	Dabaa	30 2	11	22.7	17	19	1	0	0	0	18.8	4	11.7	21·22	0	0	0	0
	Dekheila (A)	28.8	11	23.7	15·20	19	0	0	0	0	21.7	25	14.0	22	0	0	0	0
	Alexandria (A)	32.0	11	24.4	28	23	1	0	0	0	20.8	5·7	13.0	21	0	0	0	0
	Balteam	29.4	12	23.9	28	25	0	0	0	0	21.0	17	16.0	22	0	0	0	0
	Damietta	31.7	12	23.6	30	26	4	0	0	0	20.6	25	13.6	17	0	0	0	0
	Port Said (A)	31.5	12	23.5	15	22	1	0	0	0	23.1	25	16.9	28	0	0	0	0
	El Arish	28.8	12	24.2	14	30	0	0	0	0	22.6	2	15.1	18	0	0	0	0
	Ghazza	28.5	12	22.5	30	22	0	0	0	0	21.3	3	14.7	21	0	0	0	0
Lower Egypt	El Sirw	32.4	12	24.0	14	23	1	0	0	0	20.3	11	12.0	17	0	0	0	0
	Sakha	33.5	12	24.5	15	27	4	0	0	0	18.4	25	13.4	17	0	0	0	0
	Mansoura	32.3	4	23.7	30	29	8	0	0	0	15.7	26	10.4	17	0	0	0	0
	Damanhour	32.6	12	24.8	15	29	7	0	0	0	18.9	12	13.6	17	0	0	0	0
	Gimmeiza	33.0	4·12	25.0	15·28·30	28	9	0	0	0	18.0	12	11.0	17	0	0	0	0
	Tanta	32.5	12	24.6	30	27	9	0	0	0	18.7	12	11.2	17	0	0	0	0
	Tahrir	32.6	12	24.8	28	30	9	0	0	0	17.8	12	11.8	17	0	0	0	0
	Shebin El Kom	32.5	10·12	25.0	27	30	13	0	0	0	18.8	12	11.6	17	0	0	0	0
	Zagazig	34.0	12	24.7	30	30	12	0	0	0	19.5	12	12.5	17	0	0	0	0
	Abu Sueir (A)	35.2	12	25.4	14	31	15	1	0	0	18.0	12	13.3	17	0	0	0	0
	Zaher (A)	33.3	12	25.2	30	31	9	0	0	0	19.4	12	12.3	17	0	0	0	0
	Wadi El Natrun	33.8	26	25.4	28	31	12	0	0	0	18.5	25	11.2	17	0	0	0	0
	Inshas (A)	33.0	12	25.0	28	28	9	0	0	0	18.5	12	13.5	15·16	0	0	0	0
	Fayed (A)	35.2	12	25.5	14	31	11	1	0	0	18.8	4	13.2	18	0	0	0	0
	Kabrit (A)	34.5	12	25.7	15	31	9	0	0	0	19.5	5	13.6	16	0	0	0	0
Cairo Area	Cairo (A)	33.5	12	25.5	*	31	12	0	0	0	15.8	5	13.0	17	0	0	0	0
	Mostafa Helmi (A)	31.2	11·12	23.2	20	21	5	0	0	0	19.5	12	11.0	17	0	0	0	0
	Almaza (A)	33.9	12	24.5	30	29	9	0	0	0	20.9	12	12.8	17	0	0	0	0
	Abbasiya (H. Q)	33.8	12	26.0	28	31	14	0	0	0	19.5	5·12	12.1	17	0	0	0	5
	Imbaba (A)	34.3	12	25.8	30	31	12	0	0	0	18.6	5	10.8	17	0	0	0	0
	Giza	34.5	12	26.0	16	31	11	0	0	0	18.4	5	11.2	17	0	0	0	0
	Helwan	33.0	12	24.7	31	29	10	0	0	0	19.4	13	13.4	28	0	0	0	0

Table A 4 (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES

OCTOBER 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
Upper Egypt	Fayoum	34.5	12	26.6	30·31	31	16	0	0	0	19.4	24·25	12.8	17	0	0	0	0
	Beni Suef	34.9	12	26.4	16	31	14	0	0	0	18.5	25	11.4	17	0	0	0	0
	Seds	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	35.0	12	26.1	31	31	15	0	0	0	19.0	5	11.5	28	0	0	0	0
	Mallawi	35.0	12	26.5	16	31	16	0	0	0	16.5	6	10.5	29	0	0	0	0
	Asyout (*Mangabad*) (A)	34.9	12	25.0	17	30	8	0	0	0	19.0	13	12.8	18	0	0	0	0
	Shandaweel	34.5	13	26.2	28	31	16	0	0	0	20.0	5	13.0	29	0	0	0	0
	Nag Hammadi	35.7	13	27.7	30·31	31	17	1	0	0	19.0	7	13.2	29	0	0	0	0
	Kena	37.6	13	27.7	30	31	26	6	0	0	22.1	22	14.0	29	0	0	0	0
	Luxor (A)	37.6	13	28.2	31	31	27	14	0	0	19.4	7	11.8	29	0	0	0	0
	K m Ombo	39.5	26	28.7	31	31	28	19	0	0	21.0	27	11.3	30	0	0	0	0
	Aswan (A)	40.5	25	27.8	30	31	27	18	1	0	21.5	13	13.5	30	0	0	0	0
Western Desert	Siwa	33.4	10	25.0	17·18	29	13	0	0	0	16.7	11	8.8	20	3	0	0	0
	Bahariya	33.4	12	24.7	17	30	12	0	0	0	18.0	25	11.0	15	0	0	0	0
	Farafra	34.6	11	24.1	17	30	11	0	0	0	16.1	4·13	9.0	19	1	0	0	0
	Dakhla	35.5	12	26.1	28	31	14	1	0	0	18.3	5	8.0	29	1	0	0	0
	Kharga	37.0	12	27.7	31	31	23	7	0	0	20.2	5	10.5	29·30	0	0	0	0
Red Sea	Suez	32.8	12	25.9	30	31	11	0	0	0	20.3	24	13.6	16	0	0	0	0
	Tor	35.2	13	25.0	31	30	3	1	0	0	20.9	3	14.2	18	0	0	0	0
	Hurghada	31.9	13	26.8	16·31	31	4	0	0	0	22.0	4	14.8	29	0	0	0	0
	Quseir	30.2	4·13	25.7	21	31	2	0	0	0	23.3	14	18.9	30	0	0	0	0
	Abul Kizan	31.2	26	27.5	31	31	9	0	0	0	28.7	1	23.8	30	0	0	0	0

Table A 5.— RAINFALL AND SNOW DEPTH

OCTOBER 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total Amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximu depth	Date
				Amount	Date	<0.1	≥0.1	≥ 1	≥ 5	≥ 10	≥ 25	≥ 50		
MEDITERRANEAN	Sallum	10.6	+ 1.1	8.2	27	1	6	1	1	0	0	0	0	—
	Sidi Barrani	10.4	− 3.2	5.1	28	1	4	2	1	0	0	0	0	—
	Mersa Matruh (A)	2.0	−12.5	1.4	26	1	4	1	0	0	0	0	0	—
	Dabaa	13.3	+ 8.9	11.3	18	1	2	2	1	1	0	0	0	—
	Dekheila (A)	16.1	+12.6	8.3	27	0	2	2	2	0	0	0	0	—
	Alexandria (A)	34.0	+26.5	24.3	27	0	3	3	2	1	0	0	0	—
	Damietta	17.6	+12.7	6.9	29	0	4	4	2	0	0	0	0	—
	Balteam	7.3	—	6.8	27	1	2	1	1	0	0	0	0	—
	Port Said (A)	34.1	+31.4	17.6	29	0	4	4	3	1	0	0	0	—
	El Arish	12.6	+ 8.6	10.4	13	0	3	2	1	1	0	0	0	—
	Ghazza	5.8	− 2.2	2.3	30	1	4	4	0	0	0	0	0	—
	Ras El Hikma	2.5	—	2.5	27	0	1	1	0	0	0	0	0	—
	Fuka	8.0	+ 4.0	3.0	23	0	4	4	0	0	0	0	0	—
	Hammam	4.5	− 1.5	4.5	27	0	1	1	0	1	0	0	0	—
	Borg El Arab	79.0	+72.0	76.5	28	0	4	2	1	1	1	1	0	—
	Amria	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mex	36.6	+30.6	15.8	27	0	5	5	3	2	0	0	0	—
	Tolombat El Tabia	22.0	+15.0	12.0	29	0	2	2	2	2	0	0	0	—
	Kom El Tarfaia	22.4	+18.4	19.4	27	0	2	2	1	1	0	0	0	—
	Rosetta L.H.	53.2	+45.2	32.5	28	0	3	3	3	2	1	0	0	—
	Borollos L.H.	6.8	−0.2	3.4	28	1	3	3	0	0	0	0	0	—
	Damietta L.H.	10.0	+3.0	8.0	28	0	2	2	1	0	0	0	0	—
LOWER EGYPT	El Sirw	30.0	+27.2	13.0	31	0	1	4	3	1	0	0	0	—
	Sakha	37.2	−32.5	37.2	27	0	1	1	1	1	1	0	0	—
	Mansoura	7.4	− 2.0	5.3	26	0	3	2	1	0	0	0	0	—
	Damanhour	3.2	− 0.5	2.3	27	0	3	1	0	0	0	0	0	—
	Gimmeiza	19.0	+17.2	19.0	27	0	1	1	1	1	0	0	0	—
	Tanta	18.9	+14.2	17.3	17	0	2	2	1	1	0	0	0	—
	Tahrir	7.1	− 6.6	7.1	27	2	1	1	1	0	0	0	0	—
	Shebin El Kom	—	—	—	—	—	—	—	—	—	—	—	—	—
	Zagazig	21.4	19.7	16.0	27	0	2	2	2	1	0	0	0	—
	Abu Sueir (A)	0.8	—	0.5	31	0	3	0	0	0	0	0	0	—
	Zaher (A)	1.2	—	1.0	30	0	2	1	0	0	0	0	0	—
	Wadi El Natrun	10.0	+ 9.4	10.0	27	1	1	1	1	1	0	0	0	—
	Inshas (A)	0.7	—	0.7	30	1	1	0	0	0	0	0	0	—
	Fayed (A)	tr.	—	tr.	27.30	2	0	0	0	0	0	0	0	—
	Kabrit (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Delta Barrage	—	—	—	—	—	—	—	—	—		—	—	
	Tolombat El Boseili	5.5	0.5	2.4	27	0	3	3	0	0	0	0	0	—
	Kafr El Dawar	2.0	− 4.0	1.0	27.31	0	2	2	0	0	0	0	0	—
	Kafr El Sheikh	29.0	+25.0	29.0	27	0	1	1	1	1	1	0	0	—
	Kafr El Zayat	tr.	− 3.0	tr.	28	1	0	0	0	0	0	0	0	—
	Faqus	0.0	− 6.0	0.0		0	0	0	0	0	0	0	0	—
CAIRO AREA	Cairo (A)	0.4	− 0.2	0.4	30	1	1	0	0	0	0	0	0	—
	Mostafa Helmi (A)	23.3	—	23.3	27	1	1	1	1	1	0	0	0	—
	Almaza (A)	3.0	+ 2.4	3.0	30	1	1	1	0	0	0	0	0	—
	Abbasiya (H.Q.)	0.1	—	0.1	27	1	1	0	0	0	0	0	0	—
	Imbaba (A)	tr.	—	tr.	27	1		0	0	0	0	0	0	—
	Giza	tr.	− 3.2	tr.	27	2	0	0	0	0	0	0	0	—
	Helwan	4.3	+ 2.8	4.3	30	0	1	1	0	0	0	0	0	—

Table A 5 (*contd.*)—RAINFALL AND SNOW DEPTH

OCTOBER 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	< 0.1	≥ 0.1	≥ 1.0	≥ 5.0	≥ 10	≥ 25	≥ 50		
Upper Egypt	Fayoum	tr.	— 1.0	tr.	27	1	0	0	0	0	0	0	0	—
	Beni Suef	tr.	— 0.1	tr.	27	1	0	0	0	0	0	0	0	—
	Seds	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	0.0	— 0.6	0.0	—	0	0	0	0	0	0	0	0	—
	Mallawi	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Mangabad (A)	0.0	tr.	0.0	—	0	0	0	0	0	0	0	0	—
	Shandaweel	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Nag Hammadi	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0	—
	Kena	0.0	— 0.6	0.0	—	0	0	0	0	0	0	0	0	—
	Luxor (A)	0.0	— 0.3	0.0	—	0	0	0	0	0	0	0	0	—
	Kom Ombo	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Aswan (A)	0.0	— 0.2	0.0	—	0	0	0	0	0	0	0	0	—
Western Desert	Siwa	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Bahariya	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Farafra	0.0	— 1.3	0.0	—	0	0	0	0	0	0	0	0	—
	Dakhla	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Kharga	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	
Red Sea	Suez	0.0	— 2.6	0.0	—	0	0	0	0	0	0	0	0	—
	Tor	1.7	+ 0.7	1.7	27	0	1	1	0	0	0	0	0	—
	Hurghada	2.1	+ 2.1	2.1	27	0	1	1	0	0	0	0	0	—
	Quseir	0.0	— 0.8	0.0	—	0	0	0	0	0	0	0	0	—
	Abul Kizan	0.0	— 0.7	0 0	—	0	0	0	0	0	0	0	0	—

Table A 6—BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT & BLACK BULB TEMPERATURES AND GRASS MINIMUM

OCTOBER 1961

District	Station	Duration of bright sunshine (hours)			Mean sky cover (oktas)								Mean daily evaporation Piche (millimetres	Mean maximum temp. (°C) of		Mean grass minimum (°C)
		Total actual	Total possible	Percentage %	0000 U.T.		0600 U.T.		1200 U.T.		1800 U.T.			Black bulb thermometer	Bright bulb thermometer	
					Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal				
Mediterranean	Sallum	—	—	—	0.1	—	2.4	—	2.5	—	1.1		6.6	—	—	—
	Sidi Barrani	—	—	—	—	—	2.8	—	2.6	—	1.9	—	5.3	—	—	—
	Mersa Matruh (A)	(296.4)	(353.6)	83.8	0.8	—	2.2	—	2.3	—	1.7	—	6.5	—	—	—
	Dabaa	—	—	—	—	—	2.3	—	2.4		1.9	—	5.3	—	—	—
	Dekheila (A)	—	—	—	2.0	—	2.7	—	2.1	—	1.5	—	5.4	—	—	—
	Alexandria (A)	303.5	354.2	85.7	2.9	—	3.2	—	3.0	—	1.8	—	3.7	—	—	—
	Balteam	—	—	—	—	—	2.5	—	2.5	—	1.5	—	3.6	—	—	—
	Damietta	—	—	—	—	—	2.2	—	2.3	—	1.2	—	3.0	—	—	—
	Port Said (A)	(290.6)	(312.8)	84.8	0.8	—	1.6	—	1.5	—	1.3	—	5.0	—	—	—
	E Arish	—	—	—	2.5	—	3.2	—	2.5	—	2.2	—	4.2	—	—	—
	Ghazza	285.2	353.6	80.6	1.7	—	2.1	—	1.5	—	1.5	—	5.7	—	—	—
Lower Egypt	El Sirw	—	—		—	—	1.6	—	2.5		0.8	—	3.3	—	—	—
	Sakha	—			—	—	2.3		2.2	—	0.7	—	3.5	—	—	14.0
	Mansoura	—			—	—	1.0	—	2.1		—	—	4.6	—	—	—
	Damanhour	—	—	—	—	—	1.6		2.2	—	1.1		2.7	—	—	—
	Gimmeiza	(267.9)	(354.5)	75.6	—	—	1.0		2.8	—	0.2	—	4.5	—	—	—
	Tanta	297.0	354.5	83.8	—	—	0.9		2.1		0.2	—	4.4	60	88	—
	Tahrir	301.0	354.6	84.9	—	—	1.5	—	2.5		0.7		6.3	—	—	13.6
	Shebin El Kom	—			—		1.5	—	2.5		0.1		2.4	—	—	—
	Zagazig	—	—		—	—	1.7	—	2.6		0.3		3.9	—	—	—
	Abu Sueir (A)			—	1.8		1.7		2.6		0.9	—	8.0	68	—	14.4
	Zaher (A)			—	—		1.6		2.0		0.3		7.3	—		
	Wadi El Natrun			—	—		1.0		2.3		0.6		5.8	—	—	—
	Inshas (A)		—		0.7	—	1.7		1.9		0.5	—	5.8	—	—	—
	Fayed (A)				—		1.6		1.8		0.4		9.8	—		—
	Kabrit (A)				—		2.7	—	2.1		0.2	—	8.4		—	
Cairo Area	Cairo (A)	—			1.4		2.6		2.4		0.9	—	9.4	—	—	—
	Mostafa Helmi (A)			—	0.5		2.0		2.2		0.6	—	7.9	—	—	—
	Almaza (A)	298.0	355.0	83.9	1.5		2.1		2.2		0.7	—	8.1		—	—
	Abbasiya (H.Q.)	293.8	355.0	82.8	1.0		2.0		1.9		0.6	—	5.1	66	42	—
	Imbaba (A)	—					1.7	—	2.1	—		—	6.3	—	—	—
	Giza	290.6	355.0	81.9			1.8		1.8	—	0.3	—	5.8	—	—	12.0
	Helwan	(299.2)	(343.7)	87.0	0.6		1.2		1.8		0.6	—	11.5		—	—
Upper Egypt	Fayoum				—		0.7		1.3		0.4	—	6.8		—	—
	Beni Suef	—			—	—	0.4		1.2	—	0.0	—	5.4		—	13.8
	Seds			—	—	—	0.2		0.3	—	0.0	—	4.6	—	—	—
	Minya (A)			—	0.0		0.8	—	0.9		0.2	—	6.4	61	40	13.2
	Mallawi			—	—		0.8		0.2		0.5	—	2.3		—	12.0
	Asyout (Mangabad) (A)	—	—	—	0.0		0.7		0.2		0.0	—	10.4	—	43	15.5
	Shandaweel	(251.1)	(309.2)	81.2	—		0.2	—	0.2		0.2	—	3.8	—	—	—
	Nag Hammadi	—		—	—		0.0		0.2		0.0	—	4.8	—	—	16.4
	Kena		—	—	—		0.0		0.1		0.1		5.6	—	—	16.7
	Luxor (A)		—	—	0.1		0.2		0.2		0.1		7.5	64	44	13.0
	Kom Ombo			—	—		0.2		0.0		0.2		11.3	—	—	13.4
	Aswan (A)	—	—	—	0.1		0.2		0.0		0.1		17.9		—	—
Western Desert	Siwa		—		0.6		0.6	—	1.9		0.9	—	7.3	72	43	10.8
	Bahariya		—	—	0.4		1.4		1.4		0.3		6.3	—	—	—
	Farafra		—	—	0.0	—	0.0		0.6		0.1		12.9	—	—	—
	Dakhla	—	—	—	0.0		0.1	—	0.4		0.0		13.0	—	44	8.5
	Kharga		—	—	0.0		0.0	—	0.3		0.1		9.1	—	—	12.4
Red Sea	Suez	—	—	—	—		2.0		1.3		0.5	—	7.9	—	—	—
	Tor	—	—	—	0.4	—	0.4	—	0.8	—	0.5	—	5.6	—	—	—
	Hurghada	—	—	—	0.4	—	0.3	—	0.5	—	0.5	—	14.8	—	—	—
	Quseir	—	—	—	0.4	—	0.4		0.4		0.3	—	14.0	—	—	—
	Abul Kizan	—	—	—	—	—	2.7		2.6	—	2.2	—	3.4	—	—	—

Table A7. SOIL TEMPERATURES (°C) AT FIXED HOURS

OCTOBER 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
MEDITERRANEAN	Mersa Matruh (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	25.6	27.0	1	23.4	30	25.4	27.0	1	23.0	29	24.4	26.7	1	23.0	29	25.5	27.0	8	23.3	29
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	26.2	27.8	1	23.6	31	26.1	27.8	1	23.2	30	26.0	27.5	1,3	23.2	30	26.0	27.7	3	23.3	30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LOWER EGYPT	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	26.3	27.3	*	24.4	31	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	26.4	27.0	*	25.0	30-31	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	28.1	31.0	3,4	22.0	*	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	27.5	29.5	3-4	25.5	30,31	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	20.1	23.0	12	15.2	28	25.5	28.2	11	20.0	28	23.8	26.8	11	15.0	27
		10	—	—	—	—	—	23.3	25.5	6-12	18.2	28	25.7	28.2	12	21.0	28	25.7	28.3	5	18.2	27
		20	—	—	—	—	—	23.3	25.2	5-6	19.2	28	23.4	25.4	5	19.5	28	23.9	26.0	5	20.0	27,28
		50	—	—	—	—	—	26.7	28.1	1,2	24.0	31	26.5	28.0	2	23.9	31	26.4	27.9	2	23.6	31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS
OCTOBER 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
Lower Egypt (*contd.*)	Tahrir	5	—	—	—	—	—	19.4	22.2	12	16.0	28	34.4	38.8	11	29.2	28	24.6	28.1	11	19.2	27
		10	—	—	—	—	—	20.0	22.5	12	16.1	28	30.3	33.5	11	27.4	28	26.3	29.9	11	21.9	28
		20	—	—	—	—	—	23.2	25.5	12	19.7	22	25.3	27.6	12	22,6	28	26,9	29,2	11	24.1	28
		50	—	—	—	—	—	25.9	27.2	1	23.7	31	25.6	26.8	*	23.4	29,30,31	25.7	27.0	6	23.6	29·30
		100	—	—	—	—	—	26.7	27.9	1	25.1	31	—	—	—	—	—	26.6	27.8	1	25.1	31
		200	—	—	—	—	—	27.4	28.3	1	26.5	31	—	—	—	—	—	27.4	28.2	1,2,3	26.6	29,30,31
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	26.2	28.0	8	24.5	30,31	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	26.5	27.5	3	25.2	31	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	26.4	28.5	2·6	24.8	30	—	—	—	—	—	—	—	—	—	—
Cairo Area	Giza	5	—	—	—	—	—	22.1	24.8	5	19.2	17	33.6	37.3	13	29.9	27	27.1	29.7	4	23.5	27
		10	—	—	—	—	—	24.2	26.6	5	21.8	29	28.7	30.9	12	26.5	28,31	28.6	30.8	5	26.0	29
		20	—	—	—	—	—	27.0	28.6	6	25.1	30·31	27.0	28.6	5,6	25.1	31	27,9	29,6	5	25.9	29
		50	—	—	—	—	—	28.6	29.8	1	26.9	31	28.5	29.7	1	26.6	31	28.4	29,6	1·4	26.6	31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Upper Egypt	Seds	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	25.2	—	—	—	—	24.7	—	—	—	—	24.5	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	5	24.4	27.0	13	21.5	19	22.0	26.0	6	20.0	*	27.2	33.5	12	27.0	31	27.2	30.0	12	25.0	20,31
		10	26.8	29.2	13	25.0	19·23	25.1	27.3	6	23.0	18,30	28.4	30.2	5,12	26.0	31	28.4	31.0	12	25.7	30
		20	27.2	28.7	12.13	26.0	*	26.5	28.1	6	25.0	18,30,31	27.1	29.4	5	25.0	31	27.7	29.5	6	26.3	29·31
		50	27.8	29.0	5·7·14	26.4	31	27.8	29.0	14	26.5	31	27.8	29.0	14	26.5	29,30,31	27.9	29.0	*	26.4	31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

TABLE A 7 (*contd.*)— SOIL TEMPERATURES (°C) AT FIXED HOURS
OCTOBER 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
UPPER EGYPT (*contd.*)	Mallawi . . .	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	22.6	24.0	1	21.2	31	22.6	24.0	1	21.2	31	22.6	24.0	1	21.2	31
		100	—	—	—	—	—	23.3	24.5	1	22.3	29,30,31	23.3	24.5	1	22.3	29,30,31	23.3	24.5	1	22.3	29,30,31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel . .	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	26.2	27.3	2	24.0	28	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	26.4	27.4	1	25.2	31	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo . .	5	—	—	—	—	—	25.4	28.0	9	22.3	30	47.3	59.5	11	40.8	19	27.4	30.6	24	23.0	29
		10	—	—	—	—	—	25.4	—	—	—	—	41.9	—	—	—	—	27.7	—	—	—	—
		20	—	—	—	—	—	26.8	29.0	9	24.3	30	33.6	36.4	6	30.5	30·31	28.6	31.0	13	25.6	29
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 8 FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

OCTOBER 1961

District	Station	Pricipitation: Rain	Pricipitation: Snow	Pricipitation: Ice pellets	Pricipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres.	Fog, vis. < 1 00 metres	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres.	Dust rising Sand rising vis. ≥ 1000 metres.	Duststorm / Sandstorm vis. < 1000 metres.	Drifting Snow: Slight moderate vis. below eye level ≥ 1000 metres	Drifting Snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing Snow: Slight / moderate vis. below eye level ≥ 1000 metres	Blowing Snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear Sky	Cloudy Sky
MEDITERRANEAN	Sallum	6	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	21	0
	Sidi Barrani	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	—	—
	Mersa Matruh (A)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0
	Dabaa	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Dekheila (A)	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	15	1
	Alexandria (A)	3	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	11	1
	Balteam	2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0		
	Damietta	4	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0		
	Port Said (A)	1	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	23	0
	El Arish	3	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	14	1
	Ghazza	4	0	0	0	0	3	3	1	0	0	0	0	0	0	0	0	0	20	1
LOWER EGYPT	El Sirw	4	—															—	—	—
	Sakha	1	—															—	—	—
	Mansoura	3	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	—	—
	Damanhour	3	—																—	—
	Gimmeiza	1	—															—	—	—
	Tanta	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	1	0	0	1	0	1	15	5	0	0	1	1	0	0	0	0	0	—	—
	Shebin El Kom		0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	—	—
	Zagazig	2	—															—	—	—
	Abu Sueir (A)	3	0	0	0	0	1	14	2	0	0	4	0	0	0	0	0	0	17	0
	Zaher (A)	2	0	0	0	0	0	5	1	1	0	0	1	0	0	0	0	0	—	—
	Wadi El Natrun	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	—	—
	Inshas (A)	1	0	0	0	0	0	6	2	0	0	2	0	0	0	0	0	0	21	0
	Fayed (A)	0	0	0	0	0	1	0	0	1	0	1	1	0	0	0	0	0	—	—
	Kabrit (A)	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0		—
CAIRO AREA	Cairo (A)	1	0	0	0	0	0	14	4	5	0	0	0	0	0	0	0	0	14	0
	Mostafa Helmi (A)	1	0	0	0	0	0	22	6	1	0	2	1	0	0	0	0	0	21	0
	Almaza (A)	1	0	0	0	0	0	16	3	12	0	1	0	0	0	0	0	0	20	0
	Abbasiya (H.Q.)	1	0	0	0	0	0	6	1	0	0	0	0	0	0	0	0	0	23	0
	Imbaba (A)	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	—	—
	Giza	0	0	0	0	0	0	6	3	1	0	1	0	0	0	0	0	0	—	—
	Helwan	1	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	25	0

Table A8 *(contd.)*. —**FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.**
OCTOBER 1961

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres.	Fog vis. < 1000 metres.	Haze vis. ≥ 1000 metres.	Thick haze vis. < 1000 metres.	Dust rising / Sand rising vis. ≥ 1000 metres.	Dust-storm / Sandstorm vis. < 1000 metres.	Drifting Snow: Slight moderate vis. below eye level ≥ 1000 metres	Drifting Snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing Snow: Slight / moderate vis. below eye level ≥ 1000 metres	Blowing Snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear Sky	Cloudy Sky
Upper Egypt	Fayoum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—
	Beni Suef	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—
	Seds	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	30	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad) (A)	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	31	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	Kom Ombo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Aswan (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
Western Desert	Siwa	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	24	0
	Bahariya	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	27	0
	Farafra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
	Kharga	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	31	0
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tor	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	28	1
	Hurghada	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	29	1
	Quseir	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	30	0
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

OCTOBER 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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	61	0	0	1–10	220	57	21	15	15	24	48	63	59	19	15	93	649
					11–27	12	1	0	0	0	0	0	1	2	1	4	13	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	**232**	**58**	**21**	**15**	**15**	**24**	**48**	**64**	**61**	**20**	**19**	**106**	**683**
	Mersa Matruh (A)	16	0	0	1–10	107	26	16	15	19	23	35	30	71	59	29	111	541
					11–27	40	8	9	13	2	0	4	17	14	7	11	62	187
					28–47	0	9	0	0	0	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**	**34**	**25**	**28**	**21**	**23**	**39**	**47**	**85**	**66**	**40**	**173**	**728**
	Dekheila (A)	3	0	0	1–10	256	57	28	16	11	14	14	19	23	7	21	194	660
					11–27	32	4	0	0	0	0	0	0	2	2	1	40	81
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**288**	**61**	**28**	**16**	**11**	**14**	**14**	**19**	**25**	**9**	**22**	**234**	**741**
	Alexandria (A)	12	2	1	1–10	304	120	34	14	15	9	11	14	26	11	8	94	660
					11–27	34	7	3	0	0	0	0	1	2	1	0	21	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	**338**	**127**	**37**	**14**	**15**	**9**	**11**	**15**	**28**	**12**	**8**	**115**	**729**
	Port Said (A)	0	0	2	1–10	123	76	41	5	4	5	10	2	24	15	54	173	532
					11–27	72	31	0	0	0	0	0	12	8	4	11	72	210
					28–47	0	0	0	0	0	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**	**107**	**41**	**5**	**4**	**5**	**10**	**14**	**32**	**19**	**65**	**245**	**742**
	El Arish	32	2	5	1–10	129	96	10	6	8	68	59	76	45	16	57	125	695
					11–27	0	0	0	0	1	3	1	2	3	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	**129**	**96**	**10**	**6**	**9**	**71**	**60**	**78**	**48**	**16**	**57**	**125**	**705**
Lower Egypt	Tanta	20	1	0	1–10	54	57	18	7	5	6	18	55	76	86	173	162	717
					11–27	0	2	1	0	0	0	0	0	0	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	**54**	**59**	**19**	**7**	**5**	**6**	**18**	**55**	**76**	**87**	**174**	**163**	**723**
	Abu Sueir (A)	67	1	28	1–10	106	74	21	8	3	2	3	15	55	39	45	125	496
					11–27	35	67	14	0	0	0	0	3	14	8	1	10	152
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**141**	**141**	**35**	**8**	**3**	**2**	**3**	**18**	**69**	**47**	**46**	**135**	**648**
	Zaher (A)	44	5	0	1–10	145	95	26	9	8	8	11	30	48	33	53	139	605
					11–27	27	35	1	0	0	0	0	3	14	1	1	8	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	**172**	**130**	**27**	**9**	**8**	**8**	**11**	**33**	**62**	**34**	**54**	**147**	**695**

Table A 9 (*contd.*)—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

OCTOBER 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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	
Cairo Area	Cairo . . . . . (A)	134	0	12	1–10	70	130	51	5	1	3	7	8	5	4	18	87	389
					11–27	24	91	17	7	5	2	7	14	12	5	2	23	209
					28–47	0	0	0	0	0	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**	**221**	**68**	**12**	**6**	**5**	**14**	**22**	**17**	**9**	**20**	**110**	**598**
	Mostafa Helmi . (A)	0	0	35	1–10	86	70	18	2	4	5	10	9	7	6	33	108	358
					11–27	114	163	16	2	0	0	7	11	4	6	0	28	351
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**200**	**233**	**34**	**4**	**4**	**5**	**17**	**20**	**11**	**12**	**33**	**136**	**709**
	Almaza . . . . (A)	4	4	0	1–10	42	125	297	38	20	17	14	24	16	19	11	18	641
					11–27	2	32	58	0	0	1	0	0	1	1	0	0	95
					28–47	0	0	0	0	0	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**	**157**	**355**	**38**	**20**	**18**	**14**	**24**	**17**	**20**	**11**	**18**	**736**
	Abbasiya . . . (H Q)	132	0	1	1–10	18	157	21	3	2	4	20	20	12	15	30	137	607
					11–27	0	4	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	**186**	**161**	**21**	**3**	**2**	**4**	**20**	**20**	**12**	**15**	**30**	**137**	**611**
	Giza	41	2	2	1–10	270	143	20	0	2	17	17	4	34	6	14	160	687
					11–27	3	8	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
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**273**	**151**	**20**	**0**	**2**	**17**	**17**	**4**	**34**	**7**	**14**	**160**	**699**
Upper Egypt	Minya . . . . . (A)	25	1	0	1–10	251	85	7	0	0	10	5	1	20	9	4	84	476
					11–27	65	165	0	0	0	0	0	0	1	3	4	4	272
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**316**	**250**	**7**	**0**	**0**	**10**	**5**	**1**	**21**	**12**	**8**	**88**	**718**
	Luxor . . . . . (A)	53	3	0	1–10	58	84	15	6	14	21	43	144	109	23	60	111	688
					11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**58**	**84**	**15**	**6**	**14**	**21**	**43**	**144**	**109**	**23**	**60**	**111**	**688**
Western Desert	Siwa	191	5	1	1–10	77	38	48	23	28	23	8	12	8	39	88	84	476
					11–27	9	6	6	0	4	0	0	0	0	1	24	20	70
					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	**86**	**44**	**54**	**23**	**32**	**23**	**8**	**13**	**8**	**40**	**112**	**104**	**547**
	Dakhla	2	14	254	1–10	32	13	2	0	0	0	1	6	14	49	89	75	281
					11–27	76	5	0	0	0	0	0	0	0	1	14	97	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	**108**	**18**	**2**	**0**	**0**	**0**	**1**	**6**	**14**	**50**	**103**	**172**	**474**
Red Sea	Hurghada	3	0	0	1–10	48	17	4	5	6	4	3	2	3	3	154	73	322
					11–27	155	0	0	0	0	0	0	0	0	0	35	227	417
					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	**203**	**17**	**4**	**5**	**6**	**4**	**3**	**2**	**3**	**3**	**189**	**302**	**741**

Table A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS. SALLUM—OCTOBER 1961

Hour (U.T.)	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	1	0	1	0	3	2	3	7	23
				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	2	0	0	1	0	1	0	3	3	4	8	26
0300	6	0	0	1–10	5	1	0	0	0	0	2	0	0	1	7	6	22
				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	5	1	0	0	0	0	2	0	1	2	8	6	25
0600	3	0	0	1–10	3	0	0	0	0	0	0	0	2	2	6	6	19
				11–27	1	0	0	0	0	0	0	2	1	2	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	4	0	0	0	0	0	0	2	3	4	8	7	28
0900	2	0	0	1–10	3	2	2	3	0	0	1	0	4	5	0	1	26
				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	3	4	2	3	0	0	1	0	4	5	0	2	29
1200	2	0	0	1–10	0	5	5	2	1	0	1	0	1	0	0	2	18
				11–27	0	7	2	0	0	1	0	0	0	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	12	7	2	2	1	1	0	1	1	0	2	29
1500	2	0	0	1–10	6	5	1	2	0	1	0	0	0	0	0	1	19
				11–27	4	3	0	1	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	10	8	4	3	0	1	0	0	0	1	0	2	29
1800	6	0	0	1–10	9	2	1	3	0	0	2	0	0	1	0	6	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	9	2	1	3	1	0	2	0	0	1	0	6	25
2100	9	0	0	1–10	5	3	0	2	0	0	0	0	0	1	3	4	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	1	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	3	0	2	0	0	0	0	0	2	3	4	22

Table A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MERSA MATRUH (A) — OCTOBER 1961

Hour (G.M.T.)	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	0	0	0	0	1	4	3	4	8	3	1	26
				11-27	1	0	0	0	0	0	1	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	**3**	**0**	**0**	**0**	**0**	**1**	**5**	**4**	**5**	**8**	**3**	**1**	**30**
0300	1	0	0	1-10	0	0	0	0	0	1	3	3	8	7	1	1	24
				11-27	2	0	0	0	0	0	0	2	1	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**	**0**	**0**	**0**	**0**	**1**	**3**	**5**	**9**	**7**	**2**	**1**	**30**
0600	3	0	0	1-10	1	1	0	0	0	1	0	2	11	5	1	0	22
				11-27	2	0	0	0	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	**3**	**1**	**0**	**0**	**0**	**1**	**0**	**4**	**11**	**6**	**1**	**1**	**28**
0900	0	0	0	1-10	4	1	0	0	2	1	1	0	2	0	1	9	21
				11-27	2	0	0	2	1	0	0	0	0	1	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	**6**	**1**	**0**	**2**	**3**	**1**	**1**	**0**	**2**	**1**	**2**	**12**	**31**
1200	0	0	0	1-10	9	1	0	0	0	0	0	0	0	0	0	2	12
				11-27	5	2	1	3	0	0	0	0	0	0	2	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	14	**3**	**1**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**8**	**31**
1500	0	0	0	1-10	3	3	3	0	0	0	0	0	0	0	0	7	16
				11-27	3	2	1	1	0	0	0	0	0	0	2	6	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**	5	**4**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**13**	**31**
1800	2	0	0	1-10	5	1	1	2	3	1	0	0	1	1	0	9	24
				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	**6**	**1**	**1**	**2**	**3**	**1**	**0**	**0**	**1**	**1**	**1**	**12**	**29**
2100	5	0	0	1-10	5	1	1	1	0	3	2	0	2	1	0	5	21
				11-27	2	0	0	0	0	0	0	0	2	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	**1**	**1**	**1**	**0**	**3**	**2**	**0**	**4**	**1**	**0**	**6**	**26**

Table A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DEKHEILA (A) — OCTOBER 1961

Hour (U.T.)	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	5	1	2	0	1	0	0	1	1	2	5	28
				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	**11**	5	**1**	**2**	**0**	**1**	**0**	**0**	**1**	1	**2**	**7**	**30**
0300	0	0	0	1-10	10	1	2	1	2	0	1	2	0	0	2	6	27
				11-27	1	0	0	0	0	0	0	0	1	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	**11**	**1**	**2**	**1**	**2**	**0**	**1**	**2**	**1**	**0**	**2**	**8**	**31**
0600	1	0	0	1-10	11	4	1	1	1	2	0	2	1	0	0	5	28
				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	**12**	**4**	**1**	**1**	**1**	**2**	**0**	**2**	**2**	**0**	**0**	5	**30**
0900	0	0	0	1-10	13	3	0	0	0	0	2	0	2	1	0	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**	**3**	**0**	**0**	**0**	**0**	**2**	**0**	**2**	**1**	**1**	**8**	**31**
1200	0	0	0	1-10	14	0	0	0	0	0	0	0	0	1	1	9	25
				11-27	1	1	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	**15**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**13**	**31**
1500	0	0	0	1-10	9	4	0	0	0	0	0	0	0	1	1	9	24
				11-27	4	1	0	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	13	5	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**11**	**31**
1800	0	0	0	1-10	12	5	3	0	0	0	0	2	0	0	0	4	26
				11-27	4	0	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	**16**	**5**	**3**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**5**	**31**
2100	0	0	0	1-10	11	3	2	2	1	0	0	1	0	0	0	6	26
				11-27	3	0	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	**14**	**3**	**2**	**2**	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**7**	**31**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ALEXANDRIA (A) — OCTOBER 1961

Hour (U.T.)	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	14	7	0	0	1	2	0	2	0	0	1	2	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	**15**	**7**	**0**	**0**	**1**	**2**	**0**	**2**	**0**	**0**	**1**	**2**	**30**
0300	1	0	0	1-10	14	5	1	1	1	2	1	0	1	0	0	3	29
				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	**14**	**5**	**1**	**1**	**1**	**2**	**1**	**0**	**2**	**0**	**0**	**3**	**30**
0600	2	0	0	1-10	11	5	2	1	1	1	0	2	0	0	0	3	26
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**12**	**5**	**2**	**1**	**1**	**1**	**0**	**2**	**2**	**0**	**0**	**3**	**29**
0900	0	0	0	1-10	11	0	4	2	0	0	0	2	1	1	1	3	25
				11-27	3	1	1	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	**14**	**1**	**5**	**2**	**0**	**0**	**0**	**2**	**1**	**2**	**1**	**3**	**31**
1200	0	0	0	1-10	11	1	0	0	0	0	0	0	0	0	1	3	16
				11-27	5	1	1	0	0	0	0	0	1	0	0	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	**16**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**10**	**31**
1500	0	0	0	1-10	11	7	1	0	0	0	0	0	0	1	0	6	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**	**7**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**8**	**31**
1800	0	0	0	1-10	18	6	4	0	0	0	0	0	2	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	**18**	**6**	**4**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**1**	**31**
2100	1	0	0	1-10	14	5	3	1	1	0	0	0	2	0	0	3	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	**15**	**5**	**3**	**1**	**1**	**0**	**0**	**0**	**2**	**0**	**0**	**3**	**30**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

PORT SAID (A) — OCTOBER 1961

Hour (U.T.)	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	1	3	1	0	0	1	0	1	0	4	10	25
				11–27	2	1	0	0	0	0	0	0	1	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	**6**	**2**	**3**	**1**	**0**	**0**	**1**	**0**	**2**	**0**	**4**	**11**	**30**
0300	0	0	0	1–10	5	1	3	0	0	0	1	1	2	3	0	6	23
				11–27	1	3	0	0	0	0	0	2	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	**7**	**4**	**3**	**0**	**0**	**0**	**1**	**3**	**2**	**4**	**0**	**7**	**31**
0600	0	0	0	1–10	5	5	0	2	0	0	1	0	2	0	5	3	23
				11–27	1	3	0	0	0	0	0	1	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	**6**	**8**	**0**	**2**	**0**	**0**	**1**	**1**	**3**	**0**	**5**	**5**	**31**
0900	0	0	0	1–10	2	0	2	0	0	1	0	0	1	2	2	9	27
				11–27	0	3	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**2**	**3**	**2**	**0**	**0**	**1**	**0**	**1**	**1**	**2**	**3**	**10**	**31**
1200	0	0	0	1–10	5	5	1	0	0	0	0	0	1	0	0	10	16
				11–27	3	5	0	0	0	0	0	1	0	0	1	6	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**	**3**	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**1**	**16**	**31**
1500	0	0	0	1–10	5	2	0	0	0	0	0	0	0	0	1	5	13
				11–27	5	3	0	0	0	0	0	0	1	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**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**12**	**31**
1800	0	0	0	1–10	4	3	0	0	0	0	0	0	1	0	2	8	18
				11–27	8	1	0	0	0	0	0	0	0	0	0	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	**12**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**2**	**12**	**31**
2100	0	0	0	1–10	5	6	3	0	1	0	0	0	1	0	2	9	27
				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	**7**	**6**	**3**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**2**	**11**	**31**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS EL ARISH — OCTOBER 1961

Hour (U.T.)	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 direction.
0000	5	0	0	1-10	5	3	0	0	0	7	5	6	2	0	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	5	3	0	0	0	7	5	6	2	0	0	0	28
0300	4	0	0	1-10	2	3	0	0	0	9	5	6	2	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	2	3	0	0	0	9	5	6	2	0	0	0	27
0600	3	0	0	1-10	3	1	0	1	1	3	6	4	6	0	0	2	27
				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	3	1	0	1	1	3	7	4	6	0	0	2	28
0900	0	0	0	1-10	5	6	0	0	0	1	0	1	0	1	8	8	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	5	6	0	0	0	1	0	1	0	2	8	8	31
1200	0	0	0	1-10	9	0	0	0	0	0	0	0	0	1	4	15	29
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	0	0	0	0	1	0	0	0	1	4	15	31
1500	0	0	0	1-10	10	1	1	0	1	0	0	0	0	2	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	10	1	1	0	1	0	0	0	0	2	3	13	31
1800	1	0	0	1-10	11	8	0	1	0	0	1	1	1	1	0	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	11	8	0	1	0	0	1	1	1	1	0	6	30
2100	10	0	0	1-10	7	3	0	0	0	0	4	2	0	0	3	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	7	3	0	0	0	0	4	2	0	0	3	2	21

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

GHAZZA — OCTOBER 1961

Hour (U.T.)	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	1	0	3	6	16	2	0	0	0	0	0	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	**2**	**2**	**0**	**3**	**6**	**16**	**2**	**0**	**0**	**0**	**0**	**0**	**31**
0300	0	0	0	1–10	2	0	0	2	5	19	1	0	0	0	0	0	29
				11–27	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
				48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**2**	**0**	**0**	**2**	**5**	**21**	**1**	**0**	**0**	**0**	**0**	**0**	**31**
0600	0	0	0	1–10	2	1	0	3	2	12	9	0	0	1	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	**2**	**1**	**0**	**3**	**2**	**21**	**9**	**0**	**0**	**1**	**0**	**1**	**31**
0900	0	0	0	1–10	6	1	0	0	0	1	1	0	4	9	8	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	**6**	**1**	**0**	**0**	**0**	**1**	**1**	**0**	**4**	**9**	**8**	**1**	**31**
1200	0	0	0	1–10		0	0	0	0	0	0	0	2	4	5	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	8	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**5**	**12**	**31**
1500	0	0	0	1–10	14	0	0	0	0	0	0	0	0	2	2	10	28
				11–27	2	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**16**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**2**	**2**	**10**	**31**
1800	0	0	0	1–10	13	2	2	3	1	0	1	0	0	2	0	3	27
				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**	**2**	**2**	**3**	**1**	**0**	**1**	**0**	**0**	**2**	**0**	**3**	**31**
2100	0	0	0	1–10	6	0	2	5	3	0	0	0	0	10	1	1	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	**9**	**0**	**2**	**5**	**3**	**0**	**0**	**0**	**0**	**10**	**1**	**1**	**31**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ABU SUEIR (A) — OCTOBER 1961

Hour (G.T.)	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	1[illegible]5 / 191	195 / 224	225 / 254	255 / 2[illegible]4	2[illegible]5 / 314	315 / 344	All directions
0000	13	0	0	1–10	2	0	0	0	0	0	0	2	1	2	5	6	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	0	0	2	1	2	5	6	18
0300	14	0	0	1–10	1	0	1	0	0	0	0	2	2	3	3	4	16
				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	0	1	0	0	0	0	3	2	3	3	4	17
0600	11	0	0	1–10	1	2	0	0	0	0	1	0	5	1	5	2	17
				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	0	0	0	0	1	0	7	1	5	3	20
0900	0	0	0	1–10	3	7	3	0	1	0	0	0	1	0	2	4	21
				11–27	2	2	2	0	0	0	0	0	2	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	5	9	5	0	1	0	0	0	3	0	3	5	31
1200	0	0	0	1–10	5	0	0	2	0	0	0	0	1	0	2	3	13
				11–27	7	6	1	0	0	0	0	0	2	1	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	12	6	1	2	0	0	0	0	3	1	3	3	31
1500	0	0	0	1–10	2	3	0	0	0	0	0	0	0	1	0	0	6
				11–27	8	13	0	0	0	0	0	0	1	2	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	10	16	0	0	0	0	0	0	1	3	0	1	31
1800	0	0	0	1–10	13	12	1	0	0	0	0	0	1	0	0	3	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	14	12	1	0	0	0	0	0	1	0	0	3	31
2100	14	0	0	1–10	1	0	0	0	0	0	0	1	2	1	3	9	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	0	0	0	0	0	0	1	2	1	3	9	17

Table A 10. — NUMBER OF OCCURRENCES OF CONCURRENT SURFCAE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

CAIRO (A) — OCTOBER 1961

Hour (U.T.)	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	4	2	2	3	0	1	2	1	0	0	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	4	2	2	3	0	1	2	1	0	0	1	20
0300	15	0	0	1-10	1	6	3	1	0	0	1	1	0	1	0	1	15
				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	6	3	1	0	0	2	1	0	1	0	1	16
0600	10	0	0	1-10	3	5	4	2	0	1	0	1	0	0	0	1	15
				11-27	1	0	0	0	0	0	1	1	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	6	4	2	0	1	1	2	0	0	0	1	21
0900	1	0	0	1-10	3	7	3	0	0	0	0	0	3	0	1	4	21
				11-27	0	6	2	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	13	5	0	0	0	0	1	3	0	1	4	30
1200	0	0	0	1-10	2	3	0	0	0	0	0	0	1	1	0	9	16
				11-27	4	6	0	0	0	0	0	1	0	2	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	6	9	0	0	0	0	0	1	1	3	1	10	31
1500	0	0	0	1-10	1	1	0	0	0	0	0	1	0	0	3	8	14
				11-27	3	9	1	0	0	0	0	0	0	1	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	4	10	1	0	0	0	0	1	0	1	3	11	31
1800	1	0	0	1-10	2	8	1	0	1	0	0	0	1	0	1	5	19
				11-27	2	8	1	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	4	16	2	0	1	0	0	0	1	0	1	5	30
2100	5	0	0	1-10	3	11	4	2	0	1	1	0	0	0	0	1	23
				11-27	0	1	0	1	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	3	12	4	3	1	1	1	0	0	0	0	1	26

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MOSTAFA HELMI (A). — OCTOBER 1961

Hour (G.T.)	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	8	1	0	0	1	1	0	0	2	0	6	26
				11–27	3	1	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**10**	**9**	**1**	**0**	**0**	**1**	**2**	**0**	**0**	**2**	**0**	**6**	**31**
0300	0	0	0	1–10	12	3	0	0	0	0	0	1	0	3	3	4	26
				11–27	2	1	0	0	0	0	0	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	**14**	**4**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**3**	**3**	**5**	**31**
0600	1	0	0	1–10	4	4	0	0	0	1	0	0	2	1	2	4	18
				11–27	8	2	0	0	0	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	**6**	**0**	**0**	**0**	**1**	**0**	**1**	**2**	**1**	**2**	**5**	**30**
0900	0	0	0	1–10	4	3	2	0	0	0	2	1	0	0	1	1	14
				11–27	2	9	4	0	0	0	0	1	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	**6**	**12**	**6**	**0**	**0**	**0**	**2**	**2**	**0**	**0**	**1**	**2**	**31**
1200	0	0	0	1–10	2	1	2	0	0	0	0	0	2	0	0	2	9
				11–27	8	11	0	0	0	0	0	1	0	1	0	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	**10**	**12**	**2**	**0**	**0**	**0**	**0**	**1**	**2**	**1**	**0**	**3**	**31**
1500	0	0	0	1–10	2	2	0	0	0	0	0	0	0	0	1	0	5
				11–27	10	13	0	0	0	0	0	0	1	1	0	1	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	**12**	**15**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**31**
1800	0	0	0	1–10	3	0	2	0	0	0	0	1	0	0	0	1	7
				11–27	12	9	1	0	0	0	0	0	0	0	0	2	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	**15**	**9**	**3**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**3**	**31**
2100	0	0	0	1–10	9	5	2	1	0	0	1	0	0	0	0	4	22
				11–27	4	3	0	2	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	**13**	**8**	**2**	**3**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**4**	**31**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS ALMAZA (A) — OCTOBER 1961

Hour (U.T.)	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	6	14	3	2	0	0	3	1	0	0	0	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	0	6	14	3	2	0	0	3	1	0	0	0	29
0300	9	0	0	1-10	0	5	9	2	0	1	1	3	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	0	5	9	2	0	1	1	3	0	0	0	1	22
0600	2	0	0	1-10	1	9	9	4	0	0	2	2	0	1	0	0	28
				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	9	10	4	0	0	2	2	0	1	0	0	29
0900	0	0	0	1-10	2	8	6	2	0	0	0	0	1	1	2	1	23
				11-27	0	2	4	1	0	0	0	1	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	10	10	3	0	0	0	1	1	1	2	1	31
1200	0	0	0	1-10	5	6	2	1	0	0	0	0	2	1	1	3	21
				11-27	1	5	3	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	6	11	5	1	0	0	0	0	2	1	1	4	31
1500	0	0	0	1-10	3	6	3	0	0	0	0	0	1	1	2	2	18
				11-27	1	6	6	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	4	12	9	0	0	0	0	0	1	1	2	2	31
1800	0	0	0	1-10	1	5	16	0	0	1	0	0	0	1	1	0	25
				11-27	0	2	4	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	1	7	20	0	0	1	0	0	0	1	1	0	31
2100	0	0	0	1-10	1	6	15	3	4	1	1	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	1	6	15	3	4	1	1	0	0	0	0	0	31

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

GIZA — OCTOBER 1961

Hour (U.T.)	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	0	0	0	0	1	0	0	0	1	4	7	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	0	0	0	0	1	0	0	0	1	4	7	20
0300	10	0	1	1-10	8	1	0	0	0	0	2	0	0	0	1	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	8	1	0	0	0	0	2	0	0	0	1	8	20
0600	5	0	0	1-10	8	2	0	0	0	0	3	0	0	0	2	11	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	8	2	0	0	0	0	3	0	0	0	2	11	26
0900	1	0	0	1-10	14	7	3	0	0	2	0	1	0	0	1	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	14	7	3	0	0	2	0	1	0	0	1	2	30
1200	0	0	0	1-10	13	7	0	0	0	0	1	0	2	2	0	3	28
				11-27	1	2	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	14	9	0	0	0	0	1	0	2	2	0	3	31
1500	1	0	0	1-10	17	8	0	0	0	0	0	0	1	1	0	2	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	18	8	0	0	0	0	0	0	1	1	0	2	30
1800	5	0	0	1-10	7	12	2	0	0	0	0	0	0	1	0	3	25
				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	13	2	0	0	0	0	0	0	1	0	3	26
2100	6	0	0	1-10	9	6	4	0	0	0	0	0	0	0	1	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	9	6	4	0	0	0	0	0	0	0	1	5	25

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

MINYA (A)—OCTOBER 1961

Hour (U.T.)	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	17	2	0	0	0	0	0	0	0	0	0	2	21
				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	**21**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**27**
0300	1	0	0	1–10	22	1	0	0	0	1	1	0	0	0	0	3	28
				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	**24**	**1**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**3**	**30**
0600	1	0	0	1–10	9	5	1	0	0	1	1	0	0	2	0	0	19
				11–27	5	5	0	0	0	0	0	0	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	**14**	**10**	**1**	**0**	**0**	**1**	**1**	**0**	**0**	**2**	**0**	**1**	**30**
0900	1	0	0	1–10	0	12	0	0	0	0	0	0	0	2	1	2	17
				11–27	4	9	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	**4**	**21**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**2**	**30**
1200	0	0	0	1–10	2	6	1	0	0	0	0	0	0	2	0	3	15
				11–27	6	8	0	0	0	0	0	0	0	0	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	**8**	**14**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**4**	**31**
1500	1	0	0	1–10	13	6	0	0	0	0	0	0	0	0	3	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	00
				All speeds	**19**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**2**	**30**
1800	2	0	0	1–10	19	3	0	0	0	0	1	0	0	1	2	1	27
				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	**19**	**5**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**2**	**1**	**29**
2100	2	0	0	1–10	13	3	1	0	0	0	0	0	0	0	1	4	22
				11–27	3	4	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	**16**	**7**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**29**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ASYOUT (A)—OCTOBER 1961

Hour (G.T.)	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	4	15	3	2	24
				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	0	0	0	0	0	0	0	4	15	3	4	27
0300	5	0	0	1-10	1	0	0	0	0	0	0	0	3	16	1	3	24
				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	0	0	0	0	0	0	0	3	17	1	3	26
0600	4	0	0	1-10	2	0	0	0	0	0	0	0	0	7	9	7	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	3	0	0	0	0	0	0	0	0	7	9	8	27
0900	3	0	0	1-10	2	0	0	0	0	0	0	0	0	0	9	15	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	3	0	0	0	0	0	0	0	0	0	9	16	28
1200	1	0	0	1-10	0	0	0	0	0	0	0	0	0	0	4	7	11
				11-27	2	0	0	0	0	0	0	0	0	0	7	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	2	0	0	0	0	0	0	0	0	0	11	17	30
1500	0	0	0	1-10	1	0	0	0	0	0	0	0	0	1	8	8	18
				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	1	0	0	0	0	0	0	0	0	1	14	15	31
1800	4	0	0	1-10	0	0	0	0	0	0	0	2	3	10	3	6	24
				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	0	0	0	0	0	0	0	2	3	10	3	9	27
2100	5	0	0	1-10	0	0	0	0	0	0	0	0	6	12	2	2	22
				11-27	1	0	0	0	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0	6	12	3	4	26

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OVSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

LUXOR (A) — OCTOBER 1961

Hour (U.T.)	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	0	0	2	1	0	9	10	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	2	1	0	9	10	0	0	0	22
0300	16	0	0	1-10	0	0	1	0	1	0	1	10	2	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	1	0	1	0	1	10	2	0	0	0	15
0600	13	0	0	1-10	0	2	0	0	1	1	0	5	9	0	4	6	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	2	0	0	1	1	0	5	9	0	4	6	18
0900	0	0	0	1-10	7	9	1	0	0	0	0	0	0	1	1	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	9	1	0	0	0	0	0	0	1	1	12	31
1200	1	0	0	1-10	7	8	1	0	0	0	0	0	0	2	3	9	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	1	0	0	0	0	0	0	2	3	9	30
1500	9	0	0	1-10	3	7	0	0	0	0	0	0	0	1	1	10	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	0	0	0	0	0	0	0	1	1	10	22
1800	18	0	0	1-10	0	0	0	0	0	0	0	2	1	2	3	5	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	2	1	2	3	5	13
2100	6	0	0	1-10	0	1	1	0	0	0	4	8	10	0	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	1	1	0	0	0	4	8	10	0	1	0	25

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ASWAN (A) — OCTOBER 1961

Hour (U.T.)	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	21	1	0	0	0	0	0	0	0	0	0	1	23
				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	**27**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**29**
0300	6	0	0	1-10	15	2	0	0	0	0	0	0	0	0	0	1	18
				11-27	7	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	22	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**25**
0600	1	0	0	1-10	20	1	1	0	0	0	0	0	0	0	0	0	22
				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	**28**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**30**
0900	1	0	0	1-10	15	[illegible]	0	0	0	0	0	0	0	0	0	0	16
				11-27	13	0	0	0	0	1	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	**28**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**30**
1200	2	0	0	1-10	20	[illegible]	1	0	0	0	0	0	0	0	0	1	22
				11-27	6	[illegible]	0	0	0	0	0	0	0	0	1	0	7
				28-47	0	[illegible]	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	[illegible]	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**26**	[illegible]	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**29**
1500	3	0	0	1-10	13	1	0	0	0	0	0	0	0	0	1	1	16
				11-27	10	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**23**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**28**
1800	2	0	0	1-10	18	1	0	0	0	0	0	0	0	0	1	2	22
				11-27	7	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
				≥ 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**	**1**	**2**	**29**
2100	0	0	0	1-10	19	0	0	0	0	0	0	0	0	0	1	1	21
				11-27	9	0	1	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	**28**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**31**

Table A 10.– NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS SIWA – OCTOBER 1961

Hour (U.T.)	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	1	3	2	4	2	0	1	0	1	0	3	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**	**3**	**2**	**4**	**2**	**0**	**1**	**0**	**1**	**0**	**3**	**1**	**18**
0300	19	0	0	1–10	0	0	2	4	1	1	0	0	0	2	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**	**0**	**2**	**4**	**1**	**1**	**0**	**0**	**0**	**2**	**1**	**1**	**12**
0600	19	0	0	1–10	5	0	0	0	0	1	0	0	0	5	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	**5**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**5**	**0**	**1**	**12**
0900	0	0	0	1–10	4	4	1	2	1	4	1	2	2	3	4	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	**4**	**4**	**1**	**2**	**1**	**4**	**1**	**2**	**2**	**3**	**4**	**3**	**31**
1200	0	0	0	1–10	9	0	1	2	0	1	1	0	2	0	2	4	22
				11–27	0	0	0	0	0	1	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**	**0**	**1**	**2**	**0**	**2**	**1**	**0**	**2**	**0**	**6**	**8**	**31**
1500	0	0	0	1–10	10	2	1	0	0	1	1	0	2	1	4	2	21
				11–27	3	0	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	**13**	**2**	**1**	**0**	**0**	**1**	**1**	**0**	**2**	**1**	**6**	**4**	**31**
1800	8	0	0	1–10	5	0	0	0	0	0	0	0	0	2	5	10	22
				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**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**5**	**10**	**23**
2100	10	0	0	1–10	0	2	5	2	1	0	0	0	0	5	1	3	19
				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	**0**	**3**	**6**	**2**	**1**	**0**	**0**	**0**	**0**	**5**	**1**	**3**	**21**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

BAHARIYA — OCTOBER 1961

Hour (G.T.)	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	7	5	0	0	0	0	0	0	0	1	0	1	14
				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	**10**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**18**
0300	22	0	0	1-10	6	1	0	0	0	0	0	0	0	1	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**	**0**	**0**	**0**	**1**	**0**	**1**	**9**
0600	20	0	0	1-10	6	1	0	0	0	0	0	1	0	1	0	0	9
				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**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**11**
0900	2	0	0	1-10	6	7	1	0	0	0	0	0	0	2	1	2	19
				11-27	5	3	0	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	**11**	**10**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**1**	**3**	**29**
1200	0	0	0	1-10	7	2	0	0	0	0	0	0	0	1	1	2	13
				11-27	6	7	0	0	0	0	0	0	0	1	3	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	**13**	**9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**3**	**31**
1500	0	0	0	1-10	9	5	1	0	0	0	0	0	0	0	1	1	17
				11-27	5	2	1	0	0	0	0	0	0	1	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	**14**	**7**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**3**	**31**
1800	3	0	0	1-10	13	4	0	0	0	0	0	0	0	0	3	2	22
				11-27	3	1	1	0	0	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	**16**	**5**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**2**	**28**
2100	6	0	0	1-10	11	5	0	0	0	0	0	0	0	0	1	1	18
				11-27	2	3	0	0	0	0	0	0	0	1	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**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**2**	**25**

Table A 10.— NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS DAKHLA OCTOBER 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of directions indicated												
					345 / 014	014 / 045	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	1	0	0	0	0	2	0	3	5	11	4	27
				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	**2**	**1**	**0**	**0**	**0**	**0**	**2**	**0**	**3**	**5**	**11**	**5**	**29**
0300	2	0	0	1-10	0	1	0	0	0	0	0	3	3	6	11	3	27
				11-27	0	1	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	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**3**	**3**	**6**	**11**	**4**	**29**
0600	0	0	0	1-10	1	0	0	0	0	0	0	0	1	9	12	5	28
				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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**10**	**13**	**6**	**31**
0900	0	0	0	1-10	2	2	1	2	0	0	0	0	0	0	6	5	18
				11-27	5	1	0	0	0	0	0	0	0	0	0	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	**7**	**3**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**12**	**31**
1200	0	0	0	1-10	0	1	0	0	0	0	0	0	0	0	2	8	11
				11-27	9	2	0	0	0	0	0	0	0	2	2	5	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**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**13**	**31**
1500	0	0	0	1-10	4	0	0	0	0	0	0	0	0	1	1	3	9
				11-27	12	0	0	0	0	0	0	0	0	0	1	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	**16**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**12**	**31**
1800	2	0	0	1-10	5	2	0	0	0	0	0	0	1	1	12	7	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	**5**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**12**	**8**	**29**
2100	1	0	0	1-10	1	0	0	0	1	0	0	1	2	10	9	5	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	**2**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**2**	**10**	**9**	**5**	**30**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

KHARGA — OCTOBER 1961

Hour (U.T.)	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	0	0	0	0	0	0	2
				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	7	0	0	0	0	0	0	0	0	0	0	0	7
0300	24	0	0	1–10	6	0	0	0	0	0	0	0	0	0	0	0	6
				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	0	0	0	0	0	0	0	7
0600	14	0	0	1–10	12	0	0	0	0	0	0	0	0	0	0	0	12
				11–27	4	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
				≥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	0	0	17
0900	4	0	0	1–10	15	1	0	0	0	0	0	0	0	0	0	0	16
				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	25	2	0	0	0	0	0	0	0	0	0	0	27
1200	2	0	0	1–10	15	2	0	0	0	0	0	0	0	0	0	2	19
				11–27	6	2	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	4	0	0	0	0	0	0	0	0	0	4	29
1500	4	0	0	1–10	21	0	0	0	0	0	0	0	0	0	0	1	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	26	0	0	0	0	0	0	0	0	0	0	1	27
1800	25	0	0	1–10	6	0	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	6	0	0	0	0	0	0	0	0	0	0	0	6
2100	24	0	0	1–10	7	0	0	0	0	0	0	0	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	7	0	0	0	0	0	0	0	0	0	0	0	7

Table A 10.--NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

TOR -- OCTOBER 1961

Hour (G.M.T.)	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	1	0	0	0	1	0	0	0	0	6	2	12
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**2**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**8**	**3**	**15**
0300	22	0	0	1-10	4	1	0	0	0	1	0	0	0	0	2	0	8
				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**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**3**	**0**	**9**
0600	12	0	0	1-10	5	5	0	0	0	0	0	0	0	0	3	5	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	**5**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**6**	**19**
0900	1	0	0	1-10	0	0	0	0	0	0	0	0	0	0	13	9	22
				11-27	0	0	0	0	0	0	0	0	0	1	4	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**17**	**12**	**30**
1200	1	0	0	1-10	0	0	0	0	0	0	0	0	0	0	15	3	18
				11-27	0	0	0	0	0	0	0	0	0	1	10	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**	**0**	**1**	**25**	**4**	**30**
1500	1	0	0	1-10	1	0	0	0	0	0	0	0	0	1	18	2	22
				11-27	0	0	0	0	0	0	0	0	0	0	7	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**25**	**3**	**30**
1800	8	0	0	1-10	3	1	0	0	1	0	0	0	0	1	13	2	21
				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**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**13**	**4**	**23**
2100	18	0	0	1-10	3	0	0	0	0	0	0	0	0	2	5	2	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 speeds	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**5**	**3**	**13**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

HURGHADA — OCTOBER 1961

Hour (G.T.)	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	11	8	19
				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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**19**	**31**
0300	1	0	0	1-10	0	0	0	0	0	0	0	0	0	0	7	6	13
				11-27	0	0	0	0	0	0	0	0	0	0	1	16	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**	**0**	**8**	**22**	**30**
0600	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	1	24	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**	**3**	**28**	**31**
0900	0	0	0	1-10	2	1	0	0	1	0	0	0	0	0	0	0	4
				11-27	14	1	0	0	0	0	0	0	0	0	0	12	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	**16**	**2**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**31**
1200	0	0	0	1-10	3	5	1	0	0	0	0	0	0	0	0	0	9
				11-27	21	1	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	**24**	**6**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**31**
1500	4	0	0	1-10	7	2	0	0	1	1	0	0	0	0	0	2	13
				11-27	2	0	0	0	0	0	0	0	0	0	0	12	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**	**2**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**14**	27
1800	5	0	0	1-10	0	0	0	0	0	0	1	0	0	0	2	4	7
				11-28	0	0	0	0	0	0	0	0	0	0	0	19	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**	**0**	**0**	**0**	**2**	**23**	**26**
2100	1	0	0	1-10	0	0	0	0	0	0	1	0	0	2	18	4	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**	**0**	**0**	**0**	**1**	**0**	**0**	**2**	**21**	**6**	**30**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

QUSEIR — OCTOBER 1961

Hour (U.T.)	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	0	12	10	3	25
				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	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**	**12**	**10**	**7**	**29**
0300	2	0	0	1-10	1	0	0	0	0	0	0	0	0	8	13	0	22
				11-27	0	0	0	0	0	0	0	0	0	0	1	6	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**14**	**6**	**29**
0600	1	0	0	1-10	0	0	0	0	0	0	0	0	1	2	4	3	10
				11-27	2	0	0	0	0	0	0	0	0	0	1	17	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**5**	**20**	**30**
0900	0	0	0	1-10	3	2	0	0	0	0	0	0	0	0	0	1	6
				11-27	18	1	0	0	1	0	0	0	0	0	0	5	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	**21**	**3**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**31**
1200	0	0	0	1-10	2	7	2	2	0	0	0	0	0	0	0	2	15
				11-27	13	2	1	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	**15**	**9**	**3**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**31**
1500	2	0	0	1-10	7	1	1	3	1	0	0	0	0	0	0	9	22
				11-27	1	0	0	0	0	0	0	0	0	0	0	6	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**	**1**	**3**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	**29**
1800	11	0	0	1-10	0	0	0	0	0	0	0	0	1	5	9	2	17
				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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**5**	**9**	**4**	**20**
2100	2	0	0	1-10	0	0	0	0	0	0	0	0	0	15	9	2	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	**9**	**5**	**29**

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — OCTOBER 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface of station	31	1012mb.	1017mb.	1009mb.	31	18.6	21.6	15.0	31	14.1
1000	31	150	188	118	31	18.5	20.9	15.0	31	12.9
850	31	1535	1574	1470	31	11.3	18.9	5.4	26	1.0
700	31	3127	3215	3057	31	2.4	9.2	— 7.4	15	—7.4
600	31	4353	4430	4258	31	-1.5	3.3	—17.0	9	—14.8
500	31	5764	5872	5630	31	—13.4	— 7.3	—19.8	5	—27.5
400	31	7424	7579	7257	31	—25.4	—17.8	—32.0	4	—31.2
300	31	9449	9631	9233	31	—40.0	—34.7	—47.0	1	—48.2
200	31	12128	12356	11883	31	—55.1	—50.3	—61.4	—	—
150	31	13932	14157	13662	31	—62.8	—56.8	—67.7	—	—
100	30	16394	16590	16220	30	—66.7	—61.5	—74.2	—	—
60	24	19524	19688	19244	24	—61.2	—57.6	—69.5	—	—
40	17	22109	22241	22041	17	—56.2	—54.0	—59.5	—	—
30	13	23958	24091	23799	13	—52.3	—50.2	—55.7	—	—
20	9	26559	26643	26408	9	—49.0	—44.8	—51.5	—	—
10	3	31168	31242	31123	3	—44.1	—43.7	—44.2	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) 1200 U.T. — OCTOBER 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface	31	1013mb.	1017mb.	1008mb.	31	23.7	26.7	21.1	31	15.5
1000	31	151	189	111	31	22.6	25.6	20.0	31	14.0
850	31	1539	1590	1490	31	12.6	17.5	6.5	27	—1.4
700	31	3140	3182	3062	31	4.0	10.3	—1.4	17	—7.9
600	31	4376	4446	4272	31	-3.3	2.9	10.7	7	—15.1
500	31	5793	5885	5655	31	—12.7	—8.2	—19.2	5	—25.9
400	31	7452	7576	7276	31	—23.2	—20.3	—31.4	2	—38.3
300	31	9484	9649	9258	31	—39.2	—32.6	—46.8	—	—
200	31	12171	12384	11931	31	—54.3	—49.5	—63.8		—
150	31	13974	14215	13757	31	—61.3	—54.7	—65.1		—
100	30	16466	16682	16277	30	—65.8	—59.8	—73.2		—
60	27	19609	19760	19441	27	—59.4	—56.0	—61.9		—
40	21	22204	22340	22117	21	—53.8	—46.0	—64.7		—
30	16	24083	24218	23969	16	—50.1	—47.3	—53.1		—
20	12	26764	26878	26631	12	—44.6	—40.9	—47.5	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

Table B 1.– UPPER AIR CLIMATOLOGICAL DATA

HELWAN – 0000 U.T. – OCTOBER 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface	27	998mb.	1002mb.	995mb.	27	18.9	22.0	14.8	27	11.9
1000	27	125	157	100	6	17.9	21.0	14.7	6	11.6
850	27	1509	1551	1473	26	14.3	19.0	8.1	23	— 1.5
700	27	3126	3186	3055	26	6.4	12.6	— 1.8	10	— 7.6
600	27	4374	4430	4267	26	— 1.1	4.1	— 8.8	4	—18.8
500	27	5802	5880	5653	27	—10.5	— 4.4	—19.3	3	—25.3
400	26	7483	7586	7301	26	—22.4	—18.0	—31.1	1	—32.5
300	25	9538	9673	9287	25	—36.1	—32.5	—42.5	—	—
200	22	12236	12412	11933	22	—54.4	—50.6	—61.9	—	—
150	19	14041	14213	13721	19	—63.2	—57.0	—68.8	—	—
100	15	16480	16625	16193	15	—70.3	—62.4	—77.8	—	—
60	6	19562	19757	19319	6	—61.8	—59.8	—64.8	—	—
40	5	22161	22320	21960	5	—55.6	—54.6	—57.6	—	—
30	4	24067	24173	23977	4	—51.4	—49.8	—52.6	—	—
20	2	26704	26748	26659	2	—49.0	—49.0	—49.1	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN – 1200 U.T. – OCTOBER 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface	29	997mb.	1002mb.	993mb.	29	27.7	32.4	23.8	29	8.4
1000	29	117	158	84	3	24.4	24.5	24.3	—	—
850	29	1484	1555	1477	29	14.1	20.3	9.2	28	0.9
700	29	3131	3185	3067	29	5.9	12.8	—0.3	11	—9.8
600	29	4376	4436	4283	29	—1.4	4.0	—9.0	—	—
500	29	4803	5884	5663	29	—10.9	— 5.5	—20.3	—	—
400	28	7481	7585	7277	28	—27.9	—17.5	—32.7	—	—
300	27	9534	9666	9249	27	—36.4	—31.7	—43.1	—	—
200	25	12249	12398	12037	25	—54.1	—52.2	—59.0	—	—
150	24	14052	14190	13759	24	—63.2	—59.8	—67.0	—	—
100	21	16499	16615	16252	21	—69.9	—61.3	—76.3	—	—
60	15	19624	19834	19417	15	—60.4	—48.0	—64.6	—	—
40	12	22206	22569	21960	17	—53.4	—37.7	—56.0	—	—
30	9	24049	24148	23819	9	—49.9	—48.6	—52.2	—	—
20	5	26762	26846	26698	5	—44.0	—42.0	—46.6	—	—
10	—	—	—	—	—	—	—	—	—	—

*The atmospheric pressure corrected to the elevation of the radiosonde station

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 0000 U.T. — OCTOBER 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface	24	998mb.	1000mb.	996mb.	24	22.8	27.0	18.5	22	5.7
1000	9	106	106	106	9	21.2	26.0	18.5	9	5.2
850	24	1504	1538	1469	24	19.7	24.0	10.5	16	—0.4
700	24	3149	3183	3087	24	7.7	12.0	4.6	14	—9.1
600	24	4391	4428	4332	24	—0.4	5.1	6.4	4	—16.0
500	24	5831	5890	5752	24	—7.7	—3.3	—13.3	—	—
400	24	7408	7588	7411	24	—19.9	—13.9	—25.8	—	—
300	22	9586	9677	9441	22	—35.8	31.4	—39.9	—	—
200	14	12275	12430	12118	14	—55.1	—52.0	—58.7	—	—
150	13	14073	14261	13910	13	—64.5	—58.3	—70.8	—	—
100	7	16432	16557	16306	7	—74.5	—65.2	—86.3	—	—
60	2	19512	19582	19443	2	—64.0	—63.1	—65.0	—	—
40	1	21949	—	—	1	—59.8	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — OCTOBER 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface	24	998mb.	1000mb.	995mb.	24	35.7	40.2	28.5	24	8.8
1000	6	106	106	106	6	32.9	40.2	29.0	6	5.8
850	24	1527	1569	1496	24	22.1	27.8	12.8	14	—4.8
700	24	3173	3240	3117	24	9.5	12.6	5.2	13	—12.1
600	24	4433	4510	3467	24	0.2	3.9	—10.1	7	—18.2
500	24	5879	5959	5793	24	—5.3	—2.3	—11.8	—	—
400	23	7588	7694	7467	23	—18.3	—14.2	—25.0	—	—
300	20	9656	9791	9490	20	—34.8	—29.3	—39.8	—	—
200	14	12344	12518	12181	14	—54.6	—52.7	—56.6	—	—
150	7	14166	14315	14004	7	—65.9	—63.2	—67.2	—	—
100	7	16580	16753	16419	7	—74.8	—68.7	—78.7	—	—
60	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

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 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Mersa Matruh (A)	3553 (31)	672 (31)	—08.1 (11)	4800	566	—	2400	760	— 7.5	12610 (30)	183 (30)	—63.0 (30)	15100	120	—63.0	10410	252	— 52.0	14400	137	270	97
Helwan	4190 (27)	617 (27)	—11.9 (4)	5040	554		2730	732	— 4.3	13571 (16)	165 (16)	—63.1 (16)	16110	108	—68.8	10960	236	—54.8	9500	292	230	133
Aswan . . . . (A)	4281 (29)	602 (24)	—14.5 (8)	5230	542		3660	654	—12.0	14355 (6)	144 (6)	—68.5 (6)	15240	121	—71.1	12560	191	—59.4	15550	115	300	126

Table B2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE THE HIGHEST WIND SPEED IN THE UPPER AIR

1200 U.T. - OCTOBER 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Mersa Matruh . (A)	3687 (31)	643 (31)	— 7.2 (9)	4810	572		2840	720		12660 (31)	190 (31)	—60.2 (31)	15560	117	—72.0	9503	300	—38.7	9406	304	230	96
Helwan	4003 (29)	597 (29)	—14.5 (4)	5030	554		3000	706		13466 (20)	168 (20)	—61.6 (20)	16140	107	—76.3	10840	250	—46.6	11000	243	250	103
Aswan . . . (A)	4629 (24)	586 (24)	—14.6 (6)	5500	527		3900	630	—15.4	14165 (7)	151 (7)	—66.5 (7)	15170	127	—73·0	13180	174	—62.5	14400	142	290	120

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. OCTOBER 1961

N = The number of cases the wind has been observed from the range of direction during the month..

TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	6	8	1	4	0	—	0		1	9	0		3	8	3	5	3	12	1	4	3	7	7	8	2	30	7
1000	6	8	1	4	0		0	-	1	9	0	—	3	8	3	5	3	12	1	4	3	7	7	8	2	30	7
850	8	11	2	10	1	7	2	13	0		0		0		1	14	2	14	3	13	6	10	5	16	1	31	12
700	5	16	3	15	2	4	0	—	1	6	0	—	0	—	1	31	5	19	5	14	4	12	4	13	1	31	14
600	2	8	0	—	0	—	0	—	0	—	0	—	0		2	8	7	19	11	17	2	12	7	17	0	31	16
500	1	22	0	—	0	—	0	—	0	—	0	—	1	17	1	29	12	22	10	23	3	10	3	35	0	31	23
400	1	22	0	—	0		0		0	—	0	—	2	24	1	51	11	33	9	27	2	18	4	28	0	30	29
300	0	—	0	—	0		0	—	0	—	0	—	0	—	2	68	11	45	12	38	2	22	2	38	0	29	41
200	0	—	0	—	0	—	0	—	0	—	0	—	1	23	1	55	10	58	8	42	1	48	0	—	0	21	50
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	45	10	44	2	59	0	—	0	16	46
100	0	—	0	—	0	—	0	—	0	—	0	—	0		0	—	2	26	5	47	0	—	0	—	0	7	41
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 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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	(ff)	(ff) m	N	(ff) m	N	(ff) m	N	(ff) m			
Surface of station	0	—	0	—	0	—	1	13	0	—	0	—	0	—	1	9	0	—	0	—	0	—	1	9	0	3	10
1000	8	10	1	11	1	16	2	10	1	2	0	—	0		1	9	0	—	0	—	1	19	8	9	0	23	11
850	5	12	2	4	2	11	1	13	0	—	0	—	0		4	11	2	10	2	10	8	10	5	14	0	31	11
700	4	16	0	—	2	10	0	—	0	—	0	—	0	—	2	28	4	21	7	9	9	11	3	11	0	31	13
600	3	16	0	—	0	—	0	—	1	8	1	8	1	12	2	18	7	21	10	16	2	19	4	12	0	31	16
500	1	6	0	—	0	—	0	—	0	—	0	—	0	—	3	13	12	24	10	22	2	12	3	17	0	31	20
400	1	25	0	—	0	—	0	—	0	—	0	—	1	8	4	38	11	33	8	28	4	20	2	18	0	31	29
300	0	—	0	—	0	—	1	5	0	—	0	—	0	—	2	50	12	52	11	43	3	25	2	26	0	31	43
200	0	—	0	—	0	—	0	—	0	—	0	—	1	13	0	—	9	57	13	47	3	45	1	36	0	27	49
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	11	44	9	54	2	42	1	47	0	23	48
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	26	3	17	4	33	2	28	0	—	0	11	27
60	0	—	0	—	0	—	1	3	0	—	0	—	0	—	0	—	2	10	1	13	0	—	0	—	0	4	14
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

HELWAN 0000 U.T. OCTOBER 1961

N = The number of cases the wind has been observed from the range of direction during the month.

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Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	6	8	2	17	4	8	0	—	0	—	—				0	—	0		1	10	0	—	3	12	8	24	7
1000	4	9	0	—	0	—	0	—	0	—			—		0	—	0	—	1	10	0	—	0	—	0	5	9
850	3	11	6	12	5	16	0	—	1	6	1	6	1	9	1	6	2	17	2	16	2	4	1	8	0	25	12
700	2	6	0	—	0	—	1	10	0	—	1	11	2	16	4	16	4	21	9	13	2	12	1	8	0	26	14
600	0	—	0	10	0	—	0		0		1	5	1	10	6	26	5	25	10	1	1	4	0	—	0	25	19
500	0	—	0	—	1	38	0	—	0	—	0	—	—	—	3	30	7	31	12	25	2	24	0	—	0	25	28
400	0	—	0	—	0	—	0		0	—	0	—	—	—	1	60	12	43	11	34	2	38	0	—	0	26	39
300	0	—	0	—	0	—	0		0	—	0	—	—	—	1	90	13	62	10	46	1	70	0	—	0	25	57
200	0	—	0	—	0	—	0	—	0	—	0	—	—	—	0	—	11	72	5	48	1	60	0	—	0	17	64
150	0	—	0	—	0		0	—	0	—	0	—	—	—	0	—	8	65	2	52	2	42	0	—	0	12	59
100	0	—	0	—	0	—	0	—	0	—	0	—	—	—	0	—	2	45	0	—	0	—	0	—	0	2	45
60	0	—	0		0		0		0	—	0	—		—	—	—	—	—	—	—	—	—	0	—	—		—
40	—	—	—		—	—	—	—	—	—	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

HELWAN — 1200 U.T.—OCTOBER 1961

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Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	1	—	—	—	—		—	—	—	—	—		—		—		—		—		—				—
1000	0	—	8	11	0	—	0		0	—	0	—	0		0		0	—	0	—	0		1	8	0	2	10
850	4	10	1	13	2	13	3	9	1	8	0	—	0		1	15	2	8	3	12	3	8	2	8	0	29	11
700	3	9	0	10	0	—	0	—	0	—	2	8	0	—	6	23	5	14	10	11	1	5	1	14	0	29	14
600	1	13	0	—	0	—	0	—	1	4	1	5	1	41	5	26	12	22	4	18	2	9	2	10	0	29	20
500	1	27	0	—	0	—	0	—	0	—	0	—	0	—	3	46	13	28	8	19	3	17	1	19	0	29	26
400	0	—	0	—	0	—	0		0		0	—	1	55	1	75	16	40	8	31	1	15	1	41	0	28	39
300	0	—	0	—	0	—	0	—	0	—	0	—	1	40	1	72	12	56	8	43	2	34	0	—	0	24	50
200	0	—	0	—	0	—	0	—	0	—	0	—	0		0	—	8	67	7	41	0	—	0		0	15	55
150	0	—	0	—	0	—	0	—	0	—	0	—	0		0		4	42	6	47	0	—	0		0	10	45
100	0	—	—	—	0	—	0	—	0	—	0	—	0		0	—	3	31	2	31	0		0	—	0	5	31
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 (A) 0000 U.T. OCTOBER 1961

N = The number of cases the wind has been observed from the range of direction during the month.

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Pressure surface (millibars)	Wind between specified ranges of direction (000-360°)																						Number of calm winds	Total number of observations (TN)	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 of station	15	9	0		0		1	5	0		0		0		0		0		1	7	0		0		5	22	7
1000	7	10	0		0		0		0		0		0		0		0		0		0		0		2	9	8
850	2	10	1	15	4	14	1	17	2	10	1	10	1	6	4	8	2	8	0		1	5	5	10	0	24	10
700	2	6	0		0		0		3	13	1	5	2	6	7	13	1	16	5	11	2	12	1	15	0	24	11
600	1	4	1	8	1	5	1	2	0		2	8	1	16	11	15	2	6	3	19	1	8	0		0	24	12
500	1	12	0		2	12	1	4	0		0		2	8	8	21	7	20	2	22	1	25	0		0	24	18
400	0		0		1	8	0		0		0		1	9	4	20	8	27	6	23	1	20	0		0	24	21
300	1	7	0		0		0		0		0		2	17	5	21	9	35	4	40	1	48	0		0	22	31
200	0		0		0		0		0		1	24	0		1	21	3	62	3	81	1	70	1	52	0	13	52
150	0		0		0		0		0		0		0		5	25	3	77	0		1	95	0		0	9	51
100	0								0																		
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 (A) — 1200 U.T. — OCTOBER 1961

N = The number of cases the wind has been observed from the range of direction during the month.

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Pressure surface (millibar)	Wind between specified ranges of direction (000–360°)																								Number of calm winds	Total number of observations (TN)	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 of station	17	6	0		1	10	0		1	12	0		0		0		0		1	3	0		0		4	24	6
1000	5	8	0		0		0		1	12	0		0		0		0		0		0		0			6	9
850	1	13	0		2	14	0		2	8	1	5	4	8	3	10	1	5	6	8	0		4	15	0	24	10
700	0	—	1	5	0		2	8	1	23	0		2	6	5	14	8	13	3	18	2	10	0	—	0	24	13
600	0	—	1	6	1	10	1	5	1	10	0		3	7	4	13	8	21	2	12	3	8	0	—	0	24	13
500	0	—	0	—	2	14	2	12	1	18	1	11	1	14	4	16	8	24	3	15	1	12	1	19	0	24	18
400	0	—	0		0		1	14	2	8	1	11	1	5	8	18	5	38	2	34	3	33	0	—	0	23	24
300	0	—	0	—	0	—	0		1	55	1	13	0		9	24	4	42	4	50	1	45	0	—	0	20	35
200	0	—	0	—	0	—	0	—	0	—	0		0		2	35	3	40	3	65	1	86	0	—	0	10	51
150	0	—	0	—	0	—	0		0	—	0		0		2	28	1	21	1	86	1	116	0	—	0	5	56
100	0	—	—	—	0	—		—	—			—			—		—				—		—	—	0	—	—
60	0	—		—				—			—	—	—									—	—	—	—	—	—
40	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	0	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	0	—	—	—	—	—		—	—	—	—	—		—	—	—		—	—	—	—	—	—	—	—	—	—
10	0	—	—	—	—	—	—	—		—	—			—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO METEOROLOGICAL STATION AT GIZA OCTOBER 1961

This month was cool, rather dry, with traces of rainfall. Mean daily air temperature at 2 metres above ground, mean daily relative humidity and total rainfall were below normal (-1.1°C, — 2% & - 3 mms.) respectively. Only one significant heat wave occurred giving the asolute maximum temperature for the month (31.5°C) on the 12th.

The absolute minimum air temperatures at 5 cms. above different fields were lower than the corresponding values of October 1960 by 2.4 to 4.5°C.

The extreme maximum soil temperatures at depths 0.3, 1 cm. and at depths between 10, 100 cms. inclusive were lower than the corresponding values for last October. At other depths the values were higher. The maximum deviations were - 1.8°C, + 0.6°C at 1 and 2cms. respectively. The extreme minimum soil temperatures at depths between 0.3 and 200 cms. inclusive were lower than the corresponding values for October 1960; the difference was -6.3°C at 0.3 cm. depth. —0.1°C at 200 cms. depth. At 300 cms. depth, the value was higher than last year (+ 0.2°C) .

The daily mean wind speed at 2 metres above ground was lower (—0.5m./sec.) than the corresponding value for last October. The mean daily value of piche evaporation, water pan evaporation, potential evaporation and potential evapotranspiration were - 29,-1.01,-2.1, - 1.2 mms. respectively lower than the corresponding values for last October. The total duration of bright sunshine was 11 hours higher than that of October 1960.

REVIEW OF AGRO—METEOROLOGICAL STATION AT TAHRIR OCTOBER 1961

This month was markedly colder than October 1960. Extreme maximum, minimum, mean daily, mean night time and mean day time temperatures were lower than the corresponding values of last year by 3.4°C, 2.2°C, 2.8°C, 2.6°C, 3.0°C, respectively. Consequently extreme maximum soil temperatures between depths of 0.3 cm and one metre were less by 0.8°C (at 1 metre) to 1.8°C (at 10 and 20 cms) and extreme minimum soil temperatures for the same range of depths were less by 1.5°C (at 1 metre) to 4.9°C (at 10cms.). Similarly the mean relative humidity and the mean vapour pressure during this month were lower than the corresponding values of last October by 3% and 2.1 mms. respectively.

An active cold front passed on the 27th giving 7.1 mms of rain which was the single case of rainfall during the month, while last year total rainfall was drops.

Piche evaporation was less in the mean by 0.7 mm. while mean wind speed at 2 metres was more by 0.4 m/sec. than last October. Total actual sunshine duration was 4% of the possible more than last October, and total radiation was 350 gm. calories /cm^2 also more.

Table C 1.—AIR TEMPERATURES AT 2 METRES ABOVE GROUND; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms ABOVE GROUND OVER DIFFERENT FIELDS

GIZA — OCTOBER 1961

Date	Air Temperature (°C)					Duration in hours to the nearest half hour of air tempertaure 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	29.0	16.4	22.6	20.8	24.7	24.0	24.0	24.0	24 0	24.0	15.0	8.0	0.0	0.0	0.0	0.0
2	30.3	17.1	23.1	20.4	25.7	24.0	23.0	24.0	24.0	24.0	15.5	9.5	0.0	0.0	0.0	0.0
3	31.6	16.9	23.4	20.2	26.1	24.0	24.0	24.0	24.0	24.0	15.5	9 5	3.0	0.0	0.0	0.0
4	31.5	17.2	23.1	21.2	23.4	24.0	24.0	24.0	24.0	24.0	15.0	8.0	3.0	0.0	0.0	0.0
5	30.1	18.4	23.5	21.7	25.4	24.0	24.0	24 0	24.0	24.0	20.0	9.0	0.0	0.0	0.0	0.0
6	29.5	18.3	22.9	21.6	25.1	24.0	24.0	24.0	24 0	24.0	16 5	7.5	0.0	0.0	0.0	0.0
7	28.4	15.8	21.9	19.7	24.1	24.0	34.0	24.0	24.0	24.0	15.5	7.0	0.0	0.0	0.0	0.0
8	29.3	15.0	22.0	19.8	24.1	24.0	24.0	24.0	24.0	24.0	15.0	7.5	0.0	0.0	0.0	0.0
9	29.4	16.2	22.5	20.2	24.6	24.9	24.0	24.0	24.0	24.0	15.5	7.5	0.0	0.0	0.0	0.0
10	30.3	16.0	23.2	20.6	25.6	24.0	24.0	24.0	24.0	24.0	16 0	9.5	0.0	0.0	0.0	0.0
11	32.0	15.8	23.9	21.5	26.1	24.0	24.0	24.0	24 0	24.0	16.5	10.0	3.0	0.0	0.0	0.0
12	34.5	17.5	25.3	22.3	28.9	24.0	24.0	24.0	24.0	24.0	19.5	10.5	6.5	0.0	0.0	0.0
13	31.7	15.0	23.2	21.3	25.8	24.0	24.0	24.0	24.0	24.0	18.5	8.5	1.0	0.0	0.0	0.0
14	26.2	16.1	21.3	21.1	23.0	24.0	24.0	24 0	24 0	24.0	13.5	2.5	0.0	0.0	0.0	0.0
15	26.4	12.9	19.2	17.3	22.0	24.0	24.0	24.0	24.0	18.0	11.0	1 0	0.0	0.0	0.0	0.0
16	26.0	11.6	19.1	16.6	21.9	24.0	24.0	24.0	24.0	18.0	10 5	2.5	0.0	0.0	0.0	0.0
17	26.1	11.2	19.2	16.2	21.3	24.0	24.0	24.0	24.0	16.5	12.5	2.5	0.0	0.0	0.0	0.0
18	27.5	13.7	20.7	18.2	22.8	24.0	24.0	25.0	24.0	19.0	15.0	5 0	0.0	0.0	0.0	0.0
19	27.7	14.6	21.6	20.0	23.5	24.0	24.0	24.0	24.0	23 5	16.0	6.5	0.0	0.0	0.0	0.0
20	26.3	14.1	20.5	19.6	22.3	24.0	24.0	24.0	24.0	22.5	13.0	3.5	0.0	0.0	0.0	0.0
21	26.5	14.2	20.3	18.1	22.6	24.0	24.0	24.0	24.0	22.0	12.0	4.5	0.0	0.0	0.0	0.0
22	28.0	13.6	21.1	18.4	23.7	24.0	24.0	24.0	24 0	21.5	14.5	6.0	0 0	0.0	0.0	0.0
23	30.1	16.2	22.4	19.8	25.1	24.0	24.0	24.0	24 0	24 0	14.0	8 5	0.0	0.0	0.0	0.0
24	31.4	16.8	22.9	19.8	25.9	24.0	24.0	24.0	24.0	24.0	14.5	9.0	3.0	0.0	0 0	0.0
25	30.0	17.1	23.0	21·2	25.3	24.0	24 0	24.0	24.0	24.0	15.0	8.0	0.0	0.0	0.0	0.0
26	30.4	15.9	22.8	20.4	25.1	24.0	24.0	24 0	24.0	24.0	16.0	8 0	0.0	0.0	0.0	0.0
27	28.1	15.7	20.2	21.0	22.7	24.0	24 0	24.0	24.0	24.0	8.5	2.5	0.0	0.0	0.0	0.0
28	26.6	13.9	19.2	16.4	21.9	24.0	24.0	24.0	24.0	21.0	9.5	1.0	0.0	0.0	0.0	0.0
29	27.6	14.4	20.2	17.2	22.6	24.0	24.0	24.0	24 0	24.0	12.0	4.5	0.0	0.0	0.0	0.0
30	26.2	14.5	19.7	18.2	21.9	24.0	24 0	24.0	24.0	23 5	11.0	1.0	0.0	0.0	0.0	0.0
31	26.5	13.4	19.8	17.3	22.2	24.0	24.0	24.0	24.0	22.0	12.0	2.0	0.0	0.0	0.0	0.0
Total	—	—	—	—	—	744.0	744.0	744.0	744.0	707.5	444.5	190.5	19.5	0.0	0.0	0.0
Mean	28.9	15.3	21.7	19.6	24.0	24.0	24.0	24.0	24.0	22.8	14.3	6.1	0.6	0.0	0.0	0.0

Highest maximum at 2 metres 34.5 °C on 12th. Highest minimum at 2 metres 18.4 °C on 5th.

Lowest maximum at 2 metres 26.0 °C on 16th. Lowest minimum at 2 metres 11.2 °C on 17th.

Absolute minimum temperature at 5 cms. Above dry soil 7.0 °C on 17th.

" " " " " wet soil 8.3 °C on 17th.

" " " " " grass 6.6 °C on 17th.

Table C 1. AIR TEMPERATURES AT 2 METRES ABOVE GROUND ; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms ABOVE GROUND OVER DIFFERENT FIELDS

TAHRIR OCTOBR 1961

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	29.2	14.0	21.3	18.2	24.4	24.0	24.0	24.0	24.0	22.5	13.0	7.5	0.0	0.0	0.0	0.0
2	29.8	15.0	21.9	18.6	25.1	24.0	24.0	24.0	24.0	24.0	13.0	8.0	0.0	0.0	0.0	0.0
3	31.3	15.3	22.3	18.5	25.9	24.0	24.0	24.0	24.0	24.0	14.0	8.5	3.5	0.0	0.0	0.0
4	31.4	15.6	22.5	19.1	25.9	24.0	24.0	24.0	24.0	24.0	13.5	8.5	3.5	0.0	0.0	0.0
5	30.3	15.9	21.9	19.3	24.7	24.0	24.0	24.0	24.0	24.0	13.5	7.0	0.0	0.0	0.0	0.0
6	28.5	16.8	21.9	19.9	24.2	24.0	24.0	24.0	24.0	24.0	13.0	6.0	0.0	0.0	0.0	0.0
7	28.1	15.9	21.4	18.8	24.0	24.0	24.0	24.0	24.0	24.0	13.0	5.5	0.0	0.0	0.0	0.0
8	29.0	15.6	21.3	18.6	24.3	24.0	24.0	24.0	24.0	24.0	14.0	6.5	0.0	0.0	0.0	0.0
9	29.0	14.9	21.4	18.4	22.9	24.0	24.0	24.0	24.0	24.0	13.0	7.0	0.0	0.0	0.0	0.0
10	30.3	14.9	22.2	18.8	25.4	24.0	24.0	24.0	24.0	24.0	15.0	8.0	0.0	0.0	0.0	0.0
11	32.4	16.3	23.5	19.7	26.7	24.0	24.0	24.0	24.0	24.0	16.5	10.0	3.0	0.0	0.0	0.0
12	32.6	17.8	24.5	21.6	28.3	24.0	24.0	24.0	24.0	24.0	15.5	10.5	6.0	0.0	0.0	0.0
13	31.5	17.1	22.4	20.4	25.4	24.0	24.0	24.0	24.0	24.0	14.5	7.0	0.0	0.0	0.0	0.0
14	26.2	15.4	19.8	18.9	22.2	24.0	24.0	24.0	24.0	24.0	10.5	1.0	0.0	0.0	0.0	0.0
15	25.2	13.7	18.9	16.5	21.6	24.0	24.0	24.0	24.0	19.5	10.0	0.0	0.0	0.0	0.0	0.0
16	25.6	13.0	19.0	16.7	22.0	24.0	24.0	24.0	24.0	20.0	9.5	0.0	0.0	0.0	0.0	0.0
17	26.2	12.3	18.7	15.2	21.9	24.0	24.0	24.0	24.0	17.0	10.5	1.0	0.0	0.0	0.0	0.0
18	28.8	13.8	20.3	16.5	23.2	24.0	24.0	24.0	24.0	19.0	12.5	6.5	0.0	0.0	0.0	0.0
19	28.0	14.6	20.5	18.2	23.5	24.0	24.0	24.0	24.0	23.5	12.0	5.5	0.0	0.0	0.0	0.0
20	26.0	13.8	19.3	17.4	22.1	24.0	24.0	24.0	24.0	19.0	10.5	2.5	0.0	0.0	0.0	0.0
21	26.2	13.2	19.5	16.8	22.3	24.0	24.0	24.0	24.0	18.5	11.0	4.0	0.0	0.0	0.0	0.0
22	28.1	13.9	20.5	17.2	23.7	24.0	24.0	24.0	24.0	22.0	12.0	6.5	0.0	0.0	0.0	0.0
23	29.9	14.5	21.3	17.9	25.0	24.0	24.0	24.0	24.0	23.5	11.5	8.0	0.0	0.0	0.0	0.0
24	31.6	14.5	22.0	18.0	26.1	24.0	24.0	24.0	24.0	23.5	12.5	8.5	3.5	0.0	0.0	0.0
25	29.3	16.2	21.8	19.1	24.9	24.0	24.0	24.0	24.0	24.0	13.0	7.5	0.0	0.0	0.0	0.0
26	32.2	15.2	22.5	18.8	25.7	24.0	24.0	24.0	24.0	24.0	16.0	8.0	1.0	0.0	0.0	0.0
27	28.0	16.1	19.9	20.4	21.7	24.0	24.0	24.0	24.0	24.0	6.5	2.5	0.0	0.0	0.0	0.0
28	24.8	14.3	19.0	16.4	21.0	24.0	24.0	24.0	24.0	24.0	9.5	0.0	0.0	0.0	0.0	0.0
29	26.6	14.7	19.9	17.8	22.5	24.0	24.0	24.0	24.0	24.0	10.0	3.5	0.0	0.0	0.0	0.0
30	25.4	15.6	19.7	18.1	21.8	24.0	24.0	24.0	24.0	24.0	10.0	0.0	0.0	0.0	0.0	0.0
31	26.6	15.8	20.1	17.8	22.5	24.0	24.0	24.0	24.0	24.0	11.0	1.5	0.0	0.0	0.0	0.0
Total						**744.0**	**744.0**	**744.0**	**744.0**	**704.0**	**380.0**	**166.5**	**20.5**	**0.0**	**0.0**	**0.0**
Mean	28.6	15.0	21.0	18.3	23.9	24.0	24.0	24.0	24.0	22.7	12.3	5.4	0.7	0.0	0.0	0.0

Highest maximum at 2 metres 32.6°C on 12.th

Lowest maximum at 2 metres 25.2°C on 15.th

Highest minimum at 2 metres 17.8°C on 12 th.

Lowest minimum at 2 metres 12.3°C on 17th.

Absolute minimum temperature at 5 cms. above dry soil 11.0 °C on 17th.

" " " " " wet soil — °C on —

" " " " " grass — °C on —

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

GIZA — OCTOBER 1961

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 millimeters		Evaporation in millimeters		Amount of rain's in millimeters
	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	2.6	2.0	3.5	481	10.3	11.9	87	0	2	57	42	11.5	12.1	12.9	8.63	0.0
2	2.6	2.0	3.6	462	10.3	11.9	87	0	6	63	42	12.8	12.8	12.3	7.68	0.0
3	2.3	1.6	3.2	434	9.9	11.8	84	7	9	67	39	13.2	12.8	11.6	7.95	0.0
4	1.7	1.4	2.1	376	7.2	11.8	61	8	13	82	35	14.1	11.4	8.7	6.10	0.0
5	2.0	1.7	2.4	437	9.1	11.8	77	8	10	78	41	14.4	12.1	9.5	6.59	0.0
6	1.9	1.3	2.7	449	9.4	11.7	80	3	8	76	39	13.5	11.4	9.2	6.56	0.0
7	1.6	1.1	2.3	415	9.5	11.7	81	4	7	70	47	13.4	12.8	8.1	6.19	0.0
8	1.6	1.0	2.4	441	9.6	11.7	82	5	9	74	45	13.5	12.6	8.8	5.40	0.0
9	1.6	1.2	2.1	402	9.5	11.6	82	3	8	83	47	14.0	13.3	8.2	6.05	0.0
10	1.8	1.3	2.6	427	9.8	11.6	84	5	8	75	43	14.4	13.4	9.5	6.12	0.0
11	1.6	1.7	1.5	430	9.7	11.6	84	2	8	70	33	12.8	11.0	9.0	5.80	0.0
12	1.9	1.0	3.1	429	10.1	11.6	87	0	5	56	26	11.0	9.7	14.1	8.60	0.0
13	1.1	0.6	1.8	427	10.0	11.5	87	0	5	70	39	13.6	12.4	10.2	7.34	0.0
14	2.8	2.5	3.2	430	9.8	11.5	85	0	2	60	44	10.7	10.7	11.2	6.99	0.0
15	2.0	1.3	2.9	387	9.3	11.5	81	0	6	64	46	10.6	10.4	8.6	6.50	0.0
16	1.9	0.9	3.3	402	9.8	11.4	86	2	6	66	39	10.0	9.5	10.7	6.92	0.0
17	1.8	1.3	2.4	417	10.1	11.4	89	1	8	62	42	10.2	10.1	9.8	6.58	0.0
18	1.6	1.5	1.8	414	10.6	11.4	93	0	7	71	43	12.1	11.2	8.3	5.22	0.0
19	2.4	1.7	3.3	383	10.3	11.4	90	5	8	70	45	12.6	12.1	10.9	6.75	0.0
20	2.3	1.9	2.9	417	10.5	11.3	93	2	7	70	46	11.7	11.0	9.5	5.89	0.0
21	2.0	1.8	3.1	394	9.8	11.3	87	5	9	75	44	12.1	11.2	9.3	6.18	0.0
22	2.2	1.2	3.7	386	10.3	11.3	91	4	8	70	42	12.1	11.4	11.6	6.84	0.0
23	3.0	2.2	4.1	393	10.1	11.2	90	4	10	72	25	11.4	7.8	13.1	8.93	0.0
24	2.5	1.4	4.1	369	8.8	11.2	79	7	12	82	31	13.5	10.3	13.1	8.45	0.0
25	2.7	2.1	3.5	330	8.0	11.2	71	6	11	77	36	13.7	11.0	10.3	6.84	0.0
26	1.4	1.1	1.8	342	9.1	11.2	81	6	8	66	32	11.8	9.8	7.9	5.00	0.0
27	1.0	0.4	2.0	212	3.6	11.1	32	10	16	90	41	13.4	10.9	4.5	2.87	T.r
28	1.6	1.0	2.5	332	8.3	11.1	75	1	5	70	39	10.5	9.6	7.6	5.35	0.0
29	1.2	0.7	1.9	326	8.9	11.1	80	0	1	58	37	9.5	8.8	6.9	4.55	0.0
30	1.2	0.5	2.1	359	8.9	11.0	81	4	11	82	54	13.2	12.6	5.8	4.26	0.0
31	1.0	0.4	2.0	365	10.0	11.0	91	7	11	79	54	13.3	12.5	5.7	4.00	0.0
Total	—	—	—	12268	290.6	354.8	2538	109	244	—	—	—	—	296.9	197.13	T.r
Mean	1.9	1.3	2.7	395.7	9.4	11.4	82	3.5	7.9	71	41	12.4	11.2	9.6	6.36	—

Maximum amount of rainfall in one day	Tr.	mms.	on	27th.
Lowest value of relative humidity	23	%	on	23th.
Highest value of vapour pressure	17.2	mms.	on	27th.
Lowest value of vapour pressure	7.2	mms.	on	23th.

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

TAHRIR — OCTOBER 1961

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 millimeters		Evaporation in millimeters		Amount of rainfall in millimeters
	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	3.7	2.5	5.4	448	10.4	11.9	87	0	10	74	42	12.9	12.2	12.5	—	0.0
2	3.7	2.5	5.4	465	10.3	11.9	87	6	10	75	41	13.4	12.5	12.3	—	0.0
3	3.8	2.7	5.5	450	10.3	11.8	87	6	10	78	31	12.8	10.4	13.6	—	0.0
4	3.5	2.8	4.6	452	8.8	11.8	75	7	13	92	31	14.1	10.6	10.5	—	0.0
5	3.2	2.7	4.0	465	9.3	11.8	79	7	13	87	43	14.8	13.4	10.2	—	0.0
6	3.8	2.9	5.0	468	9.4	11.7	80	6	8	76	48	13.6	13.0	10.6	—	0.0
7	3.4	2.6	4.7	436	9.9	11.7	85	0	6	72	47	13.2	13.1	10.1	—	0.0
8	3.2	2.6	4.1	426	9.0	11.7	77	0	9	76	47	13.5	13.2	8.5	—	0.0
9	2.8	2.5	3.4	433	10.0	11.6	86	2	10	75	43	13.1	12.2	8.0	—	0.0
10	2.9	2.0	4.2	421	10.0	11.6	86	5	11	80	39	14.3	12.0	9.1	—	0.0
11	2.2	1.9	2.8	405	10.0	11.6	86	4	9	77	29	14.0	9.5	10.2	—	0.0
12	3.3	2.0	5.2	420	10.6	11.6	91	1	7	56	25	10.9	8.8	16.7	—	0.0
13	2.7	1.6	4.3	396	9.8	11.5	85	4	8	78	41	14.3	12.0	9.9	—	0.0
14	3.0	1.7	4.8	415	9.7	11.5	84	0	6	64	38	10.0	9.2	11.1	—	0.0
15	2.8	1.7	4.4	360	8.6	11.5	75	0	0	61	47	10.3	10.9	10.6	—	0.0
16	3.7	2.3	5.7	407	10.6	11.4	93	0	0	68	40	9.9	9.4	13.2	—	0.0
17	3.1	2.7	3.7	408	10.7	11.4	94	0	0	65	35	9.7	8.1	10.2	—	0.0
18	2.4	2.5	2.3	353	9.0	11.4	79	0	7	70	45	11.7	10.9	8.2	—	0.0
19	3.2	2.2	4.6	342	9.6	11.4	84	0	9	71	40	11.6	10.4	10.9	—	0.0
20	3.0	2.2	4.3	403	10.8	11.3	96	4	8	80	45	11.9	10.9	8.3	—	0.0
21	3.0	1.9	4.5	393	10.4	11.3	92	4	11	78	43	11.8	10.7	9.4	—	0.0
22	3.8	2.6	5.6	388	10.5	11.3	93	5	12	84	41	13.2	11.2	9.6	—	0.0
23	3.6	2.6	5.1	372	10.4	11.2	93	8	10	82	32	12.4	9.8	11.9	—	0.0
24	3.4	1.8	5.6	373	10.2	11.2	91	8	13	83	26	13.1	8.9	14.1	—	0.0
25	3.9	2.4	6.2	359	7.3	11.2	65	7	12	86	42	14.5	12.2	10.5	—	0.0
26	2.5	2.0	3.3	363	9.5	11.1	86	6	11	80	36	13.9	11.3	8.5	—	0.0
27	2.8	2.3	3.4	243	5.7	11.1	51	8	14	83	62	13.0	12.5	6.5	—	7.1
28	4.2	3.9	4.6	394	10.8	11.1	97	5	8	73	44	10.7	9.9	9.1	—	0.0
29	3.3	3.0	3.8	372	9.9	11.0	90	0	10	79	42	11.6	10.3	8.0	—	0.0
30	3.1	2.3	4.4	336	9.4	11.0	85	6	12	83	50	12.9	12.0	7.5	—	0.0
31	3.2	2.4	4.2	355	10.1	11.0	92	6	12	81	47	13.0	11.7	7.5	—	0.0
Total	—	—	—	**12321**	**301.0**	**354.6**	**2631**	**115**	**279**	—	—	—	—	**317.3**	—	7.1
Mean	3.2	2.4	4.5	397.5	9.7	11.4	85	3.7	9.0	76	41	12.6	11.1	10.2	—	—

Maximum amount of rainfall in one day	7.1	mms.	on 27 th
Lowest value of relative humidity	24	%	on 3 rd
Highest value of vapour pressure	17.5	mms.	on 24 th
Lowest value of vapour pressure	8.1	mms.	on 17 th

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

GIZA — OCTOBER 1961

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	51.9	9.1	31.5	11.3	31.2	13.7
1	47.0	12.2	30.4	11.5	27.0	16.0
2	45.3	13.3	29.1	12.1	26.1	17.0
5	37.3	17.8	27.7	14.4	25.3	17.9
10	32.3	21.8	26.2	16.6	24.9	19.5
20	29.6	24.8	25.0	18.4	24.2	20.8
50	29.8	26.6	23.7	20.9	24.5	22.3
100	30.2	28.1	23.7	22.0	25.1	23.6
200	29.1	28.2	23.7	22.8	24.7	24.0
300	27.4	27.3	—	—	—	—

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

TAHRIR — OCTOBER 1961

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	46.1	12.0	—	—	—	—
1	44.3	13.0	—	—	—	—
2	43.0	13.4	—	—	—	—
5	38.8	14.5	—	—	—	—
10	34.1	15.5	—	—	—	—
20	29.2	19.6	—	—	—	—
50	27.3	23.4	—	—	—	—
100	27.9	25.1	—	—	—	—
200	28.3	26.5	—	—	—	—
300	27.8	26.8	—	—	—	—
600	25.8	25.6	—	—	—	—

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

GIZA — OCTOBER 1961

10 Knots or more			26 Days	30 Knots or more			0 Days
15	„	„	„ 3 „	35	„	„	„ 0 „
20	„	„	„ 0 „	40	„	„	„ 0 „
25	„	„	„ 0 „	The highest gust 25 knots on 27th			

Printed at the General Organization for Government Printing Offices, Cairo
Under-Secretary of State
ALY SULTAN ALY
Chairman of the Board of Directors

12381-1968-150

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 4 NUMBER 11

NOVEMBER, 1961

U.D.C. 551, 506,1 (62)

MINISTRY OF SCIENTIFIC RESEARCH—METEOROLOGICAL DEPARTMENT
CAIRO

CONTENTS

	PAGE
General Summary of Weather Conditions	1–5

Surface Data

TABLE A 1.—Monthly mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level	6,7
„ A 2.—Monthly Mean Values of the Dry Bulb, Wet Bulb Temperatures and the Relative Humidity at Fixed Hours	8,9
„ A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity	10,11
„ A 4.—Maximum and Minimum Air Temperatures	12,13
„ A 5.—Rainfall and Snow Depth	14,15
„ A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum	16
„ A 7.—Soil Temperatures at Fixed Hours	17–19
„ A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena	20,21
„ A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges	22,23
„ A10.—Number of Occurrences of Concurrent Surface Wind speed and Direction Observed within Specified Ranges at the Synoptic Hours	24–46

Upper Air Data

TABLE B 1.—Upper Air Climatological Data	47–49
„ B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air	50,52
„ B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces	53–57

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir	58
TABLE C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields	59,60
„ C 2.—Wind Speed, (Solar + Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall	61,62
„ C 3.—Extreme Soil Temperatures at Different Depths in Different Fields	63
„ C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity	64

Note :—For explanatory notes on the tables, please refer to volume 4 number 1 (January 1961)

GENERAL SUMMARY OF WEATHER CONDITIONS

NOVEMBER 1961

A rather warm regime within the second and third weeks followed by a cold regime. Heavy rain along the Mediterranean coast between Damietta and El Arish — Early morning mist over Delta, Canal and Cairo areas.

THE MAIN FEATURES

— Subnormal temperatures during the urth week.

— High (above normal) relative humidity alues within the third week followed by low ubnormal) values in the fourth week.

— Subnormal monthly rainfall in general ith the exception of the coastal strip between amietta and El Arish where it exceeded its rmal.

— Prevalence of high pressure over East editerranean most of the month. A marked rthward extension of the Sudan trough of w pressure round the 7th and a secondary editerranean transit through Cyprus bet-een the 18th and 20th.

— High frequency of early morning mist Alexandria, Damanhour, Abu Sueir and ostafa Helmi.

GENERAL DESCRIPTION OF WEATHER

During the 1st week, the prevailing ather was mild and air temperature oscil-ed slightly below its normal. During the d and 3rd weeks, the whole Country enjoyed rolonged period of pronounced warmth, through which air temperature exceeded its normal value within range (2°C — 6°C). Maximum temperature reached 30 °C at Mersa Matruh on the 12th, at Cairo on the 16th and at Fayoum on the 16th and it reached 33°C at Aswan on the 17th.

The prevailing warm period ended round the 20th and was followed by a cold wave in the 4th week during which air temperature was below normal from 2 °C to 5 °C in the northern districts and from 4 °C to 9 °C in the southern districts. It reached its coldest limit round the 22 nd and 23 rd when it did not exceed 17 °C at Mersa Matruh and Alexandria, 18 °C at Cairo and Minya, and 20 °C at Aswan.

Light rain fell over scattered parts of the Mediterranean coastal strip, Delta and Cairo areas in few days. In particular during the period (22nd and 23rd) rain was heavy over the coastal strip between Damietta and El Arish ; its daily value was 11 mms. at Damietta, 16mms. at El Arish on the 22nd and was 15 mms. at Port Said on the 23rd Early morning mist developed more than 10 days of this month in Lower Egypt and Cairo area districts.

The monthly mean values of various meteorological elements for different districts and their deviations from their corresponding normals are given in the following table.

District	Atmospheric pressure (mb.) Corrected to M.S.L.			Air temperature (°C)						Relative humidity (%)			Total rainfall (mms)	
				Maximum (A)		Minimum (B)		(A+B)/2						
	Derivation of the mean values (a,c)	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Derivation of the mean values(a,e)	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	a	18.2	+ 1.1	23.9	— 0.3	14.2	— 0.5	19·0	— 0.4	a	66	— 4	8.5	—14.2
Lower Egypt	c	18.4	+ 1.5	25.0	— 0.8	12.4	— 0.8	18.7	— 0.8	e	83	+ 2	2.2	— 8.3
Cairo Area	a	18.1	+ 1.4	24.7	— 1.0	12.9	— 0.9	18.8	— 1.0	a	62	— 4	0.4	— 2.6
Upper Egypt	a	16.7	+ 1.2	26.7	— 1.0	11.7	— 1.1	19.2	— 1.0	a	50	— 5	0.0	— 0.5
Western Desert	a	17.8	+ 1.0	26.1	— 0.5	9.5	— 1.9	17.8	— 1.2	a	46	— 6	0.0	— 0.6
Red Sea	a	15.3	+ 1.0	26.0	— 1.0	16.8	— 1.0	21.4	— 1.0	a	51	— 7	0.0	— 3.2

a = the 24 hours mean. c = 4 main synoptic hours mean. e = 06 & 18 U.T. hours mean.

PRESSURE DISTRIBUTION

At the beginning of the month, the pres-
ıre distribution over the surface map can be
ıalysed in : —

— A large scale high pressure system
ıtending from the Atlantic to Russia through
ırasia including both the Atlantic and the
ıberian anticyclones.

— A deep low pressure system in higher
ıtitudes north of the Black Sea extending
oft in the upper levels.

— A local anticyclone over Libian and
gyptian Deserts.

— Two shallow troughs of low pressure
ver Arabia and Algiers.

On the 2nd, the trough of low pressure
ver Arabia deepened appreciably while the
eep trough of low pressure north of the
ack Sea and the high presure systems over
e Atlantic, Siberia and North Africa remai-
ed stationary.

On the 3rd, the first Mediterranean secon-
ıry depression developed over West Medi-
rranean; it deepened considerably on the
h and 5th ; then it started its eastward track
ıd by the 6th, it approached Italy while it
as maintaining its intensity. On the 7th it
arted to fill rapidly along its NE preferred
ack and by the 8th it decayed in the Black
ea vicinities.

On the 9th, an active Atlantic deep low
pproached West Europe and started its
utheast track through France while continu-
g its rapid deepening and enlarging proces-
s. By the 12th, it operated over West Medi-
rranean, Spain and South Europe. From
the 13th up till the 15th, it started to fill
rapidly along a northeast track towards the
northern vicinities of the Black Sea.

On the 16th, the third Mediterranean secon-
dary depression developed over Central Medi-
terranean and proceeded slowly eastwards
towards Cyprus where it deepened slightly
and was stationary on the 20th and 21st.

On the 25th, a fourth Mediterranean
secondary depression developed over Spain
and started its northeast track through Europe
till the 27th, while the 5th Mediterranean
secondary depression appeared over West
Mediterranean on the 28th, then proceeded
its preferred track (NE track) and approached
Italy by the 30th.

It is worthy to note that high pressure
operated over East Mediterranean most of
this month. Over U.A.R. in particular during
the last ten days, the barometric pressure
exceeded considerably its normal and its
departure above normal ranged between 5
and 10 millibar.

SURFACE WIND

During most of this month, light to moderate
northerly winds prevailed over the whole
Country with the exception of the western
districts where W/SW winds blew round the
4th, 18th, 19th & 20th. Calms were frequ-
ent most of the night time intervals and part
of the daytime intervals over scattered locali-
ties particularly in Upper Egypt and Western
Desert districts. Fresh to strong winds blew
over the Red Sea coasts round the 9th, 10th
and most of the period (22nd — 30th).

Gales were reported at Dabaa and Fayed
on the 21st.

TEMPERATURE

Over the northern parts of the Republic, maximum temperature oscillated generally below its normal round the cold period (21st - 27th) and above normal otherwise ; and consequently its daily values ranged between (17 °C & 22 °C) and between (23 °C & 29 °C) respectively. Over the inland and far inland parts, maximum temperature oscillated appreciably below its normal during the cold period (21st — 30th), to a moderate extent round its normal otherwise, and its daily values ranged between (23 °C & 27 °C) and between (25 °C & 35 °C) respectively.

The absolute maximum temperature was 35.0 °C reported at Aswan on the 6th.

Minimum temperature oscillated to a moderate extent round its normal during the first 3 weeks and considerably below its normal otherwise ; and its daily value ranged between (10 °C & 20 °C) and between (12 °C & 2 °C) respectively.

The absolute minimum temperature was 2.0 °C reported at Bahariya on the 25th.

PRECIPITATION

Rainfall was generally light. It included the northern part (north of Cairo) of the Republic during the period (21st — 23rd), but was confined to scattered few coastal localities during the 3rd, 4th, 9th & 10th. As an exception, rainfall was heavy over the coastal strip between Damietta and El Arish on the 22nd & 23rd ; and its daily value exceeded 10 mms. For the month as a whole, the number of the rainy days were few and the total monthly value was below its normal. Pronounced defficiency of rain was marked over the Egyptian Mediterranean strip west Damietta.

The absolute total monthly rainfall was 21.2 mms. reported at Port Said, while the absolute daily rainfall was 15.8 mms reported at El Arish on the 22nd.

MISCELLANEOUS WEATHER PHENOMENA

Hail fell at Ghazza on the 23rd.

Thunderstorms occurred at : Port Said on the 10th; Zaher and Inshas on the 9th.

Mist patches developed at : Sallum on the 15th & 16th ; Mersa Matruh on the 15th ; Dekheila on the 8th, (15th — 18th) & 29th ; Alexandria on the 7th, 8th, 12th, 14th, 18th, 28th & 29th ; Baltcam on the 18th ; Damietta on the 27th ; Port Said on the 4th, 16th & 29th ; El Arish on the 7th, 8th & 15th ; Ghazza on the 8th ; Monsoura on the 13th, 14th, 17th, 18th & 30th ; Tahrir on the 3rd, 5th, 7th, 8th, 9th, (12th — 15), 17th, 18th 24th, 25th & (27th 30th) ; Shebin El Kom on the 7th, 8th, 9th, 13th, 14th, 17th, 18th, 28th & 29th ; Abu Sueir on the 3rd, 4th, 5th, 7th 8ht, 9th, (11th — 16th), 20th, 26th, 27th & 30th ; Zaher on the 1st, 3rd, (5th — 9th) 11th, 14th, 15th, 16th, 20th, 26th, 27th, 28th & 30th ; Inshas on the 2nd, 3rd, (6th — 10th) 12th, 13th, 14th, 17th & 31th ; Kabrit on the 7th & 9th ; Cairo (A) on the 1st, 3rd, 4th 8th, 9th, 12th, 14th, 16th, 28th & 30th ; Mostafa Helmi on the (1st — 4th), (6th — 9th) (13th — 17th), 23rd, 24th & (26th — 30th) Almaza on the (1st — 4th), 7th, 8th, 9th 12th, 14th, 16th, 28th & 30th ; Abbasiya o

the 3rd, (6th x 9th), 11th, 12th, 14th, 16th, 28th, & 30th ; Imbaba on the 7th, 9th, 12th, 13th, 14th & 30th ; Giza on the 7th, 8th, 9th, 13th, 14th, 17th, 20th, 24th, 29th & 30th ; Minya on the 17th ; and at Asyout on the 2nd, 9th & 10th.

Fog patches developed at : Sallum on the 15th & 16th ; Sidi Barrani on the 15th ; Mersa Matruh on the 16th ; Dekheila on the 13th, 14th, 16th, 17th & 18th ; Alexandria on the 7th, (13th — 18th), 27th, 29th &30th ; Damietta on the 8th ; Ghazza on the 8th & 15th ; Mansoura on the 8th, 12th, 13th, & 16th, Tahrir on the 7th, 8th, 13th, 14th, 17th & 18th ; Shebin el Kom on the 8th, 13th, 14th, 17th & 18th ; Abu Sueir on the 7th, 8th, 14th, 15th & 16th ; Zaher on the 7th, 8th, 9th, & 30th ; Wadi El Natron on the 7th, 8th, 13th, 14th & 17th , Inshas on the 3rd, 7th, 8th, 9th, 12th, 14th, 16th & 30th , Foyed on the 16th ; Kabrit on the 7th ; Cairo A on the 3rd, 7th, 8th, 9th, 14th, 16th & 30th; Mostafa Helmi on the 7th, 8th, 9th, 14th, 17th, 29th & 30th ; Almaza on the 3rd, 8th, 9th, 14th & 16th ; Abbasiya on the 8th, 9th, 14th, 16th & 30th ; Imbaba on the 7th, 14th & 30th ; Giza on the 7th, 8th, 9th, 13th, 14th, & 17th ; Beni Suef on the 8th ; and at Bahariya on the 3rd.

Rising sand or dust was reported at Sallum & Mersa Matruh on the 20th ; Dabaa & El Arish on the 21st ; Abu Sueir on the 19th & 21st ; Zaher on the 18th & 19th ; Wadi El Natrun on the 21st ; Inshas on the 19th, 21st & 23rd ; Cairo (A) on the 21st & 23rd ; Mostafa Helmi, Almaza, Imbaba, Beni Suef, Minya, Siwa, Bahariya, Farafra & Tor on the 21st ; Kharga on the 22nd ; and at Quseir on the 10th, 11th, 22nd & 23rd.

Sand or duststorms blew over : Tahrir on the 21st ; Abu Sueir on the 21st & 23rd ; Wadi El Natrun, Fayed, Kabrit, Minya & Abu Redes on the 21st ; and over Quseir on the 10th.

Cairo 18/3/1970

M. F. TAHA
UNDER SECRETARY OF STATE
DIRECTOR GENERAL
METEOROLOGICAL DEPARTMENT

Table A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "Hp" AND TO MEAN SEA LEVEL

NOVEMBER 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. mean	1800 U.T. Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal
MEDITERRANEAN	Sallum	6.0	1018.2	—	1018.7	+ 1.5	1017.6	+ 1.4	1018.5	+ 1.8	5.2	1018.7	—	1019.2	+ 1.6	1018.1	+ 1.5	1019.6	+ 1.9
	Sidi Barrani	22.8	1015.3	+ 1.2	1015.9	+ 1.2	1014.7	+ 1.0	1015.6	+ 1.3	22.8	1018.1	+ 1.2	1018.7	+ 1.2	1017.5	+ 1.0	1018.4	+ 1.3
	Mersa Matruh (A)	30.0	1015.4	+ 1.9	1015.9	+ 2.0	1014.9	+ 1.7	1015.7	+ 1.9	30.0	1019.1	+ 1.9	1019.6	+ 2.0	1018.6	+ 1.7	1019.4	+ 1.9
	Dabaa	18.0	1015.9	—	1016.6	—	1015.7	—	1016.4	—	18.0	1017.9	—	1018.6	—	1017.7	—	1018.4	—
	Dekhelia (A)	6.0	1018.4	—	1019.0	+ 1.9	1017.9	+ 1.8	1018.7	—	6.0	1019.0	—	1019.6	+ 1.9	1018.5	+ 1.8	1019.3	—
	Alexandria (A)	7.0	1017.8	+ 1.9	1018.5	+ 2.0	1017.3	+ 1.8	1018.3	+ 1.9	7.0	1018.6	+ 1.9	1019.3	+ 2.0	1018.1	+ 1.8	1019.1	+ 1.9
	Balteam	2.0	1018.2	—	1019.0	—	1017.6	—	1018.7	—	2.0	1018.4	—	1019.2	—	1017.8	—	1018.9	—
	Damietta	5.0	1017.5	—	1018.1	+ 2.2	1016.9	+ 1.5	1017.9	+ 1.5	5.0	1017.9	—	1018.5	+ 2.2	1017.3	+ 1.5	1018.3	+ 1.5
	Port Said (A)	7.4	1017.0	+ 1.5	1017.9	+ 1.8	1016.7	+ 1.8	1017.6	+ 1.8	7.4	1017.7	+ 1.5	1018.6	+ 1.8	1017.4	+ 1.8	1018.3	+ 1.8
	El Arish	10.7	1016.0	+ 1.4	1016.9	+ 1.7	1015.4	+ 1.4	1016.3	+ 1.6	10.8	1017.9	+ 1.4	1018.8	+ 1.7	1017.3	+ 1.4	1018.2	+ 1.6
	Ghazza	15.7	1015.8	—	1016.6	—	1015.2	—	1016.1	—	15.7	1017.7	—	1018.5	—	1016.9	—	1017.9	—
LOWER EGYPT	Mansoura	8.0	1018.4	—	1019.0	+ 2.3	1017.2	+ 1.8	1018.3	+ 1.9	8.0	1018.8	—	1019.4	+ 2.3	1017.6	+ 1.8	1018.7	+ 1.9
	Damanhour	6.7	1018.2	—	1018.5	+ 1.4	1017.3	+ 1.4	1018.1	+ 1.4	6.7	1018.8	—	1019.2	+ 1.4	1018.0	+ 1.4	1018.8	+ 1.4
	Gimmeiza	8.9	1017.0	—	1017.6	+ 1.2	1016.4	+ 1.3	1017.0	+ 1.2	8.9	1018.0	—	1018.6	+ 1.2	1017.4	+ 1.3	1018.0	+ 1.2
	Tanta	14.8	1016.4	—	1017.0	+ 1.0	1015.4	+ 1.1	1016.9	+ 1.5	14.8	1018.1	—	1018.7	+ 1.0	1017.1	+ 1.1	1018.6	+ 1.5
	Tahrir	16.0	1015.9	—	1016.8	—	1015.3	—	1016.4	—	16.0	1018.1	—	1019.0	—	1017.5	—	1018.6	—
	Shebin El Kom	13.1	1016.9	—	1017.8	+ 1.6	1015.9	+ 1.3	1017.3	+ 1.7	13.1	1018.4	—	1019.3	+ 1.5	1017.1	+ 1.2	1018.8	+ 1.6
	Zagazig	13.0	1017.0	—	1017.7	+ 1.8	1016.2	+ 2.0	1017.3	+ 2.1	13.0	1018.6	—	1019.3	+ 1.8	1017.8	+ 2.0	1018.9	+ 2.1
	Abu Sueir (A)	16.0	1016.8	—	1017.8	—	1015.7	—	1017.2	—	16.0	1018.7	—	1019.7	—	1017.5	—	1019.2	—
	Zaher (A)	23.5	1013.2	—	1014.5	—	1012.9	—	1013.7	—	23.5	1017.3	—	1018.2	—	1016.4	—	1017.3	—
	Wadi El Natrun	0.9	1019.2	—	1019.9	+ 2.0	1018.0	+ 1.8	1019.4	+ 2.3	0.9	1019.3	—	1020.0	+ 2.0	1018.1	+ 1.8	1019.5	+ 2.3
	Inshas	25.5	1014.3	—	1015.0	—	1013.1	—	1014.5	—	25.6	1017.4	—	1018.1	—	1016.1	—	1017.5	—
	Fayed (A)	35.0	1016.2	—	1017.1	—	1015.1	—	1016.7	—	35.0	1018.8	—	1019.7	—	1017.6	—	1019.2	—
	Kabrit (A)	4.9	1017.0	—	1018.0	—	1015.6	—	1017.0	—	4.9	1018.4	—	1019.4	—	1017.0	—	1018.6	—

Table A 1 (*contd.*).—**MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO "Hp" AND TO MEAN SEA LEVEL.**

NOVEMBER 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.)								Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.)							
			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
Cairo Area	Cairo (A)	74.5	1010.4	+ 2.5	1011.3	+ 2.4	1009.3	+ 2.0	1010.7	+ 2.3	74.5	1018.1	+ 2.4	1018.8	+ 2.2	1016.8	+ 1.9	1018.3	+ 2.2
	Mostafa Helmi (A)	164.0	998.8	—	999.5	—	998.1	—	999.9	—	164.0	1018.3	—	1019.0	—	1017.1	—	1018.3	—
	Almaza)A)	78.5	1008.5	+ 1.2	1009.5	+ 1.5	1007.4	+ 1.2	1008.9	+ 1.5	78.5	1017.9	+ 1.2	1018.8	+ 1.5	1016.5	+ 1.2	1018.2	+ 1.5
	Abbasiya (H.Q.)	26.4	1016.0	—	1016.8	—	1014.8	—	1016.1	—	26.4	1018.2	—	1019.0	—	1017.0	—	1018.3	—
	Imbaba (A)	19.0	1015.6	—	1016.6	—	1014.5	—	1015.4	—	19.0	1017.6	—	1018.7	—	1016.6	—	1017.9	—
	Giza	22.5	1015.4	—	1016.2	+ 0.8	1014.2	+ 0.7	1015.4	+ 0.7	22.5	1018.2	—	1019.0	+ 0.8	1017.0	+ 0.8	1018.2	+ 0.7
	Helwan	115.5	1001.4	—	1002.2	+ 2.1	1000.4	+ 2.2	1001.6	+ 2.2	115.5	1018.5	—	1019.2	+ 2.0	1017.0	+ 2.0	1018.5	+ 2.1
Upper Egypt	Fayoum	31.5	1015.4	—	1016.2	+ 2.3	1013.8	+ 2.2	1015.2	+ 2.5	31.5	1018.4	—	1019.3	+ 2.4	1016.7	+ 2.2	1018.2	+ 2.5
	Beni Suef	30.0	1014.4	—	1015.4	+ 1.1	1012.9	+ 0.9	1014.1	+ 1.0	30.0	1018.0	—	1019.0	+ 1.2	1016.4	+ 1.0	1017.6	+ 1.1
	Minya (A)	40.5	1012.3	+ 0.5	1013.5	+ 0.8	1011.4	+ 0.5	1012.0	+ 0.4	40.5	1017.3	+ 0.4	1018.4	+ 0.8	1016.1	+ 0.4	1016.9	+ 0.4
	Mangabad (A)	69.6	1009.4	+ 1.2	1010.6	+ 1.3	1008.1	+ 1.1	1009.1	+ 1.0	69.6	1017.8	+ 1.3	1019.0	+ 1.4	1016.2	+ 1.2	1017.3	+ 1.0
	Nag Hammadi	70.5	1005.5	—	1008.7	+ 0.7	1006.3	+ 0.8	1007.1	+ 0.8	70.5	1014.9	—	1017.1	+ 0.7	1014.3	+ 0.7	1015.4	+ 0.8
	Kena	74.2	1006.6	—	1008.9	+ 1.5	1006.0	+ 1.6	1006.8	+ 1.3	74.2	1015.4	—	1017.6	+ 1.6	1014.5	+ 1.7	1015.3	+ 1.2
	Luxor (A)	88.5	1004.9	+ 0.2	1006.6	+ 0.4	1004.0	+ 0.3	1004.8	+ 0.1	88.5	1015.3	+ 0.2	1017.0	+ 0.5	1014.0	+ 0.3	1015.1	+ 0.2
	Kom Ombo	102.6	1002.5	—	1004.3	—	1001.4	—	1002.4	—	102.6	1014.7	—	1016.5	—	1013.1	—	1014.5	—
	Aswan (A)	193.5	991.6	—	993.2	+ 0.6	990.7	+ 0.8	991.4	+ 0.7	193.5	1014.5	—	1016.0	+ 0.6	1012.4	+ 0.6	1013.8	+ 0.8
Western Desert	Siwa	—13.5	1020.7	+ 1.5	1021.6	+ 1.1	1020.1	+ 0.9	1020.6	+ 1.2	—13.5	1018.9	+ 1.4	1019.8	+ 1.0	1018.4	+ 0.9	1018.9	+ 1.2
	Bahariya	129.5	1003.4	—	1004.2	+ 1.2	1002.1	+ 0.9	1003.0	+ 0.8	129.5	1018.7	—	1019.5	+ 1.3	1017.0	+ 1.1	1018.1	+ 0.9
	Farafra	91.8	1009.2	—	1010.0	+ 1.5	1008.6	+ 1.8	1009.0	+ 1.7	91.8	1019.5	—	1020.7	+ 1.7	1018.8	+ 2.0	1019.5	+ 1.8
	Dakhla	111.5	1002.6	—	1004.2	+ 0.6	1001.8	+ 0.4	1002.1	— 0.5	111.5	1016.0	—	1017.6	+ 0.8	1014.6	+ 0.4	1015.3	— 0.3
	Kharga	72.8	1007.3	—	1008.7	+ 0.5	1006.3	+ 0.3	1007.3	+ 0.6	72.8	1015.8	—	1017.2	+ 0.6	1014.5	+ 0.3	1015.7	+ 0.6
Red Sea	Suez	11.0	1016.8	—	1017.4	+ 1.9	1015.3	+ 0.5	1016.7	+ 2.3	11.0	1018.0	—	1018.6	+ 1.9	1016.5	+ 0.5	1017.9	+ 2.3
	Abu Redes	4.0	1016.0	—	1017.3	—	1015.2	—	1016.2	—	4.0	1016.0	—	1017.3	—	1015.2	—	1016.2	—
	Tor	4.2	1014.8	—	1016.2	+ 1.2	1014.4	+ 1.0	1015.0	+ 1.1	4.2	1015.2	—	1016.6	+ 1.2	1014.8	+ 1.0	1015.4	+ 1.1
	Hurghada	2.8	1015.2	+ 0.9	1016.8	+ 1.7	1014.6	+ 1.6	1015.5	+ 1.5	2.8	1015.4	+ 0.9	1017.0	+ 1.7	1014.8	+ 1.6	1015.7	+ 1.5
	Quseir	11.3	1013.3	—	1014.6	+ 0.8	1013.1	+ 0.5	1013.7	+ 0.7	11.3	1014.3	—	1015.6	+ 0.8	1014.1	+ 0.5	1014.7	+ 0.7
	Abul Kizan	5.0	1013.5	—	1014.9	—	1013.4	—	1014.1	—	5.0	1014.2	—	1015.4	—	1013.9	—	1014.6	—

Table A 2.—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS

NOVEMBER 1961

District	Station	Dry bulb temperature (°C)								Wet 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
Mediterranean	Sallum	17.5	—	17.0	— 0.8	24.2	+ 1.0	19.4	— 0.1	13.7	—	13.2	— 1.1	16.4	— 0.3	15.1	— 0.4	63	—	63	— 3	41	— 7	61	— 2
	Sidi Barrani	15.2	— 0.8	15.4	— 0.8	22.8	+ 0.4	17.7	— 1.2	12.4	— 0.6	12.5	— 0.8	16.1	— 0.3	14.0	— 1.2	70	+ 2	69	— 1	47	— 4	64	— 1
	Mersa Matruh (A)	15.0	— 0.2	16.3	— 0.8	22.7	+ 0.4	17.0	— 1.1	12.5	— 0.3	13.4	— 0.8	16.2	— 0.7	13.2	— 1.9	73	— 1	70	— 1	48	— 7	63	— 8
	Dabaa	13.8	—	16.1	— 0.8	22.4	+ 0.1	17.0	— 1.0	11.4	—	13.9	— 0.2	16.6	— 0.4	14.3	— 1.0	73	—	77	+ 5	52	— 4	73	— 1
	Dekheila (A)	15.8	—	17.1	— 2.4	22.4	— 0.1	18.9	—	13.9	—	15.0	— 1.5	17.5	— 0.5	15.8	—	80	—	79	+ 7	59	— 4	71	—
	Alexandria (A)	15.5	— 1.1	18.2	— 0.3	23.3	+ 0.1	17.9	— 0.4	14.1	— 0.9	16.1	+ 0.1	17.9	+ 0.4	15.6	— 0.2	85	+ 2	79	+ 3	56	+ 2	77	+ 1
	Balteam	17.7	—	20.4	—	22.9	—	18.7	—	15.2	—	16.8	—	17.9	—	16.2	—	75	—	67	—	59	—	76	—
	Damietta	16.7	—	18.1	— 0.9	24.1	+ 1.6	18.0	— 1.2	15.3	—	16.2	— 0.5	18.5	+ 0.7	16.1	— 0.7	85	—	81	+ 3	56	— 5	80	+ 3
	Port Said (A)	19.4	— 0.1	19.6	— 0.6	21.7	— 1.1	20.1	— 0.5	16.7	— 0.4	16.8	— 0.5	17.6	— 0.6	17.1	— 0.5	74	— 4	74	0	65	+ 3	73	0
	El Arish	15.3	— 0.3	17.2	— 1.4	22.7	— 0.7	18.9	— 1.1	13.6	— 0.1	14.3	— 1.5	17.6	— 1.1	16.0	— 1.2	82	+ 2	71	— 2	58	— 4	73	—
	Ghazza	15.4	—	16.7	—	21.5	—	18.9	—	13.2	—	13.7	—	17.6	—	16.0	—	77	—	69	—	66	—	73	—
Lower Egypt	El Sirw	17.2	—	18.1	— 1.9	22.2	— 1.1	18.3	— 0.5	—	—	16.2	— 1.6	17.4	— 1.9	16.4	— 0.1	—	—	81	+ 2	60	— 7	81	+ 3
	Sakha	15.3	—	18.7	+ 1.1	24.5	— 0.3	18.1	+ 1.3	—	—	16.8	+ 0.7	19.6	+ 0.4	16.6	+ 1.2	—	—	82	— 3	61	+ 5	82	— 1
	Mansoura	13.6	—	16.5	— 1.5	23.6	— 1.4	16.5	— 2.2	12.7	—	14.9	— 1.0	17.3	— 1.1	14.7	— 1.5	90	—	83	+ 4	50	0	81	+ 5
	Damanhour	14.4	—	16.9	— 0.2	23.9	— 0.4	17.3	— 0.8	—	—	15.8	+ 0.4	17.4	— 0.9	15.5	— 0.3	—	—	89	+ 6	49	— 4	82	+ 5
	Gimmeiza	13.3	—	18.1	+ 0.4	24.3	— 0.6	17.4	+ 0.4	—	—	16.4	+ 0.2	19.0	— 0.3	15.8	+ 0.1	—	—	83	— 2	58	+ 1	84	— 3
	Tanta	13.8	—	15.5	— 2.0	23.9	— 0.8	16.5	— 1.2	12.5	—	13.7	— 2.2	17.7	— 0.6	14.4	— 1.4	86	—	81	— 3	51	0	78	— 3
	Tahrir	14.6	—	15.8	—	23.5	—	17.6	—	13.4	—	14.4	—	16.4	—	14.9	—	87	—	85	—	44	—	73	—
	Shebin El Kom	14.2	—	15.1	— 1.3	25.3	+ 0.2	17.3	— 0.8	12.8	—	13.8	— 1.0	19.1	+ 1.2	15.0	— 0.2	85	—	86	+ 7	53	— 7	77	+ 5
	Zagazig	15.0	—	15.2	— 2.7	24.0	— 1.0	18.0	— 0.3	—	—	13.9	— 2.1	17.4	— 1.4	15.7	— 0.5	—	—	86	+ 5	49	— 4	77	— 3
	Abu Sueir (A)	14.0	—	15.9	—	24.0	—	17.7	—	12.4	—	13.9	—	16.5	—	14.9	—	82	—	79	—	42	—	72	—
	Zaher (A)	14.5	—	15.4	—	23.7	—	17.9	—	13.0	—	13.6	—	16.4	—	14.9	—	84	—	81	—	43	—	71	—
	Wadi El Natrun	15.1	—	15.6	— 1.2	24.7	— 0.3	18.4	— 1.4	13.3	—	13.8	— 0.6	16.6	— 0.5	14.7	— 1.1	81	—	81	+ 5	39	— 2	64	+ 1
	Inshas	14.5	—	15.4	—	23.7	—	17.8	—	12.8	—	13.3	—	16.8	—	14.7	—	82	—	78	—	46	—	69	—
	Fayed (A)	14.4	—	16.9	—	24.3	—	17.9	—	12.9	—	14.5	—	17.0	—	15.0	—	84	—	76	—	45	—	72	—
	Kabrit (A)	15.5	—	16.4	—	24.6	—	18.4	—	13.3	—	14.0	—	16.5	—	14.7	—	77	—	75	—	39	—	64	—
Cairo Area	Cairo (A)	15.3	— 0.8	15.8	— 1.4	23.8	— 0.2	18.4	— 0.7	13.3	— 0.5	13.6	— 0.8	15.8	— 0.8	14.6	— 0.5	79	+ 3	77	+ 5	38	— 5	63	0
	Mostafa Helmi (A)	14.4	—	14.6	—	22.2	—	17.4	—	13.0	—	13.1	—	15.5	—	14.0	—	85	—	84	—	46	—	67	—
	Almaza (A)	15.3	— 1.2	15.6	— 2.2	24.0	— 0.8	18.4	— 1.5	12.6	— 1.6	13.0	— 2.1	15.9	— 1.3	14.2	— 1.5	71	— 5	73	0	38	— 5	60	— 2
	Abbasiya (HQ)	15.4	—	16.5	—	24.5	—	18.7	—	13.7	—	14.4	—	16.8	—	15.2	—	82	—	78	—	42	—	67	—
	Imbaba (A)	14.0	—	15.5	—	24.2	—	17.5	—	12.4	—	13.7	—	17.0	—	14.4	—	82	—	81	—	45	—	69	—
	Giza	14.1	—	15.4	— 1.0	23.9	— 1.4	18.3	— 0.3	13.1	—	13.9	— 1.1	16.1	— 1.7	14.8	— 1.0	90	—	84	— 1	40	— 5	66	— 7
	Helwan	15.7	—	16.6	— 0.9	23.8	— 0.9	18.5	— 1.7	13.0	—	13.7	— 0.8	15.6	— 0.8	14.2	— 0.9	72	—	70	0	37	— 1	60	+ 5

Table A 2. (*Contd.*)—**MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.**

NOVEMBER 1961

District	Station	Dry bulb temperature (°C)								Wet 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
Upper Egypt	Fayoum	15.3	—	16.6	— 0.9	25.5	— 0.3	18.8	— 0.2	13.1	—	14.1	— 0.6	16.7	— 0.5	14.3	— 0.9	77	—	74	+ 2	37	— 2	58	— 6
	Beni Suef	13.4	—	14.0	— 2.9	24.8	— 1.6	17.3	— 1.1	11.1	—	11.7	— 1.9	16.7	— 0.9	13.3	— 1.4	75	—	75	+ 8	40	+ 2	61	— 3
	Seds	—	—	14.9	— 1.7	25.0	— 0.5	17.2	— 0.2	—	—	13.2	— 1.3	17.4	— 0.8	13.9	— 0.9	—	—	82	+ 4	43	— 3	67	— 7
	Minya (A)	13.1	— 0.5	14.9	— 0.9	25.1	— 0.9	17.0	— 0.3	10.9	— 0.5	12.8	— 0.4	16.1	— 0.9	12.8	— 0.6	75	0	77	+ 4	35	— 1	59	— 3
	Mallawi	13.1	—	13.0	—	25.5	—	14.4	—	—	—	12.1	—	17.8	—	12.8	—	—	—	89	—	44	—	83	—
	Mangabad (A)	14.0	— 1.7	14.2	— 2.1	24.8	— 1.1	18.5	— 1.1	10.4	— 1.1	11.0	— 1.2	15.6	— 0.2	12·9	— 0.7	61	+ 4	65	+ 6	32	+ 2	49	+ 2
	Shandaweel	13.6	—	15.5	— 3.0	26.0	— 1.2	17.3	— 0.9	—	—	13.1	— 2.2	18.3	— 1.5	14.5	— 1.1	—	—	75	+ 5	44	— 2	72	— 3
	Nag Hammadi	14.6	—	16.6	— 2.1	26.4	— 1.2	18.4	— 1.0	—	—	13.7	— 1.3	19.4	+ 0.1	15.1	— 0.7	—	—	70	+ 5	49	+ 7	68	— 1
	Kena	16.3	—	17.2	— 1.3	26.4	— 1.8	20.1	— 0.6	—	—	13.4	— 1.1	18.0	— 1.1	14.9	— 0.8	—	—	63	+ 1	40	+ 1	54	— 2
	Luxor (A)	13.9	— 1.7	17.2	— 1.9	27.7	— 0.3	19.2	— 1.3	10.4	— 0.9	12.5	— 1.3	17.1	— 0.8	13.5	— 0.7	61	+ 5	55	+ 3	29	— 3	49	+ 3
	Kom Ombo	14.6	—	18.3	—	28.9	—	20.4	—	10.1	—	13.0	—	17.0	—	13.2	—	52	—	51	—	24	—	39	—
	Aswan (A)	16.0	—	17.4	— 3.1	27.6	— 2.5	21.8	— 3.2	10.1	—	11.3	— 3.3	15.8	— 2.5	12.5	— 3.5	42	—	43	— 6	22	— 5	26	— 8
Western Desert	Siwa	12.0	— 1.7	12.3	— 1.2	25.0	+ 0.2	17.3	— 0.8	9.0	— 2.1	9.6	— 1.0	15.6	— 0.1	11.8	— 0.7	65	+ 4	69	+ 2	32	— 1	48	0
	Bahariya	13.6	—	14.1	— 2.8	25.2	0.0	18.9	0.0	11.7	—	12.1	— 1.7	16.8	— 0.6	13.6	— 0.5	79	—	78	+ 9	38	— 4	52	— 4
	Farafra	12.7	—	12.6	— 2.3	24.8	— 0.8	17.6	— 0.7	8.9	—	8·6	— 2·7	14.2	— 2.6	10.9	— 2.1	57	—	55	— 7	24	—13	38	—13
	Dakhla	11.8	—	13.8	— 2.0	25.5	— 0.2	17.4	— 2.8	7.8	—	9.8	— 2.0	14.3	— 2.4	10.9	— 2.8	54	—	57	— 2	23	—13	39	— 5
	Kharga	13.8	—	17.1	— 1.4	27.2	— 0.7	18.3	— 3.2	10·2	—	12.6	— 1.4	17.0	— 1.4	12.5	— 2.4	60	—	56	— 2	31	— 5	47	+ 2
Red Sea	Suez	15.6	—	16.7	— 1.9	24.3	— 1.0	20.3	— 0.2	—	—	14.7	— 1.1	17.3	— 0.8	15.9	— 0.6	—	—	79	+ 6	47	0	61	— 3
	Abu Redes	17.9	—	20.2	—	23.8	—	20.9	—	12.7	—	13.9	—	17.8	—	15.0	—	51	—	45	—	52	—	50	—
	Tor	15.9	—	17.7	— 2.0	24.7	— 0.7	20.1	— 1.6	11.4	—	11.9	— 3.3	17.9	— 2.4	14.6	— 2.6	55	—	46	—13	48	—13	52	—10
	Hurghada	16.6	— 0.2	20.1	— 0.7	24.8	+ 0.1	19.7	— 1.7	12.1	— 0.2	14.3	— 0.9	17.4	— 2.1	14.7	— 2.0	56	0	49	— 3	45	—14	55	— 5
	Quseir	19.7	—	22.7	— 0.9	24.9	— 1.2	21.5	— 2.0	14.7	—	15.9	— 1.5	18.4	— 2.4	16.4	— 2.6	55	—	45	— 6	51	— 9	56	— 7
	Abul Kizan	—	—	25.8	— 1.3	26·1	— 1.8	24.7	— 1.2	—	—	21.5	— 1.9	21.6	— 2.0	20.9	— 1.7	—	—	67	— 5	66	— 2	69	— 5

Table A 3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND RELATIVE HUMIDITY

NOVEMBER 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity%		
		Derivation of the mean values a, b, c, d	Station Pressure Corrected to Hp		M.S.L. Pressure		Maximum (A)		Minimum (B)		(A+B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d,e	Mean	Dev, from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a, b, c, d,	Mean	Dev. from normal	Deriv. of the mean values a, b, c, d,	Mean	Dev, from normal			
MEDITERRANEAN	Sallum	a	1018.3	+ 1.5	1018.8	+ 1.4	24.9	+ 0.1	15.5	+ 1.6	20.2	a	19.7	+ 1.1	a	14.7	— 0.1	a	55	— 9
	Sidi Barrani	a	1015.4	+ 0.8	1018.2	+ 0.8	23.8	+ 0.4	13.6	— 0.1	18.7	a	18.1	— 0.3	a	13.9	— 1.2	a	60	— 8
	Mersa Matruh (A)	a	1015.5	+ 0.7	1019.2	+ 0.7	24.2	+ 0.6	13.1	— 0.7	18.6	a	18.0	— 0.3	a	14.1	— 0.8	a	63	— 4
	Dabaa	a	1016.1	—	1018.1	—	23.7	+ 0.1	12.4	— 0.5	18.0	a	17.4	— 0.1	a	13.9	— 0.9	a	66	— 7
	Dekheila (A)	a	1018.5	—	1019.1	—	23.2	— 1.2	14.0	— 2.0	18.6	a	18.7	—	a	15.6	—	a	70	—
	Alexandria (A)	a	1018.0	— 1.6	1018.8	+ 1.6	24.6	+ 0.4	13.5	— 1.2	19.0	a	18.7	— 0.7	a	15.8	— 0.4	a	72	+ 2
	Balteam	a	1018.3	—	1018.5	—	24.0	—	16.0	—	20.0	a	19.8	—	a	16.5	—	a	70	—
	Damietta	a	1017.6	+ 1.5	1018.0	+ 1.5	25.0	+ 0.7	15.3	— 0.1	20.2	a	19.2	+ 0.2	a	16.4	— 0.3	a	74	— 4
	Port Said (A)	a	1017.3	+ 1.7	1018.0	— 1.7	22.9	— 0.9	17.7	— 0.6	20.3	a	20.2	— 0.7	a	17.1	— 0.6	a	72	0
	El Arish	a	1016.2	+ 1.5	1018.1	+ 1.5	24.5	— 0.7	13.5	— 0.7	19.0	a	18.5	— 0.6	a	15.4	— 1.4	a	70	— 4
	Ghazza	a	1016.0	—	1017.8	—	22.4	— 2.7	13.3	— 0.3	17.8	a	18.2	—	a	15.1	—	a	69	—
LOWER EGYPT	El Sirw	—	—	—	—	—	23.3	— 0.9	14.1	— 0.2	18.7	c	19.0	0.0	c	17.0	+ 0.5	e	81	+ 5
	Sakha	—	—	—	—	—	25.5	— 0.3	12.3	— 0.4	18.9	c	19.2	+ 1.2	c	17.5	+ 0.9	e	84	— 2
	Mansoura	a	1018.2	+ 2.0	1018.6	+ 2.0	24.1	— 1.5	11.5	— 2.7	18.0	a	17.5	— 1.5	a	14.7	— 2.0	a	72	— 6
	Damanhour	c	1018.0	+ 1.5	1018.7	+ 1.5	25.2	— 0.4	12.6	— 1.4	18.9	c	18.1	— 0.3	c	16.7	+ 0.3	e	86	+ 6
	Gimmeiza	c	1017.0	+ 1.2	1018.0	+ 1.2	24.9	— 1.1	11.5	— 0.8	18.2	c	18.3	+ 0.3	c	16.7	+ 0.1	e	84	— 2
	Tanta	a	1016.4	+ 1.2	1018.1	+ 1.1	24.7	— 1.1	12.1	— 0.1	18.4	a	17.6	— 0.4	a	14.7	— 1.5	a	71	11
	Tahrir	a	1016.1	—	1018.3	—	24.9	— 1.0	12.7	— 1.1	18.8	a	18.0	—	a	14.8	—	a	69	—
	Shebin El Kom	a	1016.9	+ 1.5	1018.4	+ 1.6	26.2	— 0.2	12.4	— 0.7	19.3	a	18.3	+ 0.1	a	15.3	— 0.3	a	71	— 4
	Zagazig	c	1017.0	+ 1.9	1018.6	+ 1.9	25.0	— 1.3	13.0	+ 0.1	19.0	c	18.0	— 0.5	c	15.8	— 0.6	e	82	+ 2
	Abu Sueir (A)	a	1016.9	—	1018.8	—	25.2	—	12.3	—	18.8	a	18.0	—	a	14.5	—	a	66	—
	Zaher (A)	a	1013.7	—	1017.2		24.5	—	12.4	—	18.4	a	18.0	—	a	14.5	—	a	66	—
	Wadi El Natrun	a	1019.1	+ 2.0	1019.2	+ 2.0	26.0	— 0.4	12.2	— 0.8	19.1	a	18.7	+ 0.1	a	14.7	— 0.7	a	62	— 8
	Inshas	a	1014.2	—	1017.3	—	24.5	—	12.6	—	18.6	a	18.0	—	a	14.5	—	a	66	—
	Fayed (A)	a	1016.2	—	1018.8	—	25.3	—	12.5	—	18.9	a	18.4	—	a	14.8	—	a	65	—
	Kabrit (A)	a	1016.9	—	1018.3	—	25.3	—	13.3	—	19.3	a	18.8	—	a	14.7	—	a	61	—

a = the 24 hours mean, b = 8 synoptic hours mean. c = 4 main synoptic hours mean.
d = 06, 12 & 18 U.T. hours mean. e = 06 & 18 U.T. hours mean.

Table A 3. (cont.)—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURE AND THE RELATIVE HUMIDITY

NOVEMBER 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)										Relative humidity%		
		Derivation of the mean values a, b, c, d	Station Pressure corrected to Hp		M.S.L. Pressure		Maximum (A)		Minimum (B)		(A+B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values, a, b, c, d,	Mean	Dev. from normal	Deriv. of the mean values a, b, c, d,	Mean	Dev. from normal			
Cairo Area	Cairo (A)	a	1010.4	+ 1.4	1018.0	+ 1.3	24.7	— 0.1	13.0	— 0.9	18.8	a	18.4	— 0.9	a	14.4	— 0.7	a	62	+ 1
	Mostafa Helmi (A)	a	998.9	—	1018.2	—	22.8	—	12.7	—	17.8	a	17.3	—	a	14.0	—	a	68	—
	Almaza (A)	a	1008.6	+ 1.5	1017.9	+ 1.4	24.6	— 1.0	13.1	— 1.1	18.8	a	18.3	— 1.5	a	14.0	— 1.6	a	60	— 1
	Abbasiya (H.Q.)	a	1016.0	—	1018.1	—	25.9	—	13.1	—	19.5	a	18.8	—	a	15.1	—	a	65	—
	Imbaba (A)	a	1015.6	—	1017.7	—	25.1	—	11.7	—	18.4	a	17.8	—	a	14.4	—	a	67	—
	Giza	a	1015.3	+ 0.8	1018.1	+ 0.8	25.0	— 1.0	12.1	0.0	18.6	a	18.0	— 0.1	a	14.6	— 1.4	a	67	—12
	Helwan	a	1001.3	+ 2.1	1018.3	+ 2.1	24.6	— 1.8	13.3	— 1.6	19.0	a	18.7	— 1.0	a	14.2	— 1.2	a	58	— 3
Upper Egypt	Fayoum	a	1015.1	+ 2.4	1018.1	+ 2.4	26.3	— 0.5	13.1	— 0.2	19.7	a	19.1	+ 0.2	a	14.5	— 1.0	a	58	—10
	Beni Suef	a	1014.2	+ 1.1	1017.7	+ 1.1	25.5	— 1.4	11.3	+ 0.1	18.4	a	17.6	— 0.8	a	13.3	— 1.0	a	59	— 7
	Seds	—	—	—	—	—	26.0	— 0.9	10.2	— 0.5	18.1	c	16.8	— 0.7	c	14.2	— 0.9	c	74	— 2
	Minya (A)	a	1012.4	+ 0.8	1017.2	+ 0.7	25.7	— 0.9	10.9	— 0.6	18.3	a	17.6	— 1.1	a	13.1	— 1.3	a	57	— 3
	Mallawi	—	—	—	—	—	26.9	—	9.2	—	18.0	c	16.5	—	c	15.2	—	c	86	—
	Mangabad (A)	a	1009.3	+ 1.2	1017.6	+ 1.3	25.6	— 0.6	11.2	— 1.5	18.4	a	18.0	— 1.3	a	12.6	— 1.0	a	49	— 0
	Shandaweel	—	—	—	—	—	27.6	— 1.2	11.4	— 0.9	19.5	c	18.1	— 2.0	c	15.4	— 1.6	c	74	+ 2
	Nag Hammadi	c	1006.9	+ 0.3	1015.2	+ 0.3	27.6	— 1.2	11.4	— 0.8	19.5	c	19.0	— 0.5	c	15.7	— 0.1	c	69	+ 3
	Kena	c	1007.1	+ 1.3	1015.7	+ 1.3	28.4	— 1.5	13.0	— 0.8	20.6	c	20.0	— 0.3	c	15.4	— 0.3	c	58	— 1
	Luxor (A)	a	1005.1	+ 1.0	1015.3	+ 1.0	27.9	—1.2	10.2	— 2.0	19.0	a	19.4	— 1.4	a	13.4	— 1.2	a	47	— 0
	Kom Ombo	a	1002.6	—	1014.6	—	29.8	—	11.0	—	20.4	a	20.2	—	a	13.1	—	a	40	—
	Aswan (A)	a	991.7	+ 0.6	1014.2	+ 0.6	28.9	— 1.9	12.7	— 3.9	20.8	a	20.7	— 2.1	a	12.4	— 3.0	a	31	—10
Western Desert	Siwa	a	1020.7	+ 1.4	1019.0	+ 1.4	26.0	+ 0.5	8.9	— 1.7	17.4	a	16.9	— 0.9	a	11.6	— 1.0	a	49	— 2
	Bahariya	a	1003.2	+ 1.1	1018.3	+ 1.1	25.7	— 0.3	10.0	— 1.3	17.8	a	18.0	— 0.1	a	13.7	— 0.4	a	59	— 3
	Farafra	a	1009.2	+ 1.7	1019.7	+ 1.8	24.6	— 1.8	9.1	— 0.8	16.8	a	17.2	— 0.0	a	10.7	— 1.3	a	39	—11
	Dakhla	a	1002.7	+ 0.2	1015.9	+ 0.2	26.2	— 0.5	8.5	— 3.6	17.4	a	17.2	— 1.8	a	10.6	— 2.5	a	39	— 9
	Kharga	a	1007.4	+ 0.4	1015.9	+ 0.5	28.0	— 0.4	11.0	— 2.1	19.5	a	18.9	— 1.3	a	12.9	— 1.6	a	46	— 4
Red Sea	Suez	c	1016.6	+ 1.4	1017.8	+ 1.4	25.4	— 1.1	13.5	— 1.6	19.4	c	19.2	— 0.6	c	16.0	— 0.4	c	70	+ 1
	Abu Redes	a	1016.1	—	1016.5	—	25.4	—	15.5	—	20.4	—	20.6	—	a	14.8	—	a	50	—
	Tor	a	1015.1	+ 1.0	1015.5	+ 1.0	26.0	— 0.5	13.6	— 1.0	19.8	a	19.8	— 0.6	a	14.2	— 1.7	a	51	— 9
	Hurghada	a	1015.5	+ 1.3	1015.7	+ 1.3	25.3	— 0.0	14.8	— 0.8	20.0	a	20.0	— 0.7	a	14.5	— 1.2	a	51	— 5
	Quseir	a	1013.7	+ 0.6	1014.7	+ 0.6	25.7	— 1.7	18.5	— 1.0	22.1	a	22.3	— 0.9	a	16.5	— 1.5	a	52	— 6
	Abul Kizan	c	1014.0	—	1014.5	—	27.4	— 1.8	23.6	— 0.4	25.5	c	25.5	— 0.7	c	21.4	— 1.4	e	68	— 5

a = the 24 hours mean. b = 8 synoptic hours mean. c — 4 main synoptic hours mean. d = 06, 12 & 18 U.T. hours mean. e = 06 & 18 U.T. hours mean.

TABLE A 4 — MAXIMUM AND MINIMUM AIR TEMPERATURES

NOVEMBER 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
Mediterranean	Sallum	31.6	13	17.0	22	8	4	0	0	0	20.6	12	9.0	23	1	0	0	0
	Sidi Barrani	32.0	12	15.9	22	10	2	0	0	0	19.1	2	7.8	30	5	0	0	0
	Mersa Matruh (A)	30.4	12	17.0	22	13	1	0	0	0	18.3	1	9.2	26, 27	2	0	0	0
	Dabaa	29.3	12	16.6	22	10	0	0	0	0	17.3	1	7.9	28	5	0	0	0
	Dekheila (A)	27.5	12	17.2	22	6	0	0	0	0	20.0	2	8.2	24	4	0	0	0
	Alexandria (A)	27.7	13	18.5	22, 23	17	0	0	0	0	19.5	1	7.7	25	5	0	0	0
	Balteam	28.6	17	16.0	22	16	0	0	0	0	19.3	1, 19	11.9	23	0	0	0	0
	Damietta	29.1	18	17.4	22	18	0	0	0	0	19.8	16	9.2	23	1	0	0	0
	Port Said (A)	25.9	18	16.6	22	3	0	0	0	0	21.8	2, 16	10.3	23	0	0	0	0
	El Arish	30.0	17	16.3	23	16	0	0	0	0	18.2	3	5.0	26	5	0	0	0
	Ghazza	26.7	18	14.8	23	1	0	0	0	0	17.9	3	5.9	24	8	0	0	0
Lower Egypt	EL Sirw	27.0	18	17.0	22	9	0	0	0	0	18.8	15, 16	8.0	23	2	0	0	0
	Sakha	30.0	16, 17	17.0	23	19	0	0	0	0	17.0	2	8.3	25	7	0	0	0
	Mansoura	28.5	17	17.3	22	19	0	0	0	0	17.3	15	5.2	26	7	0	0	0
	Damanhour	29.4	17	18.1	22	18	0	0	0	0	16.0	9	6.9	24	5	0	0	0
	Gimmeiza	29.0	17	17.0	22	19	0	0	0	0	16.0	3, 9	5.5	24,25,26	8	0	0	0
	Tanta	28.5	17	17.3	22	19	0	0	0	0	16.5	9	5.5	25	6	0	0	0
	Tahrir	29.8	17	17.3	22	20	0	0	0	0	16.8	9	6.3	25	7	0	0	0
	Shebin El Kom	30.5	17	17.2	22	21	1	0	0	0	16.7	9	5.8	25, 26	5	0	0	0
	Zagazig	30.0	17	17.8	23	19	0	0	0	0	17.5	9	5.8	25	5	0	0	0
	Abu Sueir (A)	30.2	17	17.4	22	20	2	0	0	0	17.5	9	4.0	25	8	2	0	0
	Zaher (A)	30.5	17	16.7	22	18	1	0	0	0	17.0	9,16,19	4.0	25	6	1	0	0
	Wadi EL Natrun	29.8	6	18.3	22	20	0	0	0	0	17.9	16	5.2	24	7	0	0	0
	Inshas	29.0	17	16.9	22, 23	19	0	0	0	0	17.3	9, 15	3.7	25	7	1	0	0
	Fayed (A)	30.4	16	17.8	23	20	2	0	0	0	17.7	1	4.1	25	7	2	0	0
	Kabrit (A)	30.2	16	17.8	23	20	1	0	0	0	18.1	9	5.6	27	5	0	0	0
Cairo Area	Cairo A)	29.2	16	17.5	22	16	0	0	0	0	18.4	9	5.0	25	4	0	0	0
	Mostafa Helmi (A	29.8	17	15.9	22	5	0	0	0	0	16.8	9	5.9	25	6	0	0	0
	Almaza (A)	30.1	16	16.9	23	16	1	0	0	0	18.3	9	5.8	25	5	0	0	0
	Abbasiya (H.Q)	30.0	16	18.5	23	20	0	0	0	0	18.3	9	5.4	25	6	0	0	0
	Imbaba A)	29.3	17	18.4	22	18	0	0	0	0	17.6	9	3.4	26	9	3	0	0
	Giza	29.6	17	17.8	22	19	0	0	0	0	17.6	9	5.0	25	8	0	0	0
	Helwan	30.0	16	16.7	22	16	0	0	0	0	18.4	9	5.2	23	5	0	0	0

TABLE A 4 (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES

NOVEMBER 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
Upper Egypt	Fayoum	30.5	16	19.0	23	22	3	0	0	0	18.9	9	7.3	25	4	0	0	0
	Beni Suef	30.5	15	17.0	23	21	2	0	0	0	17.3	3	3.9	26	8	2	0	0
	Seds	31.0	14	19.0	23	21	1	0	0	0	18.0	9	2.5	25, 26	13	4	0	0
	Minya (A)	29.0	14, 15	18.2	23	30	0	0	0	0	17.4	2	3.0	26	9	2	0	0
	Mallawi	31.0	13	19.0	22	23	2	0	0	0	15.5	3	2.2	26	19	4	0	0
	Mangabad (A	29.5	17	18.7	22	21	0	0	0	0	16.5	3	5.1	23	9	0	0	0
	Shandaweel	31.3	7	19.5	23	25	4	0	0	0	16.3	3	6.0	25	9	0	0	0
	Nag Hammadi	31.8	15	20.0	22, 23	22	6	0	0	0	15.1	3	6.5	27	11	0	0	0
	Kena	32.4	15	22.4	23	23	8	0	0	0	17.0	3, 7	7.1	24	8	0	0	0
	Luxor (A)	33.2	7	20.8	22	25	16	0	0	0	15.2	10	3.7	28	11	1	0	0
	Kom Ombo	34.0	8	21.0	23	26	18	0	0	0	17.3	6	4.5	27	10	1	0	0
	Aswan (A)	35.0	6	20.1	23	23	14	0	0	0	18.2	8	6.5	27	7	0	0	0
Western Desert	Siwa	31.2	11	18.8	22	20	3	0	0	0	14.4	3	3.0	24	16	5	0	0
	Bahariya	30.5	14	18.0	22	20	1	0	0	0	17.4	2	2.0	25	12	2	0	0
	Farafra	29.4	14, 17	17.1	22	20	0	0	0	0	15.1	2	2.2	26	18	2	0	0
	Dakhla	32.2	15	18.1	22	22	2	0	0	0	15.2	3	2.9	26	20	7	0	0
	Kharga	32.7	17	18.6	22	23	12	0	0	0	16.5	3, 10	4.0	26	13	1	0	0
Red Sea	Suez	31.8	16	18.2	24	19	2	0	0	0	19.4	9	6.6	26	6	0	0	0
	Abu Redes	30.2	18	20.6	22	15	1	0	0	0	22.3	9	9.0	23	3	0	0	0
	Tor	32.3	18	20.0	23	21	1	0	0	0	20.7	10	7.0	27	6	0	0	0
	Hurghada	28.3	7	19.9	22	20	0	0	0	0	18.9	4	10.5	25	0	0	0	0
	Quseir	28.5	18	20.7	23	21	0	0	0	0	21.7	1	14.1	23	0	0	0	0
	Abul Kizan	30.0	18	23.5	23	26	0	0		0	25.5	16	20.7	24	0	0	0	0

TABLE A 5. — RAINFALL AND SNOW DEPTH

NOVEMBER 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	<0.1	>0.1	>1.0	>5.0	>10	>25	≥50		
Mediterranean	Sallum	0.8	− 26.3	0.6	21	0	2	0	0	0	0	0	0	—
	Sidi Barrani	0.7	22.8	0.7	22	1	1	0	0	0	0	0	0	—
	Mersa Matruh (A)	9.1	− 11.8	5.6	21	2	2	2	1	0	0	0	0	—
	Dabaa	0.9	− 24.7	0.9	3	2	1	0	0	0	0	0	0	—
	Dekheila (A)	6.2	— 9.4	2.8	22	0	4	2	0	0	0	0	0	—
	Alexandria (A)	3.8	− 28.6	2.9	22	2	4	1	0	0	0	0	0	—
	Balteam	4.9	—	2.3	21	1	3	2	0	0	0	0	0	—
	Damietta	12.4	— 4.4	11.4	22	0	4	1	1	1	0	0	0	—
	Port Said (A)	21.2	+ 11.9	14.4	23	1	4	3	2	1	0	0	0	—
	El Arish	19.1	+ 4.0	15.8	22	0	5	3	1	1	0	0	0	—
	Ghazza	25.0	10.4	14.4	22	1	5	2	2	1	0	0	0	—
	Ras El Hikma	0.0		0.0	-	0	0	0	0	0	0	0	0	—
	Fuka	8.5	— 8.5	3.0	25	0	4	4	0	0	0	0	0	—
	Hammam	2.5	− 19.5	2.5	22	0	1	1	0	0	0	0	0	—
	Borg El Arab	4.0	− 25.0	2.5	22	0	2	1	0	0	0	0	0	—
	Amria	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mex	13.3	− 14.7	8.7	23	0	4	3	1	0	0	0	0	—
	Tolombat El Tabia	6.5	— 15.5	5.0	10	1	2	2	1	0	0	0	0	—
	Kom El Tarfaia	3.0	— 14.0	3.0	23	0	1	1	0	0	0	0	0	—
	Rosetta L.H.	3.9	— 20.1	2.7	22	0	2	2	0	0	0	0	0	—
	Borollos LH	11.9	— 20.1	6.6	22	0	3	3	1	0	0	0	0	—
	Dameitta L.H.	8.5	— 9.5	3.0	1	0	5	5	0	0	0	0	0	—
Lower Egypt	El Sirw	7.0	+ 2.0	5.0	22	0	3	3	1	0	0	0	0	—
	Sakha	Tr	— 9.0	Tr.	9,21,23	3	0	0	0	0	0	0	0	—
	Mansoura	0.9	− 4.6	0.6	21	0	3	0	0	0	0	0	0	—
	Damanhour	2.6	4.1	1.7	22	1	2	1	0	0	0	0	0	—
	Gimmeiza	—	—	—	—	—	—	—	—	—	—	—	0	—
	Tanta	6.6	— 4.5	0.4	23	1	2	0	0	0	0	0	0	—
	Tahrir	0.9	− 3.7	0.4	21	2	3	0	0	0	0	0	0	—
	Shebin El Kom	—	—	—	—	—	—	—	—	—	—	—	0	—
	Zagazig	1.8	3.5	1.0	9	0	2	1	0	0	0	0	0	—
	Abu Sueir (A)	3.1	—	2.4	21	2	3	1	0	0	0	0	0	—
	Zaher (A)	4.9	—	2.7	9	1	2	2	0	0	0	0	0	—
	Wadi El Natrun	Tr.	25.1	Tr.	21-23	2	0	0	0	0	0	0	0	—
	Inshas (A)	9.7	—	9.3	21	1	2	1	1	0	0	0	0	—
	Fayed (A)	3.1	—	2.5	9	1	1	1	0	0	0	0	0	—
	Kabrit (A)	1.6	—	1.6	21	1	1	1	0	0	0	0	0	—
	Tolombat El Boseili	3.2	− 18.8	3.2	22	0	1	1	0	0	0	0	0	—
	Kafr El Dawar	9.0	− 12.0	5.0	22	0	3	3	1	0	0	0	0	—
	Kafr El Sheikh	1.5	− 7.5	1.5	22	0	1	1	0	0	0	0	0	—
	Kafr El Zayat	0.3	− 9.7	0.3	23	1	1	0	0	0	0	0	0	—
	Faqus	1.2	− 7.8	1.2	21	2	1	1	0	0	0	0	0	—
	Cairo (A)	0.1	— 3.1	0.1	9	1	1	0	0	0	0	0	0	—
	Mostafa Helmi (A)	0.8	—	0.8	21	0	1	0	0	0	0	0	0	—
	Almaza (A)	1.1	− 0.7	0.8	9	2	2	0	0	0	0	0	0	—
	Abbasiya (H.Q)	3.7	—	3.5	9	3	2	1	0	0	0	0	0	—
	Imbaba (A)	1.0	—	1.0	4	0	1	1	0	0	0	0	0	—
	Giza	Tr.	− 3.2	Tr.	4-21	2	0	0	0	0	0	0	0	—
	Helwan	0.4	− 3.6	0.4	21	0	1	0	0	0	0	0	0	—

TABLE A 5. — (*Contd.*) RAINFALL AND SNOW DEPTH

NOVEMBER 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	<0.1	≥0.1	≥1.0	≥5.0	≥10	≥25	≥50		
Upper Egypt	Fayoum	Tr.	—1.0	Tr.	21	1	0	0	0	0	0	0	0	—
	Beni Suef	0.0	—0.2	0.0	—	0	0	0	0	0	0	0	0	—
	Seds	0.0	—0.7	0.0	—	0	0	0	0	0	0	0	0	—
	Minya (A)	0.0	—0.3	0.0	—	0	0	0	0	0	0	0	0	—
	Mallawi	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Mangabad (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Shandaweel	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Nag Hammadi	0.0	—0.2	0.0	—	0	0	0	0	0	0	0	0	—
	Kena	0.0	—2.2	0.0	—	0	0	0	0	0	0	0	0	—
	Luxor (A)	0.0	—0.1	0.0	—	0	0	0	0	0	0	0	0	—
	Kom Ombo	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Aswan (A)	0.0	—0.1	0.0	—	0	0	0	0	0	0	0	0	—
Western Desert	Siwa	0.0	—0.9	0.0	—	0	0	0	0	0	0	0	0	—
	Bahariya	0.0	—0.9	0.0	—	0	0	0	0	0	0	0	0	—
	Farafra	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Dakhla	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
	Kharga	0.0	—0.1	0.0	—	0	0	0	0	0	0	0	0	—
Red Sea	Suez	0.0	—4.3	0.0	—	0	0	0	0	0	0	0	0	—
	Abu Redes	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Tor	0.0	—2.0	0.0	—	0	0	0	0	0	0	0	0	—
	Hurghada	0.0	—1.6	0.0	—	0	0	0	0	0	0	0	0	—
	Quseir	0.0	—2.0	0.0	—	0	0	0	0	0	0	0	0	—
	Abul Kiza	0.0	—5.9	0.0	—	0	0	0	0	0	0	0	0	—

Table A 6.—BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT & BLACK BULB TEMPERATURES AND GRASS MINIMUM NOVEMBER 1961

District	Station	Duration of bright sunshine (hours)			Mean sky cover (oktas)								Mean daily evaporation Piche (millimetres)	Mean maximum temp. (°C) of		Mean grass minimum (°C)
		Total actual	Total possible	Percentage %	0000 U.T.		0600 U.T.		1200 U.T.		1800 U.T.			Black bulb thermometer	Bright bulb thermometer	
					Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal				
Mediterranean	Sallum	—	—	—	2.2	—	2.7	—	2.6	—	1.5	—	8.3	—	—	—
	Sidi Barrani	—	—	—	—	—	2.9	—	2.9	—	1.5	—	6.7	—	—	—
	Mersa Matruh (A)	256.2	317.2	80.8	1.5	—	2.9	—	2.8	—	1.9	—	6.6	—	—	—
	Dabaa	—	—	—	—	—	2.7	—	3.2	—	1.8	—	4.9	—	—	—
	Dekheila (A)	—	—	—	2.2	—	3.1	—	2.9	—	1.8	—	4.3	—	—	—
	Alexandria	260.0	318.0	81.8	2.4	—	3.5	—	3.8	—	2.9	—	4.1	—	—	—
	Balteam (A)	—	—	—	—	—	2.8	—	4.1	—	1.8	—	3.5	—	—	—
	Damietta	—	—	—	—	—	2.3	—	3.3	—	1.0	—	2.5	—	—	—
	Port Said (A)	260.2	318.0	81.8	1.4	—	2.7	—	2.6	—	1.7	—	4.9	—	—	—
	El Arish	—	—	—	2.2	—	2.5	—	2.8	—	2.5	—	4.1	—	—	11.9
	Ghazza	256.9	317.2	81.0	1.7	—	2.6	—	2.5	—	1.8	—	5.3	—	—	12.5
Lower Egypt	El Sirw	—	—	—	—	—	2.2	—	2.9	—	0.7	—	2.7	—	—	—
	Sakha	—	—	—	—	—	2.6	—	2.7	—	0.6	—	3.0	—	—	11.7
	Mansoura	—	—	—	—	—	2.2	—	3.1	—	—	—	3.5	—	—	—
	Damanhour	—	—	—	—	—	1.9	—	3.1	—	1.5	—	1.7	—	—	—
	Gimmeiza	(216.9)	(297.5)	(72.9)	—	—	1.6	—	3.7	—	0.2	—	3.2	—	—	—
	Tanta	248.2	318.8	77.8	—	—	2.9	—	3.0	—	0.3	—	3.0	56	35	—
	Tahrir	253.4	318.8	79.4	—	—	3.1	—	3.5	—	0.7	—	4.3	—	—	11.2
	Shebin El Kom	—	—	—	—	—	3.0	—	3.5	—	0.9	—	1.4	—	—	—
	Zagazig	—	—	—	—	—	1.7	—	3.8	—	0.5	—	2.7	—	—	—
	Abu Sueir (A)	—	—	—	1.6	—	2.7	—	3.8	—	1.2	—	6.4	63	—	10.7
	Zaher (A)	—	—	—	—	—	2.5	—	3.4	—	0.6	—	5.1	—	—	—
	Wadi El Natrun	—	—	—	—	—	3.7	—	2.8	—	0.6	—	4.0	—	—	—
	Inshas	—	—	—	1.1	—	2.6	—	2.6	—	0.5	—	5.4	—	—	—
	Fayed (A)	—	—	—	—	—	2.5	—	3.0	—	0.7	—	7.6	—	—	—
	Kabrit (A)	—	—	—	—	—	2.5	—	2.7	—	0.7	—	7.1	—	—	—
Cairo Area	Cairo (A)	—	—	—	1.2	—	2.5	—	3.7	—	0.9	—	7.7	—	—	—
	Mostafa Helmi (A)	—	—	—	1.2	—	2.6	—	3.2	—	0.8	—	6.1	—	—	—
	Almaza (A)	267.9	315.8	83.8	1.4	—	2.7	—	3.3	—	0.8	—	6.0	—	—	—
	Abbasiya (H.Q.)	255.9	319.8	80.0	1.4	—	3.2	—	3.2	—	0.9	—	3.6	62	37	—
	Imbaba (A)	—	—	—	—	—	2.7	—	2.9	—	—	—	4.3	—	—	—
	Giza	255.5	319.8	79.9	—	—	3.3	—	2.7	—	0.9	—	4.1	—	—	8.6
	Helwan	295.5	319.9	92.4	0.7	—	1.7	—	2.6	—	1.0	—	9.5	—	—	—
Upper Egypt	Fayoum	—	—	—	—	—	1.4	—	2.2	—	0.6	—	4.8	—	—	—
	Beni Suef	—	—	—	—	—	1.4	—	1.5	—	0.3	—	3.5	—	—	9.5
	Seds	—	—	—	—	—	0.9	—	1.0	—	0.3	—	3.3	—	—	—
	Minya (A)	—	—	—	0.1	—	1.2	—	1.1	—	0.1	—	4.8	57	35	8.6
	Mallawi	—	—	—	—	—	1.1	—	0.2	—	0.0	—	1.5	—	—	7.8
	Mangabad (A)	—	—	—	0.0	—	1.0	—	0.4	—	0.0	—	7.6	—	38	10.2
	Shandaweel	(255.6)	(275.6)	(92.8)	—	—	1.2	—	1.1	—	0.6	—	3.2	—	—	2.5
	Nag Hammadi	—	—	—	—	—	0.1	—	0.0	—	0.0	—	3.9	—	—	11.0
	Kena	—	—	—	—	—	0.2	—	0.2	—	0.0	—	4.8	—	—	11.6
	Luxor (A)	—	—	—	0.0	—	0.5	—	0.3	—	0.1	—	5.9	59	39	7.2
	Kom Ombo	—	—	—	—	—	0.2	—	0.2	—	0.2	—	7.0	—	—	8.8
	Aswan (A)	—	—	—	0.0	—	0.6	—	0.4	—	0.0	—	12.6	—	—	—
Western Desert	Siwa	—	—	—	0.6	—	0.9	—	1.4	—	0.5	—	5.5	67	39	6.8
	Bahariya	—	—	—	0.5	—	1.0	—	1.6	—	1.0	—	4.8	—	—	—
	Farafra	—	—	—	0.3	—	0.4	—	0.6	—	0.2	—	8.4	—	—	—
	Dakhla	—	—	—	0.1	—	0.5	—	0.3	—	0.0	—	9.0	—	39	2.6
	Kharga	—	—	—	0.0	—	0.2	—	0.0	—	0.0	—	6.8	—	—	7.7
Red Sea	Suez	—	—	—	—	—	1.4	—	2.0	—	0.6	—	7.0	—	—	—
	Abu Redes	—	—	—	—	—	0.8	—	1.4	—	0.6	—	7.5	—	—	—
	Tor	—	—	—	0.5	—	1.1	—	1.2	—	0.9	—	6.4	—	—	—
	Hurghada	—	—	—	0.5	—	0.9	—	0.6	—	0.5	—	12.6	—	—	—
	Quseir	—	—	—	0.1	—	0.8	—	1.0	—	0.4	—	14.4	—	—	—
	Abul Kizan	—	—	—	—	—	2.8	—	2.2	—	2.4	—	5.5	—	—	—

Note : Acuital number of sunshine records was 28 days at Gimmeiza & 26 days at Shandaweel.

Table A 7.—SOIL TEMPERATURE (°C) AT SELECTED DEPTHS AT FIXED HOURS
NOVEMBER 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
MEDITERRANEAN	Mersa Matruh (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	22.4	24.3	5	20.0	29	22.1	24.0	3	19.4	29	21.9	24.1	2	19.7	28, 29	22.1	24.2	3	19.5	29
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	22.3	23.6	5	19.2	30	22.3	23.6	1,5	19.2	25	22.2	23.6	1	19.2	25	22.2	23.5	1.4.5	19.2	25
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LOWER EGYPT	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	21.9	24.4	1,2	19.5	*	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	22.5	24.8	1,2	20.8	29, 30	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	20.1	22.0	*	17.0	25	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	23.6	25.2	1	21.5	*	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	15.9	19.8	21	10.7	25	20.1	23.0	9	15.0	25	19.0	21.8	8	14.5	23, 25
		10	—	—	—	—	—	18.8	21.3	16	14.3	26	21.0	23.5	9	16.3	25	21.2	23.5	8	16.8	25
		20	—	—	—	—	—	19.1	21.0	9	15.3	26	19.3	21.3	9	15.5	26	20.0	22.0	16	16.0	25
		50	—	—	—	—	—	22.9	24.1	2	20.4	27,28	22.8	24.0	2	20.2	27	22.7	23.9	2	20.0	26
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7. (Contd)—**SOIL TEMPERATURE (°C) AT SELECTED DEPTHS AT FIXED HOURS**
NOVEMBER 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
Lower Egypt (Contd.)	Tahrir	5	—	—	—	—	—	15.7	19.8	16	8.8	25	27.4	31.3	9	18.7	25	19.9	23.6	8	13.1	23
		10	—	—	—	—	—	16.3	20.0	16	10.0	25	24.8	28.6	9	16.8	25	21.3	24.5	8	15.1	25
		20	—	—	—	—	—	18.9	21.8	9	13.7	25	21.3	24.3	9	15.4	25	22.4	25.2	9	16.7	25
		50	—	—	—	—	—	22.2	24.0	10	18.4	26	21.9	23.7	2, 4	18.0	26	22.0	23.9	1, 9	18.2	26
		100	—	—	—	—	—	23.8	25.0	1	21.2	30	—	—	—	—	—	23.7	25.0	1	21.3	29,30
		200	—	—	—	—	—	25.6	26.4	1,2,3	24.4	30	—	—	—	—	—	25.5	26.4	1, 2	24.3	30
	Delta Barrage.	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	23.1	24.5	1,3,10	20.1	30	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	24.1	25.5	1	19.8	28	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	24.8	26.0	1.14	19.1	28	—	—	—	—	—	—	—	—	—	—
Cairo Area	Giza	5	—	—	—	—	—	17.6	22.7	9	11.1	26	28.0	31.5	3	21.7	25	22.1	25.5	8	16.6	24
		10	—	—	—	—	—	20.1	23.8	9	15.0	26	24.0	26.7	9	19.3	25	23.8	26.4	1,3,4	19.2	25
		20	—	—	—	—	—	23.2	25.2	1.2	19.4	26	23.2	25.3	2	19.4	26	23.9	26.0	3	20.2	26
		50	—	—	—	—	—	25.2	26.8	1	22.5	28.29.30	25.1	26.7	1, 2	22.4	28.29.30	25.1	26.6	1	22.3	30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Upper Egypt	Seds	5	—	—	—	—	—	—	—	—												
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	23.3	24.5	1	21.4	29, 30	23.3	24.5	1,2,5	21.4	29, 30	23.0	24.5	1	21.4	29,30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya . . (A)	5	19.8	24.2	3	14.0	26	17.9	23.0	3	12.5	26	23.9	29.0	2	18.7	30	21.7	26.0	2	16.7	26
		10	22.3	25.0	2.4.5	17.3	25	20.9	24.5	3	16.0	26	23.2	26.3	3	18.5	30	23.2	26.5	1	17.0	28
		20	22.9	26.0	1	18.2	28	22.4	25.5	4	18.0	25	22.7	25.5	3	18.2	30	22.9	25.5	1	17.0	28
		50	24.1	26.4	2	20.6	28.30	24.1	26.5	1	20.5	28	23.9	26.3	3	20.0	27	24.0	26.2	1, 3	20.5	26.28.30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7. (*contd.*)—**SOIL TEMPERATURE (°C) AT SELECTED DEPHTS AT FIXED HOURS**

NOVEMBER 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
Upper Egypt (*contd.*)	Mallawi	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	19.2	21.2	*	17.5	28.29.30	19.2	21.2	*	17.5	28.29.30	19.2	21.2	*	17.5	28.29.30
		100	—	—	—	—	—	21.1	22.2	1	19.6	30	21.1	22.2	1	19.6	30	21.1	22.2	1	19.6	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	22.5	24.5	2, 3	19.5	28, 29	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	23.8	25.2	1, 2	20.0	30	—	—	—	—	—
		00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo	5	—	—	—	—	—	19.8	24.6	7	13.5	28	39.0	47.2	8	31.7	28	23.2	27.5	6	18.0	27
		10	—	—	—	—	—	21.5	24.4	6, 7	17.0	28	31.2	41.0	7	22.0	28	25.0	28.5	13·14	21.7	27
		20	—	—	—	—	—	24.9	27.0	14	21.5	28	23.9	32.5	6, 7	22.0	28	25.6	28.7	12	22.5	28
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 8—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

NOVEMBER 1961

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres.	Fog vis. < 1000 metres.	Haze vis. ≥ 1000 metres	Thick haze vis < 1000 metres.	Dust rising/Sand rising vis ≥ 1000 metres.	Duststorm/Sandstorm vis < 1000 metres.	Drifting Snow: Slight/moderate vis. below eye level ≥ 1000 metres	Drifting Snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing Snow: Slight/moderate vis. below eye level ≥ 1000 metres	Blowing Snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear Sky	Cloudy Sky
Mediterranean	Sallum	2	0	0	0	—	0	2	2	0	0	1	0	0	0	0	0	0	17	0
	Sidi Barrani	1	0	0	0	—	0	0	1	0	0	0	0	0	0	0	0	0	—	—
	Mersa Matruh (A)	2	0	0	0	—	0	1	1	0	0	1	0	0	0	0	0	0	17	1
	Dabaa	1	0	0	0	—	0	0	0	0	0	1	0	0	0	0	0	1	—	—
	Dekheila (A)	4	0	0	0	—	0	6	5	1	0	0	0	0	0	0	0	0	11	1
	Alexandria (A)	4	0	0	0	—	0	7	10	0	0	0	0	0	0	0	0	0	9	2
	Balteam	3	0	0	0	—	0	1	0	0	0	0	0	0	0	0	0	0	—	—
	Damietta	4	0	0	0	—	0	1	1	0	0	0	0	0	0	0	0	0	—	—
	Port Said (A)	4	0	0	0	—	1	3	0	0	0	0	0	0	0	0	0	0	15	0
	El Arish	5	0	0	0	—	0	3	0	1	0	1	0	0	0	0	0	0	13	2
	Ghazza	5	0	0	1	—	0	1	2	0	0	0	0	0	0	0	0	0	15	1
Lower Egypt	El Sirw	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	3	0	0	0	—	0	5	4	0	0	0	0	0	0	0	0	0	—	—
	Damanhour	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	2	0	0	0	—	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	3	0	0	0	—	0	17	6	0	0	0	1	0	0	0	0	0	—	—
	Shebin El Kom	×	0	0	0	—	0	9	5	0	0	0	0	0	0	0	0	0	—	—
	Zagazig	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	3	0	0	0	—	0	16	5	0	0	2	2	0	0	0	0	0	11	—
	Zaher (A)	2	0	0	0	—	1	16	4	0	0	2	0	0	0	0	0	0	—	—
	Wadi El Natrun	0	0	0	0	—	0	0	5	0	0	1	1	0	0	0	0	0	—	—
	Inshas (A)	2	0	0	0	—	1	12	8	0	0	3	0	0	0	0	0	0	19	0
	Fayed (A)	2	0	0	0	—	0	0	1	0	0	0	1	0	0	0	0	1	—	—
	Kabrit (A)	1	0	0	0	—	0	2	1	0	0	0	1	0	0	0	0	0	—	—
Cairo Area	Cairo (A)	1	0	0	0	—	0	11	7	6	0	2	0	0	0	0	0	0	13	0
	Mostafa Helmi (A)	1	0	0	0	—	0	20	7	0	0	1	0	0	0	0	0	0	15	0
	Almaza (A)	2	0	0	0	—	0	12	5	10	0	1	0	0	0	0	0	0	16	0
	Abbasiya (H.Q.)	2	0	0	0	—	0	11	5	1	0	0	0	0	0	0	0	0	14	1
	Imbaba (A)	1	0	0	0	—	0	6	3	0	0	1	0	0	0	0	0	0	—	0
	Giza	0	0	0	0	—	0	10	6	0	0	0	0	0	0	0	0	0	—	0
	Helwan	1	0	0	0	—	0	0	0	0	0	0	0	0	0	0	0	0	20	0

Table A 8 *(contd.)*—**FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.**

NOVEMBER 1961

District	Station	Precipitation				Frost	Thunderstorm	Mist vis. ≥ 1000 metres.	Fog vis. < 1000 metre.	Haze vis. ≥ 1000 metres	Thick haze vis. < 1000 metres.	Dust rising/Sand rising vis ≥ 1000 metres.	Duststorm/Sandstorm vis < 1000 metres.	Drifting Snow		Blowing Snow		Gales	Clear Sky	Cloudy Sky
		Rain	Snow	Ice pellets	Hail									Slight/moderate vis. below eye level ≥ 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)	Slight/moderate vis. below eye level ≥ 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)			
Upper Egypt	Fayoum	0	0	0	0	—	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Beni Suef	0	0	0	0	—	0	0	1	0	0	1	0	0	0	0	0	0	—	—
	Seds	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	0	0	0	0	—	0	1	0	3	0	1	1	0	0	0	0	0	29	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad)(A)	0	0	0	0	—	0	3	0	2	0	0	0	0	0	0	0	0	29	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor (A)	0	0	0	0	—	0	0	0	0	0	0	0	0	0	0	0	0	29	0
	Kom Ombo	0	0	0	0	—	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Aswan (A)	0	0	0	0	—	0	0	0	0	0	0	0	0	0	0	0	0	30	0
Western Desert	Siwa	0	0	0	0	—	0	0	0	0	0	1	0	0	0	0	0	0	25	0
	Bahariya	0	0	0	0	—	0	1	1	0	0	1	0	0	0	0	0	0	24	0
	Farafra	0	0	0	0	—	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	—	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	Kharga	0	0	0	0	—	0	0	0	0	0	1	0	0	0	0	0	0	30	0
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	0	0	0	0	—	0	0	0	0	0	0	1	0	0	0	0	0	—	—
	Tor	0	0	0	0	—	0	0	0	0	0	1	0	0	0	0	0	0	26	0
	Hurghada	0	0	0	0	—	0	0	0	0	0	0	0	0	0	0	0	0	27	0
	Quseir	0	0	0	0	—	0	0	0	3	0	4	1	0	0	0	0	0	27	0
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE A 9.— NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

NOVEMBER 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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	39	0	0	1—10	87	34	28	24	17	45	72	135	40	4	10	60	556
					11—27	23	23	0	0	0	0	19	32	18	1	0	9	125
					28—47	0	0	0	0	0	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**	**57**	**28**	**24**	**17**	**45**	**91**	**167**	**58**	**5**	**10**	**69**	**681**
	Mersa Matruh . . (A)	3	0	19	1—10	49	22	21	27	32	42	47	36	36	30	14	25	381
					11—27	68	7	6	7	5	24	41	67	20	6	11	49	311
					28—47	4	1	0	0	0	0	0	0	0	0	0	1	6
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**121**	**30**	**27**	**34**	**37**	**66**	**88**	**103**	**56**	**36**	**25**	**75**	**698**
	Dekheila . . . (A)	29	4	0	1—10	166	51	71	55	37	21	28	23	17	17	26	84	596
					11—27	29	12	0	0	0	0	0	1	3	1	1	44	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	**195**	**63**	**71**	**55**	**37**	**21**	**28**	**24**	**20**	**18**	**27**	**128**	**687**
	Alexandria . . . (A)	68	1	0	1—10	133	132	70	42	40	11	5	29	20	10	25	68	585
					11—27	32	7	1	0	0	0	0	0	2	4	0	20	66
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**165**	**139**	**71**	**42**	**40**	**11**	**5**	**29**	**22**	**14**	**25**	**88**	**651**
	Port Said . . . (A)	4	0	16	1—10	37	82	106	46	14	21	8	16	40	21	27	47	465
					11—27	18	28	86	38	4	1	0	0	1	16	11	31	234
					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	**55**	**110**	**192**	**84**	**18**	**22**	**8**	**16**	**41**	**37**	**38**	**79**	**700**
	El Arish	17	6	11	1—10	65	74	30	23	38	156	58	45	39	9	40	70	647
					11—27	1	1	0	0	0	0	0	0	0	4	18	15	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	**66**	**75**	**30**	**23**	**38**	**156**	**58**	**45**	**39**	**13**	**58**	**85**	**686**
Lower Egypt	Tanta	48	0	0	1—10	49	122	53	7	0	3	18	52	54	86	96	115	655
					11—27	0	1	4	0	0	0	0	0	0	0	7	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	**49**	**123**	**57**	**7**	**0**	**3**	**18**	**52**	**54**	**86**	**103**	**120**	**672**
	Abu Sueir . . . (A)	114	1	53	1—10	59	62	64	27	14	4	7	29	76	38	24	30	434
					11—27	29	29	21	11	2	0	0	14	4	3	9	14	118
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All suecs	**70**	**91**	**85**	**38**	**16**	**4**	**7**	**43**	**80**	**41**	**33**	**44**	**552**
	Zaher . . . . . (A)	94	7	0	1—10	85	93	57	14	10	9	26	31	74	43	38	73	553
					11—27	8	17	12	1	0	0	6	0	11	1	2	8	66
					28—47	0	0	0	0	0	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**	**110**	**69**	**15**	**10**	**9**	**32**	**31**	**85**	**44**	**40**	**81**	**619**

TABLE A 9. (*contd.*)— NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

NOVEMBER 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	Wind speed in knots	Number in hours of occurrences of wind blowsng 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
Cairo Area	Cairo . . . . . (A)	137	0	65	1—10	43	84	90	27	4	5	11	7	13	5	26	53	368
					11—27	5	41	37	0	0	14	8	5	7	1	5	27	150
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**48**	**125**	**127**	**27**	**4**	**19**	**19**	**12**	**20**	**6**	**31**	**80**	**518**
	Mostafa Helmi . (A)	6	0	25	1—10	72	101	18	2	0	0	9	23	16	30	48	75	394
					11—27	51	121	74	4	0	0	0	2	4	6	3	30	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	**123**	**222**	**92**	**6**	**0**	**0**	**9**	**25**	**20**	**36**	**51**	**105**	**689**
	Almaza . . . . (A)	6	3	0	1—10	68	93	207	37	34	33	17	31	26	17	19	43	625
					11—27	5	4	46	13	3	0	4	4	2	3	1	1	86
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**73**	**97**	**253**	**50**	**37**	**33**	**21**	**35**	**28**	**20**	**20**	**44**	**711**
	Abbasiya . . . (H.Q.)	217	1	0	1—10	103	127	27	1	0	7	31	27	9	19	43	99	493
					11—27	0	3	5	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
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**103**	**130**	**32**	**1**	**0**	**7**	**31**	**27**	**9**	**19**	**43**	**100**	**502**
	Giza	85	6	1	1—10	167	127	39	1	0	30	30	2	4	10	31	160	601
					11—27	8	4	12	0	0	0	0	0	0	0	1	2	27
					88—47	0	0	0	0	0	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**	**131**	**51**	**1**	**0**	**30**	**30**	**2**	**4**	**10**	**32**	**162**	**628**
Upper Egypt	Minya . . . . . (A)	30	9	0	1—10	297	73	10	0	4	26	21	12	13	12	2	70	522
					11—27	46	99	3	0	0	0	0	0	1	0	3	7	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	**325**	**172**	**13**	**0**	**4**	**26**	**21**	**12**	14	**12**	**5**	**77**	**681**
	Luxor . . . . . (A)	76	0	0	1—10	75	112	45	30	16	39	54	75	40	24	39	89	638
					11—27	2	0	0	1	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	**77**	**112**	**45**	**31**	**16**	**39**	**54**	**75**	**40**	**24**	**39**	**92**	**644**
Western Desert	Siwa	265	1	1	1—10	24	28	26	32	44	53	32	25	28	40	38	25	395
					11—27	4	13	5	7	8	2	3	6	2	4	4	0	58
					28—47	0	0	0	0	0	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**	**41**	**31**	**39**	**52**	**55**	**35**	**31**	**30**	**44**	**42**	**25**	**453**
	Dakhla	24	10	200	1—10	41	27	10	4	2	0	7	10	29	34	104	111	379
					11—27	42	8	1	1	0	0	0	0	0	1	1	53	107
					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	**83**	**35**	11	**5**	**2**	**0**	**7**	**10**	**29**	**35**	**105**	**164**	**486**
Red Sea	Hurghada	3	1	0	1—10	90	32	7	7	4	0	4	4	6	15	157	115	441
					11—27	62	3	2	0	0	0	0	0	0	4	99	105	275
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**152**	**35**	9	**7**	**4**	**0**	**4**	**4**	**6**	**19**	**256**	**220**	**716**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SALLUM — NOVEMBER 1961

Hour (U.T.)	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	2	0	1	0	1	0	1	0	1	0	2	2	10
				11—27	1	0	0	0	0	0	1	1	2	4	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	3	0	1	0	1	0	2	1	3	4	4	2	21
0300	8	0	0	1—10	2	0	1	0	0	0	0	1	1	3	1	3	12
				11—27	0	1	0	0	0	0	1	0	1	3	3	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	1	0	0	0	1	1	2	6	4	4	22
0600	8	0	0	1—10	1	0	0	0	0	0	1	0	2	1	2	3	10
				11—27	2	0	0	0	0	0	2	0	2	5	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	3	0	0	0	0	0	3	0	4	6	3	3	22
0900	6	0	0	1—10	3	2	0	2	0	0	1	2	0	2	3	0	15
				11—27	1	0	0	0	0	0	1	1	5	1	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	0	2	0	0	2	3	5	3	3	0	24
1200	6	0	0	1—10	2	3	2	2	0	0	0	2	2	2	0	0	15
				11—27	2	1	0	0	0	0	1	3	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	4	4	2	2	0	0	1	5	4	2	0	0	24
1500	6	0	0	1—10	3	7	1	1	0	0	1	1	2	2	1	1	20
				11—27	1	0	1	0	0	0	0	0	1	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	4	7	2	1	0	0	1	1	3	3	1	1	24
1800	13	0	0	1—10	2	2	0	2	0	0	1	1	0	0	1	3	12
				11—27	0	1	0	0	0	0	0	0	1	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	2	3	0	2	0	0	1	1	1	1	3	3	17
2100	13	0	0	1—10	1	1	0	1	0	0	0	0	1	0	2	3	9
				11—27	2	0	1	0	0	0	1	1	1	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	1	1	1	0	0	1	1	2	2	2	3	17

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MERSA MATRUH (A) — NOVEMBER 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrenses 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	0	0	0	1	3	3	2	2	5	0	0	18
				11—27	1	0	0	0	0	1	2	4	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	**3**	**0**	**0**	**0**	**1**	**4**	**5**	**6**	**2**	**5**	**0**	**3**	**29**
0300	1	0	0	1—10	1	0	1	0	1	1	4	2	2	2	0	0	14
				11—27	2	0	0	0	0	1	2	5	2	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	**3**	**0**	**1**	**0**	**1**	**2**	**6**	**7**	**4**	**3**	**1**	**1**	**29**
0600	0	0	0	1—10	2	0	0	0	1	1	4	3	3	0	1	0	15
				11—27	3	0	0	0	0	1	1	7	1	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	**5**	**0**	**0**	**0**	**1**	**2**	**5**	**10**	**4**	**1**	**1**	**1**	**30**
0900	0	0	0	1—10	0	0	2	2	2	2	2	2	0	0	1	4	17
				11—27	5	0	0	0	0	0	1	3	2	1	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	**5**	**0**	**2**	**2**	**2**	**2**	**3**	**5**	**2**	**1**	**1**	**5**	**30**
1200	0	0	0	1—10	3	3	2	2	0	1	1	1	0	1	0	1	15
				11—27	4	1	1	0	0	0	0	1	2	0	0	5	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	**8**	**4**	**3**	**2**	**0**	**1**	**1**	**2**	**2**	**1**	**0**	**6**	**30**
1500	0	0	0	1—10	4	1	5	1	0	0	0	3	0	0	0	2	16
				11—27	5	0	0	5	0	0	0	0	1	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	**9**	**1**	**5**	**6**	**0**	**0**	**0**	**3**	**1**	**0**	**1**	**4**	**30**
1800	2	0	0	1—10	1	1	1	2	2	3	3	1	0	2	0	4	20
				11—27	0	0	0	0	1	1	0	3	0	0	0	2	7
				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	**2**	**1**	**1**	**2**	**3**	**4**	**3**	**4**	**0**	**2**	**0**	**6**	**28**
2100	0	0	0	1—10	1	0	1	0	2	2	6	1	1	4	0	1	19
				11—27	1	1	0	0	1	2	2	1	0	0	0	2	10
				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	**2**	**1**	**1**	**0**	**3**	**4**	**8**	**2**	**1**	**4**	**0**	**4**	**30**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DEKHEILA (A) — NOVEMBER 1961

Hour (U.T.)	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	8	0	3	3	3	1	1	2	0	1	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	9	0	3	3	3	1	1	2	0	1	0	3	26
0300	5	0	0	1—10	5	0	2	3	2	3	3	1	1	0	1	2	23
				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	2	3	2	3	3	1	1	0	1	3	25
0600	3	0	0	1—10	3	0	1	5	3	2	5	1	0	0	2	3	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	4	0	1	5	3	2	5	1	0	0	2	4	27
0900	0	0	0	1—10	7	2	1	4	2	2	0	1	3	1	1	4	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	2	1	4	2	2	0	1	3	1	1	5	30
1200	0	0	0	1—10	13	1	2	1	0	0	0	0	2	1	1	4	25
				11—27	2	0	0	0	0	0	0	0	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	15	1	2	1	0	0	0	0	3	1	1	6	30
1500	1	0	0	1—10	9	2	1	0	0	0	0	0	1	1	1	3	18
				11—27	6	3	0	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	15	5	1	0	0	0	0	0	1	1	1	5	29
1800	1	0	0	1—10	4	9	4	1	0	0	1	0	1	0	1	4	25
				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	10	4	1	0	0	1	0	1	0	1	6	29
2100	2	0	0	1—10	9	0	8	3	2	0	0	2	0	1	0	1	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	9	0	8	3	2	0	0	2	0	1	0	3	28

TABLE A 10.— NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSBRVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALEXANDRIA A) — NOVEMBER 1961

Hour (U.T.)	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	6	4	0	1	2	0	1	0	2	0	0	1	17
				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	7	4	0	1	2	0	1	0	2	0	0	2	19
0300	14	0	0	1—10	2	2	0	1	3	0	0	1	1	0	2	3	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	3	2	0	1	3	0	0	1	1	0	2	3	16
0600	9	0	0	1—10	0	2	1	3	0	1	1	2	2	0	2	4	18
				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	2	1	3	0	1	1	2	2	0	3	5	21
0900	0	0	0	1—10	5	3	1	6	2	1	0	1	2	1	1	3	26
				11—27	3	0	0	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	8	3	1	6	2	1	0	1	3	1	1	3	30
1200	0	0	0	1—10	8	5	2	1	0	0	1	0	0	1	2	4	24
				11—27	4	0	1	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	12	5	3	1	0	0	1	0	0	2	2	4	30
1500	0	0	0	1—10	11	7	3	0	0	0	0	0	0	2	2	3	28
				11—27	0	1	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	8	3	0	0	0	0	0	0	2	2	4	30
1800	1	0	0	1—10	8	13	1	1	0	0	0	0	0	2	0	3	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	13	1	1	0	0	0	0	0	2	0	3	29
2100	4	0	0	1—10	7	6	2	2	2	0	0	2	0	0	1	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	8	6	2	2	2	0	0	2	0	0	1	3	26

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

PORT SAID (A)—NOVEMBER 1961

Hour (U.T.)	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	1	0	0	1—10	1	1	7	2	0	1	0	1	2	0	1	3	19
				11—27	0	0	2	5	0	0	0	0	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	**1**	**1**	**9**	**7**	**0**	**1**	**0**	**1**	**2**	**1**	**1**	**5**	**29**
0300	0	0	0	1—10	0	4	2	4	1	0	0	0	3	2	3	2	21
				11—27	0	0	1	5	0	0	0	0	0	1	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	**0**	**4**	**3**	**9**	**1**	**0**	**0**	**0**	**3**	**3**	**3**	**4**	**30**
0600	2	0	0	1—10	0	4	1	3	0	4	1	1	1	3	1	2	21
				11—27	1	0	2	1	0	0	0	0	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	**1**	**4**	**3**	**4**	**0**	**4**	**1**	**1**	**4**	**3**	**1**	**2**	**28**
0900	0	0	0	1—10	2	2	4	1	2	1	0	2	3	0	3	1	21
				11—27	2	2	1	1	1	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	**4**	**4**	**5**	**2**	**3**	**1**	**0**	**2**	**3**	**1**	**3**	**2**	**30**
1200	0	0	0	1—10	5	5	3	5	0	0	0	0	0	2	1	2	23
				11—27	2	1	3	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	**7**	**6**	**6**	**5**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**3**	**30**
1500	0	0	0	1—10	3	7	6	0	0	0	0	0	0	1	0	1	18
				11—27	0	3	4	0	0	0	0	0	0	0	1	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	**3**	**10**	**10**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**5**	**30**
1800	2	0	0	1—10	1	4	6	0	0	0	0	0	1	0	1	2	15
				≥—27	0	3	4	3	0	0	0	0	0	1	0	2	13
				11—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				2848	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**1**	**7**	**10**	**3**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**4**	**28**
2100	0	0	0	1—10	0	4	2	4	1	0	0	1	1	0	0	4	17
				11—27	1	1	6	3	0	0	0	0	0	0	1	0	12
				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	**1**	**5**	**8**	**7**	**1**	**0**	**0**	**1**	**1**	**0**	**1**	**5**	**30**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

EL ARISH—NOVEMBER 1961

Hour (U.T.)	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
				1—10	0	1	1	1	1	11	4	3	3	0	0	1	26
				11—27	0	0	0	0	0	0	0	0	0	0	1	0	1
0000	**3**	0	0	28—47	0	0	0	0	0	0	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**	**1**	**1**	**11**	**4**	**3**	**3**	**0**	**1**	**1**	**27**
				1—10	1	0	0	0	3	14	3	2	4	0	0	1	28
				11—27	0	0	0	0	0	0	0	0	0	0	1	0	1
0300	1	0	0	28—47	0	0	0	0	0	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**	**14**	**3**	**2**	**4**	**0**	**1**	**1**	**29**
				1—10	1	0	0	0	2	13	5	1	4	0	0	1	27
				11—27	0	0	0	0	0	0	0	0	0	0	1	0	1
0600	2	0	0	28—47	0	0	0	0	0	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**	**13**	**5**	**1**	**4**	**0**	**1**	**1**	**28**
				1—10	2	4	1	4	3	3	1	1	2	3	1	2	27
				11—27	0	0	0	0	0	0	0	1	1	0	1	0	3
0900	0	0	0	28—47	0	0	0	0	0	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**	**4**	**3**	**3**	**1**	**2**	**3**	**3**	**2**	**2**	**30**
				1—10	6	7	1	0	0	0	0	0	0	1	5	6	26
				11—27	0	0	0	0	0	0	0	0	0	0	2	1	3
1200	1	0	0	28—47	0	0	0	0	0	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**	**0**	**0**	**0**	**0**	**0**	**1**	**7**	**7**	**29**
				1—10	8	6	2	0	0	0	0	0	0	1	3	7	27
				11—27	0	0	0	0	0	0	0	0	0	0	0	1	1
1500	2	0	0	28—47	0	0	0	0	0	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**	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**8**	**28**
				1—10	3	10	3	1	0	0	0	1	2	0	1	4	25
				11—27	0	0	0	0	0	0	0	0	0	0	1	0	1
1800	4	0	0	28—47	0	0	0	0	0	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**	**3**	**1**	**0**	**0**	**0**	**1**	**2**	**0**	**2**	**4**	**26**
				1—10	1	2	0	1	4	8	7	4	0	0	0	0	27
				11—27	0	0	0	0	0	0	0	0	0	1	0	0	1
2100	2	0	0	28—47	0	0	0	0	0	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**	**4**	**8**	**7**	**4**	**0**	**1**	**0**	**0**	**28**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

GHAZZA NOVEMBER 1961

Hour (U.T.)	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	0	0	0	1—10	0	0	0	5	9	12	2	0	0	0	0	0	28
				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**	**5**	**9**	**12**	**2**	**0**	**0**	**1**	**1**	**0**	**30**
0300	0	0	0	1—10	0	0	0	2	10	15	2	0	0	0	0	0	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**	**2**	**10**	**15**	**2**	**0**	**0**	**0**	**1**	**0**	**30**
0600	1	0	0	1—10	0	0	0	1	2	18	6	1	0	0	0	0	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	**0**	**0**	**0**	**1**	**2**	**18**	**6**	**1**	**0**	**1**	**0**	**0**	**29**
0900	0	0	0	1—10	2	0	1	0	0	0	1	2	3	7	2	9	27
				11—27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**2**	**0**	**1**	**0**	**0**	**0**	**1**	**2**	**5**	**7**	**3**	**9**	**30**
1200	0	0	0	1—10	9	0	0	0	0	0	0	0	0	5	2	11	27
				11—27	0	0	0	0	0	0	0	1	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	**9**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**5**	**2**	**13**	**30**
1500	0	0	0	1—10	11	2	3	0	0	0	0	0	0	1	3	6	26
				11—27	1	0	0	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	0
				All speeds	**12**	**2**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**7**	**30**
1800	0	0	0	1—10	2	0	3	12	4	1	1	0	0	1	2	0	26
				11—27	2	0	0	0	0	0	0	0	0	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	**4**	**0**	**3**	**12**	**4**	**1**	**1**	**0**	**0**	**1**	**4**	**0**	**30**
2100	0	0	0	1—10	1	0	1	6	8	9	1	0	0	0	0	0	26
				11—27	1	1	0	0	0	0	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	2	**1**	**1**	**6**	**8**	**9**	**1**	**0**	**0**	**2**	**0**	**0**	**30**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ABU SUEIR (A)—NOVEMBER 1961

Hour (U.T.)	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	0	0	0	0	4	6	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**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**4**	**6**	**1**	**0**	**14**
0300	16	0	0	1—10	0	0	1	0	0	0	0	0	5	5	1	0	12
				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	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**6**	**6**	**1**	**0**	**14**
0600	10	0	0	1—10	0	0	1	1	0	0	1	0	3	7	3	1	17
				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	**0**	**0**	**1**	**1**	**0**	**0**	**1**	**0**	**4**	**8**	**4**	**1**	**20**
0900	2	0	0	1—10	2	2	4	6	0	1	0	0	1	1	2	1	20
				11—27	0	1	0	1	0	0	0	0	1	3	0	2	8
				28—47	0	0	0	0	0	0	0	0	0	0	0	9	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**2**	**3**	**4**	**7**	**0**	**1**	**0**	**0**	**2**	**4**	**2**	**3**	**28**
1200	0	0	0	1—10	2	6	3	2	2	0	0	0	0	1	1	0	17
				11—27	3	2	2	1	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	**5**	**8**	**5**	**3**	**2**	**0**	**0**	**0**	**0**	**3**	**1**	**3**	**30**
1500	0	0	0	1—10	4	3	1	1	0	0	0	0	0	2	1	0	12
				11—27	2	9	3	1	0	0	0	0	0	0	0	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	**6**	**12**	**4**	**2**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**3**	**30**
1800	8	0	0	1—10	5	8	3	1	0	0	0	0	0	0	1	2	20
				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	**6**	**8**	**3**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**22**
2100	10	0	0	1—10	1	4	1	2	0	0	0	0	3	1	1	4	17
				11—27	0	0	0	1	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	**1**	**4**	**1**	**3**	**0**	**0**	**0**	**0**	**3**	**2**	**2**	**4**	**20**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

CAIRO (A)—NOVEMBER 1961

Hour (U.T.)	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	2	5	5	1	0	1	0	0	1	2	0	17
				11—27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**2**	**5**	**5**	**1**	**0**	**3**	**0**	**0**	**1**	**2**	**0**	**19**
0300	14	0	0	1—10	0	1	3	4	1	0	0	0	1	1	2	0	13
				11—27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**1**	**3**	**4**	**1**	**0**	**2**	**1**	**1**	**1**	**2**	**0**	**16**
0600	14	0	0	1—10	2	2	2	4	0	0	1	0	0	0	2	0	13
				11—27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**2**	**2**	**2**	**4**	**0**	**0**	**4**	**0**	**0**	**0**	**2**	**0**	**16**
0900	0	0	0	1—10	1	8	2	0	0	0	0	2	2	2	1	3	21
				11—27	0	2	4	1	0	0	0	2	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**	**10**	**6**	**1**	**0**	**0**	**0**	**4**	**2**	**2**	**1**	**3**	**30**
1200	0	0	0	1—10	3	4	0	0	0	0	0	0	2	1	2	4	16
				11—27	0	5	5	0	0	0	0	0	0	1	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**	**9**	**5**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**3**	**6**	**30**
1500	1	0	0	1—10	1	5	1	0	0	0	0	0	0	3	2	6	18
				11—27	4	5	1	0	0	0	0	0	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	**5**	**10**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**2**	**7**	**29**
1800	4	0	0	1—10	3	6	5	0	0	0	2	0	0	0	1	5	22
				11—27	0	1	2	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	**3**	**7**	**7**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**1**	**6**	**26**
2100	9	0	0	1—10	1	1	5	7	0	0	1	0	0	0	0	2	17
				11—27	0	0	0	1	0	1	1	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	**1**	**1**	**5**	**8**	**0**	**1**	**2**	**0**	**0**	**0**	**0**	**3**	**21**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

MOSTAFA HELMI (A) — NOVEMBER 1961

Hour (U.T.)	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	5	4	1	0	0	1	2	0	1	4	2	25
				11—27	0	1	2	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	5	6	6	1	0	0	1	2	0	1	4	3	29
0300	0	0	0	1—10	8	3	3	1	0	0	1	2	0	3	4	2	27
				11—27	1	0	1	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	3	4	1	0	0	1	2	1	3	4	2	30
0600	2	0	0	1—10	1	4	1	0	1	0	2	0	2	0	4	6	21
				11—27	0	0	2	1	0	0	0	0	2	1	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	1	4	3	1	1	0	2	0	4	1	4	7	28
0900	1	0	0	1—10	4	3	0	0	0	0	0	1	1	1	1	3	14
				11—27	2	5	6	0	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	6	8	6	0	0	0	0	1	1	1	3	3	29
1200	1	0	0	1—10	0	2	0	0	0	0	0	0	1	0	2	3	8
				11—27	3	9	6	0	0	0	0	0	1	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	3	11	6	0	0	0	0	0	2	0	2	5	29
1500	0	0	0	1—10	2	6	1	0	0	0	0	0	0	2	0	0	11
				11—27	8	8	1	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	10	14	2	0	0	0	0	0	0	2	0	2	30
1800	0	0	0	1—10	5	2	1	0	0	0	0	1	0	1	0	1	11
				11—27	8	7	4	0	0	0	0	0	0	0	0	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	13	9	5	0	0	0	0	1	0	1	0	1	30
2100	1	0	0	1—10	2	8	4	0	0	0	1	1	0	0	1	4	21
				11—27	3	3	2	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	5	11	6	0	0	0	1	1	0	0	1	4	29

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

ALMAZA (A) — NOVEMBER 1961

Hour (U.T.)	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
				1—10	0	3	6	3	5	2	3	2	1	0	0	2	27
				11—27	0	0	1	1	0	0	0	0	0	0	0	0	2
0000	1	0	0	28—47	0	0	0	0	0	0	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**	**7**	**4**	**5**	**2**	**3**	**2**	**1**	**0**	**0**	**2**	**29**
				1—10	2	4	7	2	1	3	1	0	1	1	2	1	25
				11—27	0	0	0	0	0	0	0	2	0	0	0	0	2
0300	3	0	0	28—47	0	0	0	0	0	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**	**7**	**2**	**1**	**3**	**1**	**2**	**1**	**1**	**2**	**1**	**27**
				1—10	1	4	6	5	0	2	1	0	2	2	0	2	25
				11—27	0	0	0	0	0	0	1	1	1	0	0	0	3
0600	2	0	0	28—47	0	0	0	0	0	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**	**6**	**5**	**0**	**2**	**2**	**1**	**3**	**2**	**0**	**2**	**28**
				1—10	2	5	8	0	0	0	0	0	3	2	1	3	24
				11—27	0	1	1	3	0	0	0	1	0	0	0	0	6
0900	0	0	0	28—47	0	0	0	0	0	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**	**9**	**3**	**0**	**0**	**0**	**1**	**3**	**2**	**1**	**3**	**30**
				1—10	3	3	5	1	0	0	0	0	0	2	3	2	19
				11—27	0	3	6	0	0	0	0	0	0	1	0	1	11
1200	0	0	0	28—47	0	0	0	0	0	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**	**11**	**1**	**0**	**0**	**0**	**0**	**0**	**3**	**3**	**3**	**30**
				1—10	4	7	7	0	0	0	0	0	0	2	1	3	24
				11—27	0	1	5	0	0	0	0	0	0	0	0	0	6
1500	0	0	0	28—47	0	0	0	0	0	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**	**12**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	3	**30**
				1—10	5	7	11	2	0	1	0	2	0	0	0	0	28
				11—27	0	0	2	0	0	0	0	0	0	0	0	0	2
1800	0	0	0	28—47	0	0	0	0	0	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**	**13**	**2**	**0**	**1**	**0**	**2**	**0**	**0**	**0**	**0**	**30**
				1—10	3	6	7	4	2	0	2	1	0	1	1	1	28
				11—27	0	0	0	2	0	0	0	0	0	0	0	0	2
2100	0	0	0	28—47	0	0	0	0	0	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**	**7**	**6**	**2**	**0**	**2**	**1**	**0**	**1**	**1**	**1**	**30**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

GIZA—NOVEMBER 1961

Hour (U.T.)	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	1	2	1	0	0	1	0	0	0	0	5	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	**1**	**2**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**5**	**4**	**14**
0300	7	0	16	1—10	2	0	0	0	0	0	0	1	0	0	0	4	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 speesd	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**4**	**7**
0600	4	0	0	1—10	7	0	2	0	0	1	5	0	0	0	2	9	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	**7**	**0**	**2**	**0**	**0**	**1**	**5**	**0**	**0**	**0**	**2**	**9**	**26**
0900	1	0	0	1—10	6	12	2	0	0	0	3	0	0	2	0	3	28
				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	**6**	**12**	**3**	**0**	**0**	**0**	**3**	**0**	**0**	**2**	**0**	**3**	**29**
1200	0	0	0	1—10	9	5	2	0	0	0	0	1	1	3	0	4	25
				11—27	1	1	2	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	**10**	**6**	**4**	**0**	**0**	**0**	**0**	**1**	**1**	**3**	**1**	**4**	**30**
1500	5	0	0	1—10	10	9	0	0	0	0	0	0	0	0	2	3	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**	**10**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**3**	**25**
1800	3	0	0	1—10	9	11	3	0	0	1	0	0	0	0	1	2	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**	**11**	**3**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**2**	**27**
2100	11	0	0	1—10	5	3	2	0	0	1	1	0	0	0	1	6	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**	**3**	**2**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**1**	**6**	**19**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

MINYA (A)—NOVEMBER 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of direstions 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	18	1	0	0	0	0	1	1	0	0	1	4	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	**19**	**2**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**1**	**4**	**28**
0300	5	0	0	1—10	11	1	0	0	0	2	1	0	0	0	3	5	23
				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	**12**	**2**	**0**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**3**	**5**	**25**
0600	3	0	0	1—10	15	3	0	0	0	4	0	0	0	0	0	1	23
				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	**18**	**4**	**0**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**1**	**27**
0900	0	0	0	1—10	3	8	0	0	0	0	0	3	3	1	0	0	18
				11—27	3	8	1	0	0	0	0	0	0	0	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	**6**	**16**	**1**	**0**	**0**	**0**	**0**	**3**	**3**	**1**	**0**	**0**	**30**
1200	1	0	0	1—10	4	3	0	0	0	0	0	0	2	1	1	4	15
				11—27	4	7	0	0	0	0	0	0	0	0	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	**8**	**10**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**1**	**7**	**29**
1500	2	0	0	1—10	16	4	0	0	1	0	0	1	0	0	2	1	25
				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	19	**4**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**2**	**1**	**28**
1800	4	0	0	1—10	14	4	0	0	1	0	1	0	0	0	0	1	21
				11—27	2	2	0	1	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**	**6**	**0**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**26**
2100	2	0	0	1—10	16	1	0	0	0	0	2	1	0	0	0	5	25
				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	**18**	**2**	**0**	**0**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**5**	**28**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ASYOUT (A)—NOVEMBER 1961

Hour (U.T.)	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	1	1	0	0	0	0	1	0	4	11	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	1	1	0	0	0	0	1	0	4	11	0	4	22
0300	10	0	0	1—10	1	0	0	0	1	0	0	0	4	11	0	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 speeds	1	0	0	0	1	0	0	0	4	11	0	3	20
0600	6	0	0	1—10	2	0	0	0	1	0	0	1	1	15	1	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	2	0	0	0	1	0	0	1	1	15	1	3	24
0900	9	0	0	1—10	2	1	0	0	0	0	0	0	0	4	5	7	19
				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	1	0	0	0	0	0	0	0	4	5	8	21
1200	3	0	0	1—10	4	1	0	1	0	0	0	0	0	1	5	6	18
				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	1	0	0	0	0	0	1	6	11	27
1500	3	0	0	1—10	5	0	1	0	0	0	0	0	0	3	2	12	23
				11—27	0	0	0	0	0	0	0	0	0	0	3	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	0	1	0	0	0	0	0	0	3	5	13	27
1800	4	0	0	1—10	2	0	0	0	0	0	0	1	4	11	4	2	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	4	0	0	0	0	0	0	1	4	11	4	2	26
2100	7	0	0	1—10	0	0	0	0	0	0	1	0	4	14	1	2	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	1	0	0	0	0	0	1	0	4	14	1	2	23

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

LUXOR (A)—NOVEMBER 1961

Hour (U.T.)	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
				1—10	0	1	1	0	1	1	2	5	0	1	0	2	14
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
0000	16	0	0	28—47	0	0	0	0	0	0	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**	**1**	**1**	**2**	**5**	**0**	**1**	**0**	**2**	**14**
				1—10	0	0	1	0	1	0	3	5	1	0	0	0	11
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
0300	19	0	0	28—47	0	0	0	0	0	0	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**	**3**	**5**	**1**	**0**	**0**	**0**	**11**
				1—10	1	0	3	1	1	0	0	1	3	1	0	0	11
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
0600	19	0	0	28—47	0	0	0	0	0	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**	**1**	**1**	**0**	**0**	**1**	**3**	**1**	**0**	**0**	**11**
				1—10	3	11	2	0	1	0	0	0	3	0	2	4	26
				11—27	1	0	0	0	0	0	0	0	0	0	0	0	1
0900	3	0	0	28—47	0	0	0	0	0	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**	**2**	**0**	**1**	**0**	**0**	**0**	**3**	**0**	**2**	**4**	**27**
				1—10	6	8	1	0	0	0	0	0	1	1	4	8	29
				11—27	0	0	0	0	0	0	0	0	0	0	0	1	1
1200	0	0	0	28—47	0	0	0	0	0	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**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**4**	**9**	**30**
				1—10	10	5	1	0	0	0	0	0	0	1	0	7	24
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	6	0	0	28—47	0	0	0	0	0	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**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**7**	**24**
				1—10	1	4	3	2	0	0	0	2	2	1	3	2	20
				11—27	0	0	0	1	0	0	0	0	0	0	0	0	1
1800	9	0	0	28—47	0	0	0	0	0	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**	**3**	**0**	**0**	**0**	**2**	**2**	**1**	**3**	**2**	**21**
				1—10	6	1	0	1	2	2	2	3	1	0	0	1	19
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
2100	11	0	0	28—47	0	0	0	0	0	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**	**2**	**2**	**2**	**3**	**1**	**0**	**0**	**1**	**19**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ASWAN (A)—NOVEMBER 1961

Hour (U.T.)	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	
				1—10	19	1	0	0	0	0	0	0	0	0	0	2	22
				11—27	3	0	0	0	0	0	0	0	0	0	0	0	3
0000	5	0	0	28—47	0	0	0	0	0	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**	**2**	**25**
				1—10	21	0	0	0	0	0	0	0	0	0	0	0	21
				11—27	2	0	0	0	0	0	0	0	0	0	0	0	2
0300	7	0	0	28—47	0	0	0	0	0	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**23**
				1—10	23	0	0	0	0	0	0	0	0	0	0	0	23
				11—27	4	1	0	0	0	0	0	0	0	0	0	0	5
0600	2	0	0	28—47	0	0	0	0	0	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**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**28**
				1—10	15	2	0	0	0	0	0	0	0	0	0	0	17
				11—27	11	2	0	0	0	0	0	0	0	0	0	0	13
0900	0	0	0	28—47	0	0	0	0	0	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**	**0**	**0**	**0**	**30**
				1—10	18	1	0	0	0	0	0	0	0	0	0	1	20
				11—27	5	1	0	1	0	0	0	0	0	0	0	0	7
1200	3	0	0	28—47	0	0	0	0	0	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**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**27**
				1—10	21	1	1	0	0	0	0	0	0	0	0	4	27
				11—27	3	0	0	0	0	0	0	0	0	0	0	0	3
1500	0	0	0	28—47	0	0	0	0	0	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**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**30**
				1—10	21	0	1	0	0	0	0	0	0	0	0	1	23
				11—27	6	1	0	0	0	0	0	0	0	0	0	0	7
1800	0	0	0	28—47	0	0	0	0	0	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**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**30**
				1—10	15	1	0	0	0	0	0	0	0	0	0	1	17
				11—27	6	0	0	0	0	0	0	0	0	0	0	1	7
2100	6	0	0	28—47	0	0	0	0	0	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**	**2**	**24**

TABLE A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

SIWA—NOVEMBER 1961

Hour (U.T.)	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	1	2	2	2	1	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	1	1	2	2	2	1	0	0	0	0	1	0	10
0300	25	0	0	1—10	1	0	1	2	0	0	1	0	0	0	0	0	5
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	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	0	0	0	0	0	5
0600	24	0	0	1—10	1	0	0	0	2	0	0	0	0	0	1	2	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	1	0	0	0	2	0	0	0	0	0	1	2	6
0900	4	0	0	1—10	3	0	1	0	3	8	2	1	1	3	2	0	24
				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	3	0	1	1	3	8	3	1	1	3	2	0	26
1200	0	0	0	1—10	0	2	2	0	1	2	4	3	1	3	1	2	21
				11—27	1	0	1	0	3	0	1	1	1	1	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	2	3	0	4	2	5	4	2	4	1	2	30
1500	3	0	0	1—10	2	3	2	0	0	3	1	2	3	3	5	0	24
				11—27	0	1	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	4	2	1	0	3	1	2	3	3	6	0	27
1800	17	0	0	1—10	3	1	2	0	0	1	1	0	1	1	1	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	3	1	3	0	0	1	1	0	1	1	1	1	13
2100	21	0	0	1—10	0	1	0	2	0	1	1	0	0	0	2	0	7
				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	1	2	2	0	1	1	0	0	0	2	0	9

TABLE A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

BAHARIYA—NOVEMBER 1961

Hour (U.T.)	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	6	4	0	0	0	0	0	1	0	0	0	0	11
				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	7	5	0	0	0	0	0	1	0	0	0	0	13
0300	26	0	0	1—10	1	1	0	0	0	0	0	0	0	0	0	0	2
				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	2	2	0	0	0	0	0	0	0	0	0	0	4
0600	25	0	0	1—10	2	2	0	0	0	0	0	0	0	0	0	1	5
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	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	0	0	1	5
0900	3	0	0	1—10	5	6	1	2	0	0	0	0	0	2	0	2	18
				11—27	5	0	3	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	10	6	4	3	0	0	0	0	0	2	0	2	27
1200	0	0	0	1—10	9	3	0	1	0	0	0	1	0	1	1	1	17
				11—27	3	1	4	1	0	0	0	0	0	0	2	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	12	4	4	2	0	0	0	1	0	1	3	3	30
1500	0	0	0	1—10	12	1	2	0	0	0	0	0	0	1	1	3	21
				11—27	3	2	1	1	0	0	0	0	0	0	1	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	15	3	3	1	0	0	0	0	0	1	2	4	30
1800	4	0	0	1—10	10	4	1	1	0	0	0	0	0	2	1	2	21
				11—27	1	1	2	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	11	5	3	1	0	0	0	0	0	2	2	2	26
2100	15	0	0	1—10	7	2	1	0	0	0	0	0	1	0	0	1	12
				11—27	0	2	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	4	1	0	0	0	0	0	1	0	1	1	15

TABLE A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

TOR—NOVEMBER 1961

Hour (U.T.)	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	3	6	1	0	0	0	0	0	0	0	1	0	11
				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	6	1	0	0	0	0	0	0	0	1	3	14
0300	17	0	0	1—10	6	3	0	0	0	0	0	0	0	0	1	1	11
				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	6	3	0	0	0	0	0	0	0	0	3	1	13
0600	14	0	0	1—10	3	9	0	0	0	0	0	0	0	0	1	1	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	3	9	0	0	0	0	0	0	0	0	1	3	16
0900	8	0	0	1—10	0	0	0	0	0	0	0	1	1	9	5	2	18
				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	0	0	0	0	1	1	10	7	3	22
1200	6	0	0	1—10	0	0	0	0	0	0	0	0	0	7	9	0	16
				11—27	0	0	0	0	0	0	0	0	0	3	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	0	0	0	0	0	0	0	0	0	10	14	0	24
1500	5	0	0	1—10	2	0	0	0	0	0	0	0	0	5	12	1	20
				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	2	0	0	0	0	0	0	0	0	5	13	5	25
1800	16	0	0	1—10	3	3	0	0	0	0	0	0	0	0	3	1	10
				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	3	3	0	0	0	0	0	0	0	0	4	4	14
2100	17	0	0	1—10	1	3	1	1	0	0	0	0	0	0	3	1	10
				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	3	1	1	0	0	0	0	0	0	3	4	13

TABLE A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

HURGHADA—NOVEMBER 1961

Hour (U.T.)	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	11	9	20
				11—27	0	0	0	0	0	0	0	0	0	1	6	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**17**	**11**	**29**
0300	0	0	0	1—10	0	0	0	0	0	0	0	0	0	0	8	10	18
				11—27	0	0	0	0	0	0	0	0	0	0	8	3	11
				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**	**0**	**16**	**14**	**30**
0600	1	0	0	1—10	0	0	0	0	0	0	0	0	0	0	4	9	13
				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	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**	**0**	**10**	**19**	**29**
0900	0	0	0	1—10	8	2	0	0	1	0	0	0	0	0	0	4	15
				11—27	6	0	1	0	0	0	0	0	0	0	0	8	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**	**2**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**30**
1200	0	0	0	1—10	2	11	3	0	0	0	0	0	0	0	0	3	19
				11—27	9	1	0	0	0	0	0	0	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	**11**	**12**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**30**
1500	5	0	0	1—10	11	1	1	1	1	0	0	0	0	0	0	5	20
				11—27	2	0	0	0	0	0	0	0	0	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	**13**	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**25**
1800	4	0	0	1—10	0	0	0	0	0	0	0	1	0	2	3	5	11
				11—27	0	0	0	0	0	0	0	0	0	0	0	15	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**	**0**	**0**	**0**	**1**	**0**	**2**	**3**	**20**	**26**
2100	1	0	0	1—10	0	0	0	0	0	0	0	0	1	3	15	2	21
				11—27	0	0	0	0	0	0	0	0	0	1	6	0	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**	**1**	**4**	**21**	**3**	**29**

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN —0000 U. T. — NOVEMBER 1961

Pressure surface (millibar)	Heights of pressure surfaces (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface of station . .	28	1002mb.	1008mb.	996mb.	28	15.9	23.8	7.6	28	8.2
1000	28	154	206	108	19	14.7	23.8	8.0	19	7.5
850	28	1526	1578	1488	28	10.8	17.1	0.2	27	— 2.5
700	28	3121	3181	3056	28	2.8	10.6	— 4.1	14	—12.5
600	28	4346	4418	4294	28	— 5.1	— 1.0	—11.2	12	—20.7
500	28	5756	5828	5649	28	—14.7	—11.3	—17.2	10	—27.0
400	28	7404	7485	7273	28	—27.2	—21.4	—30.4	7	—34.1
300	28	9405	9493	9066	28	—42.0	—37.4	—45.7	—	—
200	27	12050	12193	11742	27	—57.2	—52.7	—61.3	—	—
150	25	13840	13972	13590	25	—63.2	—54.4	—69.2	—	—
100	12	16336	16438	16284	12	—65.9	—60.2	—69.0	—	—
60	5	19460	19508	19400	5	—60.5	—59.0	—63.2	—	—
40	3	22024	22089	21977	3	—53.6	—49.3	—56.2	—	—
30		—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Number of observations of specified pressure surfaces.

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN —1200 U. T. — NOVEMBER 1961

Pressure surface (millibar)	Heights of pressure surfaces (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface of station . .	30	1000mb.	1008mb.	995 mb.	30	23.8	29.6	14.0	30	5.6
1000	30	144	209	100	15	21.7	28.1	13.6	15	3.1
850	30	1527	1591	1492	30	10.8	16.7	1.6	27	— 1.5
700	30	3120	3206	3046	30	2.6	7.2	— 3.0	15	—14.9
600	30	4353	4452	4251	30	— 5.1	— 1.4	— 9.5	—	—
500	30	5759	5878	5639	30	—14.8	—10.7	—18.2	—	—
400	30	7410	7564	7279	30	—27.4	—22.3	—30.6	—	—
300	29	9424	9604	9281	29	—42.1	—38.1	—45.3	—	—
200	28	12071	12256	11938	28	—56.9	—52.4	—62.8	—	—
150	27	13865	14044	13724	27	—62.8	—58.0	—69.6	—	—
100	23	16326	16525	16176	23	—66.8	—60.7	—73.5	—	—
60	7	19506	19674	19361	7	—57.7	—50.0	—61.4	—	—
40	5	22018	22150	21917	5	—54.7	—50.9	—58.4	—	—
30	1	23797	—	—	1	—56.8	—	—	—	—
20	1	26380	—	—	1	—45.5	—	—	—	—
10	—	—	—	—		—	—	—	—	—

N = Number of observations of specified pressure surfaces.

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A)—0000 U. T. — NOVEMBER 1961

Pressure surface (millibar)	Heights of pressure surfaces (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface of station . .	26	1002mb.	1007mb.	999mb.	26	17.2	22.5	10.0	26	3.2
1000	25	123	165	106	25	17.2	22.5	9.5	25	3.4
850	26	1505	1530	1484	26	13.2	15.8	6.0	21	— 0.2
700	26	3113	3146	3058	26	5.3	8.6	— 1.7	—	—
600	26	4354	4395	4274	26	— 2.2	1.6	— 8.1	—	—
500	26	5778	5837	5669	26	—11.2	— 6.7	—13.8	—	—
400	26	7455	7524	7311	26	—23.4	—16.0	—29.0	—	—
300	25	9503	9630	9327	25	—37.4	—30.2	—41.8	—	—
200	25	12198	12436	11991	25	—55.1	—42.6	—59.0	—	—
150	24	13989	14336	13870	24	—65.4	—52.2	—71.8	—	—
100	19	16409	16890	16238	19	—72.8	—62.2	—75.4	—	—
60	11	19478	20046	19230	11	—64.3	—57.8	—69.0	—	—
40	7	21925	22051	21713	7	—58.7	—55.0	—62.6	—	—
30	2	23815	23820	23810	2	—51.1	—50.2	—52.0	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Number of observations of specified pressure surfaces.

* The atmospheric pressure corrected to the elevation of the radiosonde station.

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A)—1200 U. T. — NOVEMBER 1961

Pressure surface (millibar)	Heights of pressure surfaces (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface of station . .	26	1002mb.	1006mb.	998mb.	26	29.4	33.6	21.5	26	8.4
1000	22	125	159	106	22	28.9	33.6	21.2	22	7.7
850	26	1528	1567	1503	26	15.3	17.8	9.0	21	— 5.7
700	26	3146	3192	3115	26	6.9	10.3	4.4	2	—20.1
600	26	4395	4446	4354	26	— 0.5	2.8	— 3.5	—	—
500	26	5830	5891	5777	26	— 9.2	— 3.2	—13.8	—	—
400	26	7516	7595	7451	26	—22.0	—19.6	—25.6	—	—
300	26	9568	9663	9483	26	—37.3	—32.1	—40.2	—	—
200	24	12262	12396	12165	24	—55.2	—50.7	—58.0	—	—
150	22	14056	14196	13981	22	—66.1	—60.6	—72.0	—	—
100	16	16473	16606	16356	16	—73.9	—71.0	—78.1	—	—
60	7	19526	19686	19384	7	—63.8	—60.1	—68.0	—	—
40	3	22012	22112	21904	3	—57.1	—55.0	—59.2	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Number of observations of specified pressure surfaces.

* The atmospheric pressure corrected to the elevation of the radiosonde station.

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 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000 - 360)	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Mersa Matruh (A)	3190 (30)	695 (30)	—10.4 (21)	3800	644	—14.5	1440	860	—10.5	12672 (27)	187 (27)	—61.3 (27)	15150	118	—64.0	9900	276	—50.2	15200	120	310	110
Helwan	3410 (28)	674 (28)	—12.2 (13)	4240	611	—	1540	848	—10.3	12034 (20)	205 (20)	—58.4 (20)	15085	126	—66.4	9700	290	—43.9	13200	168	330	103
Aswan . . .(A)	4006 (26)	627 (26)	—	4700	574	—	2770	724	—	14648 (20)	136 (20)	—69.5 (20)	16449	100	—74.1	12870	178	—59.9	11200	233	270	147

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 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000 - 360)	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Mersa Matruh (A)	3354 (30)	683 (30)	—10.9 (22)	4100	626	—	1580	846	—3.1	11815 (26)	211 (26)	—57.8 (26)	14510	136	—62.1	9490	295	—45.0	12500	187	260	105
Helwan	3430 (30)	675 (30)	—15.8 (15)	4250	613	—17.7	1700	830	—12.6	10788 (28)	246 (28)	—52.5 (28)	12980	180	—62.7	8800	324	—41.5	13000	168	280	103
Aswan . . . (A)	(4322 (26)	609 (26)	—	5100	552	—	3700	650	—	14585 (16)	138 (16)	—69.2 (16)	16544	100	—74.0	12720	185	—59.8	16800	—	280	150

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. NOVEMBER 1961

N= The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	4	12	1	6	0	—	0	—	2	10	3	10	3	10	7	11	1	7	2	10	2	14	4	10	1	30	10
1000	4	13	1	6	0	—	0	—	2	10	3	10	3	10	7	11	1	7	2	10	2	14	4	10	1	30	10
850	1	18	1	14	5	8	3	10	1	21	0	—	0	—	2	6	1	6	2	8	7	14	7	13	0	30	11
700	2	12	1	20	2	14	3	11	1	10	0	—	1	7	0	—	2	20	3	18	8	14	7	18	0	30	15
600	1	13	2	18	1	12	1	22	0	—	1	5	1	5	1	8	3	14	4	29	7	19	8	19	0	30	18
500	4	21	0	—	1	8	1	8	0	—	0	—	0	—	0	—	4	16	8	34	10	24	2	25	0	30	24
400	1	24	0	—	1	35	1	3	1	7	0	—	0	—	0	—	2	22	8	42	12	24	2	35	0	28	29
300	2	18	1	9	0	—	0	—	0	—	0	—	0	—	1	29	1	25	6	47	12	44	2	16	0	25	38
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	35	1	23	8	52	11	49	0	—	0	21	48
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	45	2	50	9	53	5	50	0	—	0	17	51
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	39	0	—	0	—	2	39	1	34	0	4	38
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 1961

N= The number of cases the wind has been observed from the range of direction during the month·

TN = The total number of cases the wind has been observed for all directions during the month.

pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	3	12	5	9	2	8	2	8	0	—	2	8	1	6	2	17	3	10	1	8	2	16	7	14	0	30	11
1000	3	12	5	9	2	8	2	8	0	—	2	8	1	6	2	17	3	10	1	8	2	16	7	14	0	30	11
850	3	11	0	—	1	17	4	14	2	12	0	—	2	6	1	7	3	21	3	11	6	12	4	12	1	30	12
700	2	20	3	6	2	12	4	16	0	—	0	—	1	7	2	11	1	25	3	22	6	19	6	17	0	30	16
600	2	16	1	7	0	—	0	—	3	13	0	—	0	—	1	12	3	21	4	22	8	23	5	23	3	30	18
500	1	23	1	6	0	—	0	—	1	10	0	—	0	—	0	—	8	19	7	34	6	30	5	22	1	30	24
400	1	18	0	—	0	—	0	—	1	9	0	—	0	—	0	—	4	21	7	33	11	37	3	18	3	30	27
300	1	18	0	—	0	—	0	—	1	10	0	—	0	—	0	—	4	32	10	48	10	37	2	36	0	28	39
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	35	9	44	10	47	2	26	0	24	43
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	43	8	54	6	41	0	—	0	17	47
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	32	5	41	0	—	1	44	0	8	39
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

HELWAN 0000 U.T. NOVEMBER 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	3	9	5	8	8	9	1	4	1	6	0	—	0	—	0	—	0	—	0	—	0	—	4	11	4	26	8
1000	2	11	3	9	9	11	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	14	4	19	9
850	2	14	12	16	4	22	2	23	0	—	1	1	0	—	1	10	2	16	0	—	1	10	3	18	0	28	16
700	5	12	3	22	3	27	2	10	0	—	0	—	1	7	0	—	1	9	4	23	4	18	5	14	0	28	17
600	3	18	3	10	1	24	0	—	0	—	0	—	1	10	1	20	1	17	6	26	6	23	6	16	0	28	19
500	4	20	1	10	0	—	0	—	0	—	0	—	0	—	1	10	1	33	6	32	11	24	4	24	0	28	24
400	2	11	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	20	9	52	10	29	5	36	0	28	36
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	36	11	46	11	40	3	31	0	26	41
200	0	—	1	54	0	—	0	—	0	—	0	—	0	—	0	—	2	40	9	62	6	52	2	78	0	20	58
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	46	5	62	6	49	1	77	0	13	56
100	0	—	0	—	—	—	0	—	0	—	0	—	0	—	0	—	0	—	1	59	2	33	0	—	0	3	42
60	—	—	—	—	—	—	—	—	—	—	0	—	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

HELWAN 1200 U.T. NOVEMBER 1961

N= The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	2	14	4	16	3	19	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	11	0	11	16
850	4	12	4	16	5	22	4	15	3	6	1	16	0	—	1	9	0	—	2	16	3	15	3	10	0	30	14
700	2	6	1	15	5	23	3	17	0	—	0	—	1	4	2	6	0	—	5	19	5	13	6	17	0	30	16
600	1	23	1	29	2	14	1	17	0	—	0	—	0	—	1	7	2	18	8	29	7	16	7	18	0	30	20
500	1	32	3	10	0	—	0	—	0	—	0	—	0	—	0	—	1	18	12	33	6	32	7	21	0	30	27
400	2	22	1	12	0	—	0	—	0	—	0	—	0	—	0	—	2	18	13	42	9	38	3	28	0	30	35
300	2	26	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	11	42	11	48	2	67	0	26	45
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	38	8	54	5	52	3	66	0	18	54
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	49	0	—	4	49	3	40	0	—	0	8	46
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 (A) 0000 U.T. NOVEMBER 1961

N= The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	17	8	2	8	1	5	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	26	6
1000	16	8	2	8	1	5	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	25	6
850	2	10	8	10	7	12	1	25	0	—	0	—	0	—	2	7	1	4	0	—	0	—	5	11	0	26	11
700	3	11	3	12	1	17	0	—	1	3	0	—	0	—	0	—	3	11	4	15	6	13	5	15	0	26	13
600	0	—	3	13	1	15	0	—	0	—	0	—	0	—	0	—	2	18	8	22	7	21	5	8	0	26	18
500	1	26	1	11	0	—	0	—	0	—	0	—	0	—	0	—	1	25	11	30	9	28	3	19	0	26	27
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	51	11	44	6	38	5	29	0	25	40
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	80	11	63	8	47	2	49	0	24	59
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	142	8	95	8	77	1	76	0	18	89
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	103	4	93	2	79	0	7	90
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	93	0	—	0	3	93
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 (A) 1200 U.T. NOVEMBER 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	14	7	2	6	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	6	0	—	1	9	8	26	5
1000	11	6	2	6	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	9	8	22	4
850	4	8	4	10	6	9	3	10	0	—	0	—	0	—	0	—	2	8	2	7	2	6	3	13	0	26	9
700	1	12	1	9	3	12	4	13	0	—	0	—	2	8	0	—	1	9	6	13	4	10	4	12	0	26	12
600	1	7	3	17	1	17	2	12	0	—	0	—	0	—	0	—	2	16	9	22	7	21	1	6	0	26	18
500	1	24	1	16	2	20	0	—	1	7	0	—	0	—	0	—	2	25	11	32	6	27	2	24	0	26	27
400	1	35	0	—	0	—	1	33	0	—	0	—	0	—	0	—	1	45	11	49	9	39	3	29	0	26	42
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	42	11	64	9	58	3	36	0	24	57
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	90	5	97	7	82	3	60	0	19	84
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	119	5	74	0	—	0	7	87
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	77	1	137	0	—	0	2	107
60	—	—	—	—	—	—	—	—	0	—	—	—	0	—	0	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO—METEOROLOGICAL STATION AT GIZA NOVEMBER 1961

This month was rather cold and dry as compared with the normal values of air temperature and total rainfall for Giza during November. The mean daily air temperature at 2 metres above ground, the mean daily relative humidity and the total rainfall were below normal (-1.0°C, -2%, -4 mms. respectively). This month was characterized by a warm spell between the 13th &18th which gave the absolute maximum temperature for the month (29.6°C) on the 17th. This warm spell was followed by a cold wave between the 22nd and 26th which gave the lowest maximum temperature for the month (17.8°C) on the 22nd.

The extreme maximum soil temperatures at depths between 0.3 & 200 cms. in the dry field were less than the corresponding values for November 1960, the difference varied between 2.3 °C at 10&20 cms. depth and 0.3 °C at 200cms. At 300cms. the values were equal. The extreme minimum soil temperatures at all depths were lower than corresponding values for last year : the difference varied between 6.1 °C at 0.3 cm and 0.3 °C at 200 cms. depth.

The daily mean wind speed at 2 metres above ground was slightly less than the corresponding value of last November (-0.2 m sec). The daily mean values of Piche evaporation, water pan evaporation, potential evaporation and potential evapotranspiration were lower (-0.4, - 0.44, - 0.7, - 1.2 mms.) than the corresponding values of last year. The total actual duration of bright sunshine was 7.4 hours more than the corresponding value of November 1960.

REVIEW OF AGRO—METEOROLOGICAL STATION AT TAHRIR NOVEMBER 1961

For this month the daily mean air temperature, the daily mean vapour pressure, the daily mean Piche evaporation and the total rainfall were lower (- 1.5°C, - 1.2 mms., - 0.7 mms., - 1.9 mms. respectively) than the corresponding values of November 1960. The daily relative humidity was the same as for last November. An active cold front passed through the station on the 21st and was followed by a moderate cold wave which prevailed most of the fourth week.

The extreme maximum soil temperatures at all depths were lower than the corresponding values of last November, the difference ranged from 3.3 °C at 1 cm. depth to 1.7 °C at 100 cms. depth. The extreme minimum soil temperatures were also lower than the corresponding values of last November ; the difference ranged form 6.4°C at 5 cms. depth to 1.7 °C at 100 cms. depth.

The daily mean wind speed at 2 metres above ground, the total (solar + sky) radiation and the total actual duration of bright sunshine were less by 0.3 m./sec, 40 gm. cal./cm^2 6.5 hours respectively than the corresponding values of November 1960.

TABLE C 1—AIR TEMPERATURES AT 2 METRES ABOVE GROUND; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5 CMS ABOVE GROUND ON DIFFERENT FIELDS

GIZA — NOVEMBER 1961

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	26.7	15.0	20.5	18.3	22.4	24.0	24.0	24.0	24.0	24.0	10.5	2.5	0.0	0.0	0.0	0.0
2	26.9	16.3	20.8	19.2	23.0	24.0	24.0	24.0	24.0	24.0	12.5	4.0	0.0	0.0	0.0	0.0
3	27.0	16.3	20.4	18.7	22.3	24.0	24.0	24.0	24.0	24.0	11.5	2.5	0.0	0.0	0.0	0.0
4	26.3	14.5	19.9	18.3	22.1	24.0	24.0	24.0	24.0	23.0	11.0	1.0	0.0	0.0	0.0	0.0
5	24.9	13.0	19.0	17.6	20.9	24.0	24.0	24.0	24.0	20.5	9.0	0.0	0.0	0.0	0.0	0.0
6	27.1	13.3	20.0	17.5	21.9	24.0	24.0	24.0	24.0	19.5	11.5	3.5	0.0	0.0	0.0	0.0
7	26.8	15.1	19.8	18.7	21.8	24.0	24.0	24.0	24.0	24.0	11.0	3.5	0.0	0.0	0.0	0.0
8	26.0	17.1	21.0	19.4	22.2	24.0	24.0	24.0	24.0	24.0	13.0	2.0	0.0	0.0	0.0	0.0
9	26.9	18.6	21.4	20.5	23.0	24.0	24.0	24.0	24.0	24.0	13.0	4.5	0.0	0.0	0.0	0.0
10	25.2	14.9	19.2	18.8	21.5	24.0	24.0	24.0	24.0	24.0	9.5	0.0	0.0	0.0	0.0	0.0
11	24.9	11.0	17.8	15.7	20.6	24.0	24.0	24.0	24.0	16.0	9.5	0.0	0.0	0.0	0.0	0.0
12	27.3	10.9	19.4	15.4	22.5	24.0	24.0	24.0	24.0	16.5	12.5	4.5	0.0	0.0	0.0	0.0
13	28.0	13.2	20.2	18.1	22.8	24.0	24.0	24.0	24.0	17.5	12.5	6.0	0.0	0.0	0.0	0.0
14	27.3	13.4	20.0	18.0	22.1	24.0	24.0	24.0	24.0	18.5	12.0	4.5	0.0	0.0	0.0	0.0
15	27.7	18.3	21.8	20.4	23.5	24.0	24.0	24.0	24.0	24.0	14.5	5.0	0.0	0.0	0.0	0.0
16	28.4	14.7	20.9	19.7	23.5	24.0	24.0	24.0	24.0	24.0	12.0	5.0	0.0	0.0	0.0	0.0
17	29.6	10.9	18.0	16.8	21.5	24.0	24.0	24.0	24.0	11.5	7.5	5.5	0.0	0.0	0.0	0.0
18	28.1	10.9	18.7	14.9	22.4	24.0	24.0	24.0	24.0	17.0	8.0	4.5	0.0	0.0	0.0	0.0
19	27.4	15.0	19.8	18.4	22.4	24.0	24.0	24.0	24.0	24.0	9.5	4.5	0.0	0.0	0.0	0.0
20	27.7	10.6	18.4	16.6	21.9	24.0	24.0	24.0	24.0	16.0	9.0	2.5	0.0	0.0	0.0	0.0
21	25.7	12.1	16.9	16.9	19.2	24.0	24.0	24.0	24.0	16.0	4.0	0.0	0.0	0.0	0.0	0.0
22	17.8	6.7	13.0	13.3	15.1	24.0	24.0	24.0	21.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
23	18.4	5.4	11.5	8.8	14.1	24.0	24.0	24.0	14.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0
24	18.7	6.4	12.4	10.0	14.9	24.0	24.0	24.0	15.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
25	19.2	5.0	12.0	10.1	14.5	24.0	24.0	24.0	14.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
26	20.9	6.3	13.2	10.1	16.1	24.0	24.0	24.0	16.0	10.0	0.5	0.0	0.0	0.0	0.0	0.0
27	21.5	9.3	15.1	12.8	17.3	24.0	24.0	24.0	23.5	12.0	2.5	0.0	0.0	0.0	0.0	0.0
28	21.9	9.6	15.8	13.5	18.0	24.0	24.0	24.0	24.0	13.5	5.0	0.0	0.0	0.0	0.0	0.0
29	22.5	9.3	16.0	14.2	18.1	24.0	24.0	24.0	22.0	15.0	5.5	0.0	0.0	0.0	0.0	0.0
30	24.1	11.0	16.8	15.0	19.3	24.0	24.0	24.0	24.0	12.5	6.5	0.0	0.0	0.0	0.0	0.0
Total	—	—	—	—	—	720.0	720.0	720.0	678.5	515.0	243.5	65.5	0.0	0.0	0.0	0.0
Mean	25.0	12.1	18.0	16.2	20.3	24.0	24.0	24.0	22.6	17.2	8.1	2.2	0.0	0.1	0.0	0.0

Highest Maximum At 2 Metres 29.6°C On 17*th*

Lowest Maximum At 2 Metres 17.8°C On 22*nd*

Highest Minimum at 2 Metres 18.6°C On 9*th*

Lowest Minimum At 2 Metres 5.0°C On 25*th*

Absolute Minimum Temperature At 5 cms. Above Dry Soil 0.7 °C On 26*th*.

" " " " " Wet Soil 2.4 °C On 26*th*.

" " " " " Grass 0.5 °C On 26*th*.

TABLE C 1—AIR TEMPERATURES AT 2 METRES ABOVE GROUND; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5 CMS ABOVE GROUND ON DIFFERENT FIELDS

TAHRIR — NOVEMBER 1961

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	26.7	16.6	20.6	18.4	23.0	24.0	24.0	24.0	24.0	24.0	12.0	3.0	0.0	0.0	0.0	0.0
2	26.6	16.0	20.5	18.4	23.0	24.0	24.0	24.0	24.0	24.0	11.5	3.5	0.0	0.0	0.0	0.0
3	26.8	15.8	20.3	18.4	22.5	24.0	24.0	24.0	24.0	24.0	11.5	3.0	0.0	0.0	0.0	0.0
4	26.0	15.2	19.4	18.1	21.6	24.0	24.0	24.0	24.0	24.0	10.0	0.5	0.0	0.0	0.0	0.0
5	25.1	13.6	19.0	17.1	21.2	24.0	24.0	24.0	24.0	21.5	10.0	0.0	0.0	0.0	0.0	0.0
6	27.6	13.6	19.6	17.1	22.1	24.0	24.0	24.0	24.0	20.0	11.5	3.0	0.0	0.0	0.0	0.0
7	28.5	14.1	19.9	17.9	22.2	24.0	24.0	24.0	24.0	22.0	11.0	4.5	0.0	0.0	0.0	0.0
8	27.3	15.7	20.1	18.6	21.4	24.0	24.0	24.0	24.0	24.0	11.0	3.0	0.0	0.0	0.0	0.0
9	27.5	16.8	20.8	19.7	23.1	24.0	24.0	24.0	24.0	24.0	11.5	3.5	0.0	0.0	0.0	0.0
10	25.1	14.9	19.1	17.8	21.6	24.0	24.0	24.0	24.0	24.0	9.0	0.0	0.0	0.0	0.0	0.0
11	26.5	13.5	18.9	16.6	21.4	24.0	24.0	24.0	24.0	19.0	10.0	0.0	0.0	0.0	0.0	0.0
12	25.8	12.7	18.8	16.5	21.7	24.0	24.0	24.0	24.0	16.5	10.0	1.0	0.0	0.0	0.0	0.0
13	26.7	12.7	19.1	16.5	21.9	24.0	24.0	24.0	24.0	16.5	10.0	4.0	0.0	0.0	0.0	0.0
14	26.7	13.2	19.1	17.0	21.7	24.0	24.0	24.0	24.0	18.5	9.5	3.5	0.0	0.0	0.0	0.0
15	26.4	15.0	20.2	18.0	22.7	24.0	24.0	24.0	24.0	24.0	11.0	3.5	0.0	0.0	0.0	0.0
16	27.9	15.5	21.0	19.2	23.9	24.0	24.0	24.0	24.0	24.0	11.0	5.0	0.0	0.0	0.0	0.0
17	29.8	13.8	19.1	16.8	22.0	24.0	24.0	24.0	24.0	18.0	9.5	5.0	0.0	0.0	0.0	0.0
18	28.0	13.2	19.7	16.7	22.8	24.0	24.0	24.0	24.0	19.0	9.0	5.0	0.0	0.0	0.0	0.0
19	27.0	13.5	19.5	18.5	22.1	24.0	24.0	24.0	24.0	21.5	10.5	2.0	0.0	0.0	0.0	0.0
20	26.7	12.9	19.2	16.2	22.2	24.0	24.0	24.0	24.0	17.0	10.0	4.0	0.0	0.0	0.0	0.0
21	21.4	12.1	16.6	17.7	18.6	24.0	24.0	24.0	24.0	16.5	2.0	0.0	0.0	0.0	0.0	0.0
22	17.3	9.8	13.5	13.1	15.2	24.0	24.0	24.0	23.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
23	18.6	8.8	12.1	10.6	14.4	24.0	24.0	24.0	15.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
24	18.6	6.7	12.3	9.5	15.3	24.0	24.0	24.0	14.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
25	18.6	6.3	12.4	10.1	15.0	24.0	24.0	24.0	16.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
26	21.4	8.0	14.6	11.2	17.6	24.0	24.0	24.0	19.5	9.5	4.0	0.0	0.0	0.0	0.0	0.0
27	21.8	9.7	15.7	13.6	18.3	24.0	24.0	24.0	24.0	11.0	5.0	0.0	0.0	0.0	0.0	0.0
28	22.6	9.7	15.8	13.3	18.3	24.0	24.0	24.0	24.0	12.0	5.5	0.0	0.0	0.0	0.0	0.0
29	23.5	10.4	16.1	13.9	18.6	24.0	24.0	24.0	24.0	12.0	6.0	0.0	0.0	0.0	0.0	0.0
30	23.3	11.4	16.8	14.4	19.8	24.0	24.0	24.0	24.0	13.0	7.0	0.0	0.0	0.0	0.0	0.0
Total	—	—	—	—	—	720.0	720.0	720.0	688.0	527.0	239.0	51.0	0.0	0.0	0.0	0.0
Mean	24.9	12.7	18.0	16.0	20.5	24.0	24.0	24.0	22.9	17.6	8.0	1.9	0.0	0.0	0.0	0.0

Highest Maximum At 2 Metres 29.8°C On 17*th*

Lowest Maximum At 2 Metres 17.3°C On 22*nd*.

Highest Minimum At 2 Metres 16.8°C On 9*th*.

Lowest Minimum At 2 Metres 6.3°C On 25*th*

Absolute Minimum Temperature At 5 cms. Above Dry Soil 3.0 °C On 25*th*.

" " " " " Wet Soil — —

" " " " " Grass — —

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

GIZA — NOVEMBER 1961

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 millimeters		Evaporation in millimeters		Amount of rainfall in millimeters
	Mean of the day	Nigh 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	1.1	0.6	1.9	251	5.3	11.0	48	8	12	80	56	13.8	13.6	3.9	3.58	0.0
2	2.2	1.5	3.2	293	8.9	11.0	81	5	12	82	53	13.7	12.8	7.0	5.24	0.0
3	1.4	1.1	1.8	301	7.6	11.0	69	9	13	82	52	13.4	13.0	5.5	3.79	0.0
4	1.1	0.6	1.8	331	8.9	10.9	82	6	10	79	48	12.7	11.5	5.6	4.13	Tr.
5	1.2	0.6	2.0	311	9.2	10.9	84	7	10	77	48	11.6	10.8	6.1	3.84	0.0
6	1.5	1.2	2.1	323	9.3	10.9	85	7	11	81	46	12.5	11.6	6.6	3.65	0.0
7	1.4	1.1	1.7	290	6.8	10.8	63	10	14	86	48	12.8	12.4	2.0	2.90	0.0
8	1.6	1.0	2.4	307	8.7	10.8	81	8	17	86	64	15.7	15.6	4.7	4.08	0.0
9	1.8	1.5	2.2	268	7.2	10.8	67	9	14	89	52	14.8	13.0	6.0	5.01	0.0
10	1.9	1.3	2.7	336	9.9	10.8	92	5	11	77	50	11.7	11.2	6.2	3.76	0.0
11	0.8	0.2	1.5	336	10.0	10.7	93	6	11	81	52	11.7	11.2	4.7	3.60	0.0
12	1.3	0.1	2.9	328	9.9	10.7	93	8	10	76	35	11.0	8.8	9.6	5.08	0.0
13	2.5	1.9	3.2	307	8.4	10.7	78	8	11	78	32	10.5	8.6	10.4	5.95	0.0
14	1.9	1.4	2.6	298	8.5	10.7	79	9	13	86	45	13.0	11.8	8.3	4.45	0.0
15	2.7	2.6	2.9	311	9.5	10.6	90	2	11	80	49	14.0	12.8	6.9	5.48	0.0
16	2.3	2.0	2.8	307	9.2	10.6	87	5	11	74	38	11.9	10.4	8.4	5.09	0.0
17	1.1	1.3	0.8	309	8.3	10.6	78	9	13	90	33	10.5	9.5	5.2	3.04	0.0
18	1.1	0.3	2.2	328	9.8	10.6	92	0	0	64	32	9.0	8.5	9.2	4.06	0.0
19	1.4	1.1	1.9	319	9.2	10.6	87	0	1	63	30	9.2	7.7	7.2	5.00	0.0
20	0.3	0.1	0.6	324	9.5	10.6	90	7	8	72	33	9.8	8.7	7.5	3.93	0.0
21	2.2	0.9	4.1	257	7.0	10.5	67	0	0	62	71	9.3	11.9	9.5	4.82	Tr.
22	2.6	2.2	3.1	279	6.0	10.5	57	0	1	66	42	6.6	5.8	6.3	3.98	0.0
23	1.6	0.6	2.8	246	6.9	10.5	66	4	10	69	50	7.2	7.3	5.4	2.96	0.0
24	2.5	1.0	4.6	315	9.6	10.5	91	6	8	67	23	5.5	3.7	11.7	5.08	0.0
25	2.6	2.2	3.3	292	7.8	10.5	74	2	4	66	26	5.8	4.0	7.2	3.79	0.0
26	1.6	0.5	3.1	284	9.4	10.4	90	7	11	70	50	8.1	8.9	6.6	2.80	0.0
27	1.3	0.6	2.4	239	7.4	10.4	71	5	11	78	56	9.8	10.1	4.7	2.35	0.0
28	1.7	0.9	2.9	264	9.5	10.4	91	5	11	80	53	10.2	9.9	5.2	2.92	0.0
29	2.0	1.2	3.1	280	9.3	10.4	89	7	12	81	51	9.9	9.9	5.9	3.25	0.0
30	2.5	1.7	3.6	283	8.5	10.4	82	9	13	83	32	9.5	6.9	7.7	4.99	0.0
Total	—	—	—	8917	255.5	319.8	2397	173	294	—	—	—	—	201.2	122.60	Tr.
Mean	1.7	1.1	2.5	297.2	8.5	10.7	80	5.8	9.8	77	45	10.8	10.1	6.7	4.09	0.0

Maximum Amount Of Rainfall In One Day . . . . . Tr. mms. On 4th & 21st

Lowest Value Of Relative Humidity . . . . . 21 % On 24th

Highest Value Of Vapour Pressure . . . . . 16.9 mms. On 8th

Lowest Value Of Vapour pressure . . . . . 3.2 mms. On 24th

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

TAHRIR — NOVEMBER 1961

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 millimeters		Evaporation in millimeters		Amount of rainfall in millimeters
	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	3.6	3.2	4.2	293	8.7	11.0	79	6	13	86	56	14.4	13.6	6.1	—	Tr.
2	2.9	1.4	5.0	328	9.7	10.9	89	10	14	88	53	14.2	13.1	6.9	—	0.0
3	3.4	3.1	3.9	351	10.0	10.9	98	8	11	83	44	12.8	10.5	8.1	—	0.0
4	3.1	2.8	3.6	282	8.2	10.9	75	1	8	78	50	11.9	11.2	6.2	—	0.0
5	1.7	1.1	2.4	325	10.0	10.8	93	1	8	74	48	11.3	10.4	5.8	—	0.0
6	2.0	1.7	2.6	323	9.4	10.8	88	4	12	82	50	12.9	12.2	5.2	—	0.0
7	2.0	1.7	2.4	327	8.9	10.8	82	8	14	92	48	13.5	11.8	5.0	—	0.0
8	2.4	2.1	2.7	249	5.0	10.8	46	13	16	92	64	15.2	15.7	3.9	—	0.0
9	3.1	2.7	3.7	280	8.4	10.8	78	9	10	86	47	13.9	12.3	6.8	—	Tr.
10	3.8	3.0	4.7	292	9.8	10.7	92	2	9	76	46	11.4	10.5	7.9	—	0.0
11	2.2	2.4	1.9	324	10.3	10.7	96	6	10	76	43	10.9	9.5	4.2	—	0.0
12	1.9	1.0	3.2	309	10.1	10.7	94	6	12	82	49	12.1	11.4	5.7	—	0.0
13	2.5	1.5	4.0	291	8.5	10.7	79	8	13	80	53	12.8	13.1	6.5	—	0.0
14	2.3	1.9	2.7	285	7.8	10.6	74	13	16	97	50	13.8	12.7	4.5	—	0.0
15	—	—	—	266	7.0	10.6	66	13	16	91	61	15.2	15.3	5.1	—	0.0
16	2.9	2.5	3.6	272	8.2	10.6	77	9	12	81	35	12.4	9.6	8.6	—	0.0
17	1.7	1.9	1.5	285	8.4	10.6	79	8	10	86	41	11.7	10.5	4.9	—	0.0
18	2.5	2.0	3.2	285	7.5	10.6	71	6	10	75	31	10.6	8.2	10.8	—	0.0
19	2.7	2.0	3.6	306	9.9	10.5	94	0	3	65	46	10.2	11.1	7.9	—	0.0
20	2.6	2.0	3.5	316	10.2	10.5	97	0	8	65	35	9.5	8.7	11.4	—	0.0
21	4.2	2.6	6.4	173	4.5	10.5	43	0	1	61	61	8.6	10.0	12.0	—	6.4
22	4.3	4.0	4.8	260	5.1	10.5	49	0	0	60	45	6.4	6.3	8.7	—	0.2
23	3.2	2.5	4.2	234	5.6	10.4	54	0	12	80	55	7.8	7.7	4.6	—	0.3
24	2.7	1.4	4.5	292	10.1	10.4	97	6	11	80	51	7.8	7.7	6.7	—	0.0
25	2.3	1.4	3.6	213	4.8	10.4	46	3	12	80	49	7.8	7.4	6.1	—	0.0
26	2.9	1.4	4.3	286	9.5	10.4	91	1	11	80	42	8.5	8.0	7.4	—	0.0
27	2.8	2.5	3.4	300	10.0	10.4	96	2	12	81	45	9.4	8.5	5.8	—	0.0
28	2.2	1.7	2.8	204	8.9	10.4	86	4	13	86	53	10.2	10.3	4.3	—	0.0
29	1.9	1.3	2.8	231	8.8	10.4	85	7	14	88	57	11.0	11.2	4.5	—	0.0
30	2.8	1.9	4.4	284	10.0	10.4	96	11	13	90	51	11.4	10.7	6.4	—	0.0
Total	—	—	—	8522	253.4	318.7	2410	165	324	—	—	—	—	198.0	—	0.9
Mean	2.7	2.1	3.6	284.1	8.4	10.6	80	5.5	10.8	82	49	11.3	10.6	6.6	—	—

Maximum Amount Of Rainfall In One Day . . . . . 0.4 mms. On 21*st*

Lowest Value Of Relative Humidity . . . . . 28 % On 18*th*

Highest Value Of Vapour Pressure . . . . . 16.7 mms. On 9*th*

Lowest Value Of Vapour Pressure . . . . . 5.5 mms. On 22*th*

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

GIZA—NOVEMBER 1961

Depth in cms.	Dry Soil		Wet Soil		Grass	
	Highest C°	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	42.5	2.8	27.7	4.7	26.7	7.9
1	39.0	5.3	26.8	5.0	24.5	9.6
2	37.7	6.4	25.8	5.4	23.0	10.8
5	31.5	10.5	25 2	7.5	22.5	10.8
10	27.6	15.0	23.1	9.7	22.5	12.6
20	26.0	19.2	21.6	12.2	21.8	15.3
50	26.8	22.3	21.3	16.6	22.4	18.2
100	27.9	25.0	21.9	19.2	23.5	20.6
200	28.2	27.0	22.8	21.9	24.0	23.2
300	27.3	26.9	—	—	—	—

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

TAHRIR—NOVEMBER 1961

Depth in cms.	Dry Soil		Wet Soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	36.8	4.8	—	—	—	—
1	35.6	5.1	—	—	—	—
2	34.6	5.8	—	—	—	—
5	31.3	7.5	—	—	—	—
10	29.3	10.0	—	—	—	—
20	25.8	13.6	—	—	—	—
50	24.1	18.0	—	—	—	—
100	25.0	21.2	—	—	—	—
200	26.4	24.3	—	—	—	—
300	26.6	25.3	—	—	—	—
600	25.8	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—NOVEMBER 1961

10 knots or more . .	22 Days	30 knots or more . .	0 Days
15 ,, ,, ,,	5 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	1 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	0 ,,	The highest gust 26 knots on 21 st.	

Printed at the General Organization
for Government Printing Offices Cairo
Under-Secretary of State
ALY SULTAN ALY
Chairman of the Board of Directors

12382-1968-150

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 4 NUMBER 12

DECEMBER, 1961

U.D.C. 551. 506.1 (62)

MINISTRY OF SCIENTIFIC RESEARCH – METEOROLOGICAL DEPARTMENT
CAIRO

CONTENTS

Page

General Summary of Weather Conditions . . . . . 1 – 5

Surface Data

Table A 1.—Monthly Mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level . . . . . 6 • 7

„ A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours . . . . . 8 • 9

„ A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity . . . . . 10•11

„ A 4.—Maximum and Minimum Air Temperatures . . . . . 12•13

„ A 5.—Rainfall and Snow Depth . . . . . 14•15

„ A 6 .—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 16

„ A 7.—Soil Temperatures at Fixed Hours 17–19

„ A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena . . . . . 20•21

„ A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges . . . . . 22•23

„ A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 24–46

Upper Air Data

Table B 1.—Upper Air Climatological Data. 47–49

„ B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air . . . . . 50•51

„ B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces 52–57

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir 58

Table C 1—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields. . . . . 59•60

„ C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall . . . . . 61•62

„ C 3.—Extreme Soil Temperatures at Different Depths in Different Fields 63

„ C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity 64

Note :—For explanatory notes on tables, please refer to volume 4 number 1 (January 1961).

GENERAL SUMMARY OF WEATHER CONDITIONS

DECEMBER 1961

Rather mild daytime, cold night-time. Rainy and thundery Delta and Cairo areas throughout the 1st and 2nd weeks. Stormy and dusty on the 21st. Misty in the early morning over Delta and Cairo areas during clear periods.

THE MAIN FEATURES

— Three consecutive cold waves, the 2nd of which was pronounced and rather severe round the 12th.

— Abnormal rise in relative humidity through the 1st half of the month over the coastal areas and during the whole month over Middle Egypt.

— Subnormal oscillatory pressure field. Six travelling Mediterranean depressions from west to east, the 1st four of which originated over Central Mediterranean and the last two originated over West Mediterranean.

— Abnormally high monthly rainfall. Heavy rainfall associated with thunderstorms and hail round the periods (4th — 6th) and (11th — 13th) during which daily amounts reached or exceeded 10 mms. in many places.

— Occasional gales and widespread dust or sandstorms on the 21st in general.

— Early morning mist over Cairo area most of the 1st and last weeks.

GENERAL DESCRIPTION OF WEATHER

During this month, the prevailing weather was mild daytime, cold night-time. Maximum and minimum temperatures ranged between 17°C and 22°C and between 7°C and 13°C respectively in the northern parts of the Republic and ranged between 20°C and 27°C and between 3°C and 11°C respectively in the southern parts. Three consecutive cold waves of short durations intervened this month and severe cold was experienced round the periods (4th — 5th), (11th and 12th) and (21st and 22nd). On the 12th maximum temperature reached 14°C (7.5°C below normal) at Cairo, 17°C (6°C below normal) at Minya ; while on the 22nd it reached 18°C (7°C below normal) at Aswan.

During the three cold intervals, rain fell in variable amounts over the northern districts though it extended sontherly till Upper Egypt during the 1st and 2nd waves. The monthly rainfall exceeded generally its normal and the daily rainfall was heavy in particular in the periods (4th —6th) and (11th — 13th) and attained 10 mms. or more in many places. Thus on the 5th : 12mms, 26mms, 48mms and 12mms of rain fell over Alexandria, Damietta, Port Said & Kafr El Dawar respectively ; and on the 12th : 30 mms, 27 mms, 12 mms and 16 mms of rain fell over Dabaa, Dekheila, Giza and Helwan respectively. Rainfall during these periods was accompanied with thunderstorms and hail over the Mediterranean disrtict and extended inland till Cairo in the south.

On the 21st, dusty weather prevailed all over the Republic and occasional gales were reported over scattered places. Early morning mist developed over Delta and Cairo areas in many occasions during this month.

The monthly mean values of various meteorological elements for different districts and their deviations from their corresponding normals are given in the following table.

District	Atmospheric pressure (mb.) Corrected to M.S.L.			Air temperature (°C)						Relative humidity (%)			Total rainfall (mms)	
				Maximum (A)		Minimum (B)		(A+B)/2						
	Derivation of the mean values (a,c)	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Derivation of the mean values (a,e)	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	a	15.0	— 2.9	20.0	0 0	10.8	— 0.3	15.4	— 0.2	a	68	—4	64.8	+26.6
Lower Egypt	c	16.1	— 1.7	21.2	— 0.1	9.2	+ 0.3	15.2	+ 0.1	c	82	—2	33.4	+18.4
Cairo Area	a	16.4	— 1.8	20.1	— 0.5	9.6	+ 0.2	14.8	— 0.2	a	59	—8	17.2	+ 8.8
Upper Egypt	a	16.9	— 0.8	22.8	— 0.2	8.0	— 0.4	15.4	— 0.3	a	52	—6	2.5	+ 0.8
Western Desert	a	17.4	— 1.2	22.5	+ 0.6	5 8	— 1.1	14.2	— 0.2	a	47	—10	1.1	+ 0.1
Red Sea	a	15.9	— 0.6	23·1	— 0.3	13.6	— 0.4	18.4	— 0.4	a	52	—7	3.3	+ 1.0

a= the 24 hours mean. c= 4 main synoptic hours mean. e= 06 & 18 U.T. hours mean.

PRESSURE DISTRIBUTION

The characteristic pressure systems of the surface map this month can be summarized in the following :

— The deep Atlantic low pressure systems traversing Europe and Russia from the west to the east, north latitude 50 °N and its deep reflection aloft up to the 300 mb. level.

— The Siberian anticyclone in advance, east of the Black Sea and its southwest ridge over Asia Minor.

— The Atlantic anticyclone in the rear, west Spain and its southeast ridge spreading over North Africa .

— The Sudan trough of low pressure.

During this month, the Mediterranean Sea was a cyclogenetic area, where six secondary depressions originated ; the first four of which developed over Central Mediterranean round the 1 st, 6th, 14th and 17th respectively and the last two developed over West Meditrranean round the 23 rd and 27th respectively.

The first secondary depression traversed East Mediterranean rapidly and reached Cyprus by the 3rd where it was stationary on the 4th, then it amalgamated with northern arm of the Sudan trough of low pressure, resulting in a closed and rather deep low over the northern part of the Red Sea on the 5th and 6th.

The second secondary depression followed an eastward track towards Cyprus, though it experienced two appreciable deepening processes, the 1st between the 6th and 8th in its way to Greece and the 2nd between the 11th and 13th at Cyprus.

The third secondary depression shooted rapidly through East Mediterranean while maintaining its intensity, reached Cyprus by the 16th, then it deviated through a N E track to the Black Sea where it filled up.

The fourh secondary Mediterranean depression originated over Central Mediterranean on the 17th and deepened appreciably while enlarging its cyclogenetic area ; and by the 20th it occupied both Central and East Mediterranean sectors. By the 21st it started to shrink rapidly and concentrate over Cyprus and by the 22nd it approached Iraq where it was stationary and started to decay rapidly.

The rest two secondary Mediterranean depressions originated over West Mediterranean on the 23rd and 27th and started an eastward track till Greece while deepening in their course. They approached Greece round the 25th and 30th respectively, then they followed a northeast track towards the Black Sea.

Accordingly the barometric pressure over East Mediterranean in general and Egypt in particular oscillated generally below its normal and ranged between 1006 and 1020 mbs in the mean.

SURFACE WIND

During this month, the prevailing winds were moderate/fresh W/SW in general. Moderate NE/E winds and fresh/strong E/SE winds blew far in advance and nearly in approach of the East Mediterranean travelling secondary depressions, while for short intervals moderate/fresh N W ly winds prevailed in their rear. Light winds and calms were frequent most of the night-time intervals and short parts of daytime intervals of this month over scattered localities of the Republic, particulary Upper Egypt and Western Desert districts.

Winds reached gale force at Sallum, Sidi Barrani, Mersa Matruh, Dabaa, Ghazza, Cairo and Almaza on the 21 st .

TEMPERATURE

Maximum temperature, this month, exceeded its normal value during two short periods at the beginning and end of the month and continued otherwise below its normal in general. Its values ranged between 17 °C and 22°C in the northern districts, 19°C and 25 °C in the middle districts and 20 °C and 27 °C in the far south districts. Prevailing cold waves were pronounced in the inland and far inland districts where severe cold was experienced.

The absolute maximum temperature for the Republic was 31.9 °C reported at Kom Ombo on the 2 nd.

Minimum temperature oscillated generally below its normal and its values ranged between 7 °C and 13 °C in the northern districts, 5 °C and 12 °C in the middle districts and between 3 °C and 11 °C in the southern districts. Nights of severe cold were frequent in Upper Egypt particularly during the 4th week.

The absolute minimum temperature of the Republic was — 1.8 °C reported at Dakhla on the 22nd·

PRECIPITATION

During this month rain fell round the periods (4th — 6th), (11th — 14th), (21 st — 24 th) and 31 st ; and was confined in general to the northern districts of the Republic. As an exception it extended far inland to the south up to Upper Egypt during the 1st and 2nd periods. The daily rainfall exceeded 10 mms. in many localities during the 4th, 5th, 6th, 11th and 12th.

The maximum fall in one day during the month was 47.7 mms. reported at Port Said on the 5th ; while the absolute monthly value was 134.5 mms. reported at Tolombat El Boseili in Lower Egypt district.

MISCELLANEOUS WEATHER PHENOMENA

Thunderstorms occurred at : Sallum on the 5th ; Mersa Matruh on the 4th and 10th ; Dekheila on the 12th ; Alexandria on the 6th, 12th and 13th ; Balteam on the 5th and 13th ; Damietta on the 5th, 13th and 14th ; Port Said on the 5th and 6th ; El Arish on the 4th ; Ghazza on the 4th, 5th, 13th and 14th ; Inshas, Cairo (A), Mostafa Helmi, Almaza, Abbasiya, Imbaba, Giza, Fayoum and Abu Redes on the 5th ; and at Tor on the 6th·

Mist patches developed at : Sidi Barrani on the 1 st ; Dabaa on the 12th ; Dekheila on the 28th and 29th ; Alexandria on the 1 st, 20th and 27th ; Balteam on the 29th ; Port Said on the 4th, 24th and 29th ; El Arish on the 20th and 31 st ; Mansoura on the 4th ; Tahrir on the 1 st, 2nd, 6th, 18th, 19th, 20th, 28th, 29th & 31st ; Shebin El Kom on the 2nd, 20th and 28th ; Abu Sueir on the 1st, 2nd, 4th, 5th, 6th, 15th, 18th, 19th, 20th, 24th, 25th, 30th & 31st ; Zaher on the (4th - 7th), 13th, 19th, 25th, & 31st ; Inshas on the 2nd, (4th - 7th) and 31 st ; Fayed on the 5th ; Kabrit on the 4th and 6th ; Cairo (A) on the (4th - 7th), 12th, 14th, 20th, 25th and 31st ; Mostafa Helmi on the 1st, (4th - 7th) and 31st ; Almaza on the (4th - 7th), 24th, 25th & 31st ; Abbasiya on the 2nd, 4th, 6th, 7th, 19th, 20th, 25th, and 29th ; Imbaba on the 2nd, 6th, 7th, 19th and 20th ; Giza on the 1st, 2nd, (4th-7th), 15th, 19th, 20th, 24th, 25th, 28th, 29th and 31st ; Helwan on the 7th, 13th and 31st ; Beni Suef on the 5th and 7th ; Minya on the 7th, 15th, 20th and 29th ; and at Asyout & Bahariya on the 7th.

Fog patches developed at : Dekheila on the 28th and 29th ; Alexandria on the 1st, 3rd, 27th, 28th and 29th ; Damietta on the 28th and 29th ; Port Said on the 28ht ; Ghazza on the 20th ; Mansoura on the 28th and 29th ; Tahrir on the 2nd ; Abu Sueir on the 5th and 29th ; Zaher on the 5th ; Wadi El Natrun on the 2nd, 28th and 29th ; Inshas on the 5th and

7th ; Kabrit on the 4th ; Cairo (A) and Almaza on the 5th ; Mostafa Helmi on the 2nd ; Imbaba on the 7th ; Giza on the 2nd, 7th, 20th, 29th, and 31 st ; Helwan on the 7th, 13th and 31 st ; Fayoum on the 31 st ; Minya on the 7th, 20th and 29th ; and at Asyout and Bahariya on the 7th.

Local rising sand or dust was reported at : Sallum on the 8th, 21st, 25th and 29th ; Sidi Barrani on the 20th and 21 st ; Mersa Matruh on the 9th, 20th and 21st ; Dabaa on the 8th, 9th and 21st ; Dekheila on the 9th, 10th and 21st ; Alexandria on the 9th and 21st ; Balteam and Damietta on the 21st ; Port Said on the 9th, 10th, 21st and 22nd ; El Arish on the 10th and 21st ; Ghazza on the 13th, 21st and 23rd ; Tahrir on the 8th, 21st and 22nd ; Shebin El Kom on the 8th, 9th and 21st ; Abu Sueir on the 8th, 9th, 10th and 22nd ; Zaher on the (7th — 10th), 12th and 20th ; Wadi El Natrun on the 9th and 21st ; Inshas on the (7th—12th), 14th, (20th—23rd), 26th and 27th ; Fayed on the 21st ; Cairo (A) on the (7th—11th), (13th—16th), 20th, 21st and 22nd ; Mostafa Helmi on the 8th, 9th, 10th, 21st and 22nd ; Almaza on the 9th, 10th, 20th, 21st and 22nd ; Abbasiya on the 9th, 21st and 22nd ; Imbaba on the 13th and 21st ; Giza and Helwan on the 21st ; Beni Suef on the 8th ; Asyout, Kom Ombo and Aswan on the 21st ; Luxor on the 12th ; Siwa on the 9th, 20th and 21st ; Farafra on the 12th and 21st ; Bahariya and Dakhla on the 21st ; Abu Redes and Tor on the 21st ; Hurghada on the 10th and 21st ; and at Quseir on the 13th, 21st and 31st.

Sand or duststorms blew over : Sallum, Sidi Barrani ; Mersa Matruh and Dabaa on the 21st ; Dekheila on the 21st and 22nd ; Alexandria on the 9th, 21st and 22nd ; Balteam, Port Said, Mansoura, Tahrir, Zaher, Inshas, Fayed, Kabrit, Cario (A) and Mostafa Helmi on the 21st ; and over Abu Sueir on the 21st and 22nd.

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DIRECTOR GENERAL
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Cairo 15 / 4 / 1970

Table A 1.—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO Hp AND TO MEAN SEA LEVEL

DECEMBER 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal	Altitude of the barometric cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.) 0000 U.T. Mean	0000 U.T. Dev. from normal	0600 U.T. Mean	0600 U.T. Dev. from normal	1200 U.T. Mean	1200 U.T. Dev. from normal	1800 U.T. Mean	1800 U.T. Dev. from normal
Mediterranean	Sallum	6.0	1014.5	—	1014.7	—2.7	1013.4	—3.0	1014.4	—2.6	5.2	1015.0	—	1015.2	—2.6	1013.9	—2.9	1014.9	—2.5
	Sidi Barrani	22.8	1011.6	—3.4	1011.9	—3.7	1010.5	—4.2	1011.6	—3.8	22.8	1014.4	—3.4	1014.7	—3.7	1013.3	—4.2	1014.4	—3.8
	Mersa Matruh (A)	30.0	1011.6	—2.6	1011.9	—2.3	1010.7	—2.5	1011.5	—2.5	30.0	1015.3	—2.6	1015.6	—2.3	1014.4	—2.5	1015.2	—2.5
	Dabaa	18.0	1012.8	—	1012.8	—	1011.9	—	1012.7	—	18.0	1014.8	—	1014.8	—	1013.9	—	1014.7	—
	Dekheila (A)	6.0	1015.2	—	1015.6	—3.0	1014.4	—3.0	1015.0	—	6.0	1015.8	—	1016.2	—3.0	1015.0	—3.0	1015.6	—
	Alexandria (A)	7.0	1014.7	—1.8	1015.1	—1.9	1013.9	—2.2	1014.6	—2.2	7.0	1015.5	—1.8	1015.9	—1.9	1014.7	—2.2	1015.4	—2.2
	Balteam	2.0	1015.1	—	1015.8	—	1014.3	—	1015.1	—	2.0	1015.3	—	1016.0	—	1014.5	—	1015.3	—
	Damietta	5.0	1014.8	—	1015.3	—2.3	1014.0	—2.2	1014.8	—2.0	5.0	1015.2	—	1015.7	—2.3	1014.4	—2.2	1015.2	—2.0
	Port Said (A)	7.4	1014.7	—1.7	1015.2	—1.8	1014.1	—1.7	1014.8	—1.9	7.4	1015.4	—1.7	1015.9	—1.8	1014.8	—1.7	1015.5	—1.9
	El Arish	10.7	1014.0	—1.8	1014.7	—2.1	1013.3	—2.5	1014.2	—2.0	10.7	1015.9	—1.8	1016.6	—2.1	1015.2	—2.5	1016.1	—2.0
	Ghazza	15.7	1014.0	—	1014.5	—	1013.2	—	1014.2	—	15.7	1015.9	—	1016.4	—	1015.1	—	1016.1	—
Lower Egypt	Mansoura	8.0	1015.8	—	1016.3	—1.5	1014.6	—1.3	1015.4	—1.6	8.0	1016.2	—	1016.7	—1.5	1015.0	—1.3	1015.8	—1.6
	Damanhour	6.7	1015.1	—	1015.5	—2.4	1014.4	—2.0	1014.7	—2.3	6.7	1016.0	—	1016.2	—2.6	1015.1	—2.0	1015.4	—2.2
	Gimmeiza	9.0	1015.1	—	1015.5	—1.6	1014.4	—1.4	1014.8	—1.6	9.0	1016.1	—	1016.5	—1.6	1015.4	—1.4	1015.8	—1.6
	Tanta	14.8	1013.9	—	1014.3	—3.1	1012.9	—2.8	1014.0	—2.8	14.8	1015.6	—	1016.0	—3.1	1014.6	—2.8	1015.7	—2.8
	Tahrir	16.0	1013.2	—	1014.0	—	1012.6	—	1013.4	—	16.0	1015.5	—	1016.2	—	1014.8	—	1015.6	—
	Shebin El Kom	13.1	1014.4	—	1015.2	—1.9	1013.5	—2.0	1014.4	—2.0	13.1	1015.9	—	1016.7	—2.0	1015.0	—2.1	1015.9	—2.1
	Zagazig	13.0	1015.0	—	1015.4	—1.8	1014.0	—1.6	1015.1	—1.5	13.0	1016.6	—	1017.0	—1.8	1015.6	—1.6	1016.7	—1.5
	Abu Sueir (A)	16.0	1014.7	—	1015.4	—	1013.6	—	1014.8	—	16.0	1016.7	—	1017.4	—	1015.5	—	1016.8	—
	Zaher (A)	23.5	1011.7	—	1012.4	—	1011.0	—	1011.6	—	23.5	1015.5	—	1016.2	—	1014.6	—	1015.3	—
	Wadi El Natrun	0.9	1016.9	—	1017.4	—1.2	1015.9	—1.1	1016.8	—1.3	0.9	1017.0	—	1017.5	—1.2	1016.0	—1.1	1016.9	—1.3
	Inshas (A)	25.5	1012.2	—	1012.7	—	1011.0	—	1012.0	—	25.6	1015.3	—	1015.8	—	1014.1	—	1015.1	—
	Fayed (A)	35.0	1014.2	—	1015.0	—	1013.2	—	1014.4	—	—	1016.9	—	1017.6	—	1015.8	—	1017.0	—
	Kabrit (A)	4.9	1015.2	—	1016.0	—	1014.0	—	1015.2	—	4.9	1016.6	—	1017.4	—	1015.4	—	1016.6	—
Cairo Area	Cairo (A)	74.5	1008.4	—2.0	1009.0	—2.1	1007.5	—2.1	1008.3	—2.2	74.5	1016.2	—2.0	1016.9	—2.0	1015.1	—2.1	1016.1	—2.2
	Mostafa Helmi (A)	164.0	995.6	—	996.6	—	996.0	—	996.7	—	164.0	1016.3	—	1016.7	—	1015.1	—	1016.2	—
	Almaza (A)	78.5	1006.5	—1.6	1007.3	—1.4	1005.6	—1.3	1006.5	—1.7	78.5	1016.0	—1.6	1016.7	—1.5	1014.9	—1.3	1015.9	—1.7
	Abbasiya (H.Q.)	26.4	1014.0	—	1014.8	—	1013.0	—	1013.9	—	26.4	1016.3	—	1017.0	—	1015.2	—	1016.1	—
	Imbaba (A)	19.0	1014.0	—	1014.9	—	1013.2	—	1014.0	—	19.0	1016.1	—	1017.0	—	1015.3	—	1016.1	—
	Giza	22.5	1013.8	—	1014.2	—2.4	1012.6	—2.4	1013.3	—2.5	22.5	1016.6	—	1017.0	—2.4	1015.4	—2.4	1016.1	—2.5
	Helwan	139.3	999.8	—	1000.5	—1.2	998.9	—1.3	999.8	—1.3	140.7	1017.2	—	1017.9	—1.2	1015.8	—1.2	1016.9	—1.4

Table A 1 (*contd.*).—MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO Hp AND TO MEAN SEA LEVEL

December 1961

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.)								Altitude of the barometric cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.)							
			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
Upper Egypt	Fayoum	31.5	1014.1	—	1014.9	—0.7	1012.8	—0.8	1013.7	—0.9	31.5	1017.2	—	1017.9	—0.7	1015.7	—0.9	1016.7	—0.9
	Beni Suef	30.0	1013.5	—	1014.2	—1.4	1012.3	—1.5	1013.1	—1.5	30.0	1017.1	—	1017.9	—1.3	1015.7	—1.5	1016.7	—1.4
	Minya (A)	40.5	1012.3	—0.8	1013.2	—0.9	1011.2	—1.2	1011.9	—1.3	40.5	1017.3	—0.9	1018.2	—1.0	1016.0	—1.2	1016.8	—1.3
	Asyout (Mangabad) (A)	69.6	1009.5	+1.0	1010.5	—0.5	1008.4	—0.3	1009.2	—0.5	69.6	1018.0	+1.1	1019.0	—0.4	1016.6	—0.2	1017.5	—0.5
	Nag Hammadi	70.5	1007.5	—	1009.6	—1.6	1007.0	—0.6	1008.1	—0.7	70.5	1016.0	—	1018.1	—0.6	1015.2	—0.7	1016.5	—0.8
	Kena	74.2	1008.3	—	1009.7	—0.2	1007.1	+0.1	1008.0	—0.2	74.2	1017.3	—	1018.7	—0.1	1015.7	+0.1	1016.8	—0.2
	Luxor (A)	88.5	1006.2	—0.5	1007.6	—0.5	1005.1	—0.5	1006.1	—0.6	88.5	1016.8	—0.5	1018.2	—0.4	1015.3	—0.5	1016.5	—0.6
	Kom Ombo	102.6	1004.4	—	1005.9	—	1003.1	—	1004.2	—	102.6	1016.8	—	1018.2	—	1015.0	—	1016.4	—
	Aswan (A)	193.5	993.0	—	994.6	—0.3	992.2	—0.2	993.2	—0.1	193.5	1016.3	—	1017.7	—0.5	1015.4	—0.2	1016.0	—0.2
Western Desert	Siwa	—13.5	1018.6	—2.6	1019.2	—2.8	1017.7	—2.6	1018.5	—2.6	—13.5	1016.7	—2.6	1017.4	—2.7	1016.0	—2.6	1016.7	—2.7
	Bahariya	129.5	1001.6	—	1002.1	—2.6	1000.4	—2.6	1001.4	—2.9	129.5	1017.2	—	1017.8	—2.4	1015.3	—2.6	1016.6	—3.2
	Farafra	91.8	1009.1	—	1010.1	—0.1	1008.8	+0.1	1009.3	0.0	91.8	1020.3	—	1020.9	0.0	1019.1	0.0	1019.8	—0.0
	Dakhla	111.5	1003.2	—	1004.6	—0.6	1002.3	—0.5	1002.7	—1.2	111.5	1016.8	—	1018.3	—0.5	1015.3	—0.5	1016.1	—1.0
	Kharga	72.8	1008.3	—	1009.5	—0.8	1007.2	—1.2	1008.1	—1.1	72.8	1017.1	—	1018.2	—0.8	1015.6	—1.2	1016.7	—1.1
Red Sea	Suez	11.0	1015.1	—	1015.9	—1.6	1014.3	—2.3	1015.2	—1.1	11.0	1016.3	—	1017.1	—1.6	1015.5	—2.3	1016.4	—1.1
	Ahu Redes	4.0	1015.4	—	1016.7	—	1014.9	—	1015.8	—	4.0	1015.8	—	1017.1	—	1015.3	—	1016.2	—
	Tor	4.2	1015.6	—	1016.5	—0.5	1014.7	—0.7	1015.6	—0.4	4.2	1016.0	—	1016.9	—0.5	1015.1	—0.7	1016.0	—0.4
	Hurghada	2.8	1015.8	+0.2	1016.9	+0.3	1014.7	—0.4	1015.9	+0.1	2.8	1016.0	+0.2	1017.1	+0.3	1014.9	—0.4	1016.1	+0.1
	Quseir	11.3	1014.4	—	1015.5	—0.4	1013.8	—0.8	1014.7	—0.4	11.3	1015.4	—	1016.5	—0.4	1014.8	—0.8	1015.7	—0.4
	Abul Kizan	5.0	1015.4	—	1016.0	—	1014.7	—	1015.4	—	5.0	1015.9	—	1016.5	—	1015.2	—	1015.9	—

Table A 2.—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS.

DECEMBER 1961

District	Station	Dry bulb temperature (°C)								Wet 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
Mediterranean	Sallum	13.6	—	12.7	−0.7	19.7	+0.5	16.0	+0.4	11.0	—	10.1	−0.5	13.4	−0.2	12.5	+0.3	71	—	70	+ 2	45	— 5	64	0
	Sidi Barrani	12.3	−0.8	11.8	+0.1	19.1	+1.0	15.0	+0.5	10.3	−0.1	10.0	+0.6	13.7	+0.5	12.0	+0.6	77	+ 7	78	+ 5	51	— 3	68	+ 2
	Mersa Matruh (A)	12.0	+0.1	11.9	−0.5	19.3	+0.5	14.1	−0.2	9.9	+0.1	9.9	−0.2	13.5	−0.3	11.3	−0.2	75	0	76	+ 3	49	— 5	69	— 1
	Dabaa	11.1	—	11.0	−1.3	19.5	+1.1	13.6	−0.7	8.9	—	8.5	−1.7	13.5	−0.2	10.5	−1.3	73	—	69	— 7	47	— 9	65	— 8
	Dekheila (A)	13.2	—	12.8	−1.8	19.4	+0.3	15.6	—	10.7	—	10.3	−1.5	14.2	−0.3	12.3	—	72	—	72	+ 2	53	— 5	65	—
	Alexandria (A)	12.9	−0.1	13.5	+0.1	19.8	+0.5	15.0	+0.4	11.4	0.0	11.6	−0.1	14.8	+0.3	12.6	0.0	83	+1	79	— 2	55	— 1	74	— 4
	Balteam	14.4	—	14.4	—	18.4	—	15.2	—	12.4	—	12.1	—	14.9	—	13.3	—	78	—	74	—	66	—	80	—
	Damietta	12.1	—	12.0	−1.4	19.3	+0.7	13.9	−0.7	11.0	—	10.7	—	15.0	+0.3	12.5	—	88	—	85	+ 1	61	— 2	85	+ 2
	Port Said (A)	14.5	−0.5	14.1	−1.0	17.8	−0.8	15.7	−0.5	12.8	−0.3	12.3	−1.3	14.4	−0.4	13.8	−0.5	82	+ 2	80	+ 2	67	+ 3	80	+ 3
	El Arish	12.2	+0.3	13.6	+0.2	19.7	+0.1	14.5	−0.4	10.1	−0.1	10.9	−0.8	14.6	−0.4	12.0	−0.2	75	— 5	70	— 4	54	— 4	73	+ 1
	Ghazza	12.8	—	13.3	—	18.2	—	15.1	—	10.0	—	10.3	−0.1	14.1	—	11.9	−0.3	68	—	66	—	60	—	66	—
Lower Egypt	El Sirw	12.2	—	12.8	−0.5	18.8	−1.2	13.5	−0.7	—	—	11.4	−0.4	14.5	−1.5	12.2	−0.4	—	—	85	+ 2	60	— 4	86	+ 3
	Sakha	12.5	—	12.8	−1.1	20.4	+0.2	14.1	+2.2	—	—	11.4	+0.8	16.1	+0.8	12.6	+1.8	—	—	85	— 2	62	+ 6	84	— 3
	Mansoura	10.4	—	11.5	−0.5	19.3	−1.2	12.8	−1.6	9.3	—	10.2	−0.2	14.4	−0.9	11.0	−1.4	87	—	85	+ 3	55	+ 1	80	+ 2
	Damanhour	11.3	—	12.0	+0.1	20.0	0.0	13.8	−0.5	—	—	10.6	+0.2	14.4	−0.4	11.7	−0.6	—	—	84	+ 2	51	— 3	77	— 1
	Gimmeiza	10.3	—	13.3	+1.3	20.2	0.0	13.8	+1.0	—	—	11.7	+0.9	15.8	+0.1	12.6	+0.9	—	—	82	— 4	61	+ 2	87	— 1
	Tanta	11.0	—	11.3	−0.6	20.0	−0.2	13.5	0.0	9.1	—	9.3	−1.2	14.6	−0.4	11.1	−0.6	76	—	76	— 8	53	— 1	73	— 7
	Tahrir	12.0	—	11.8	—	20.1	—	14.8	—	9.9	—	9.8	—	13.3	—	11.4	—	75	—	76	—	42	—	64	—
	Shebin El Kom	11.2	—	10.9	−0.8	20.9	+0.6	13.8	0.0	9.3	—	9.2	−0.8	15.1	+0.7	11.3	−0.2	77	—	79	— 1	51	+ 2	72	— 2
	Zagazig	11.9	—	11.7	−0.2	20.2	0.0	14.8	+0.9	—	—	9.9	−0.6	14.7	−0.7	12.3	0.0	—	—	79	— 5	52	— 5	73	— 9
	Abu Sueir (A)	11.5	—	12.0	—	20.3	—	14.6	—	9.5	—	9.8	—	13.8	—	11.5	—	76	—	74	—	44	—	67	—
	Zaher (A)	11.6	—	12.0	—	19.8	—	14.7	—	9.5	—	9.6	—	13.7	—	11.4	—	75	—	72	—	47	—	64	—
	Wadi El Natrun	12.0	—	11.7	−0.3	20.8	+0.4	14.5	−1.0	9.7	—	9.4	−0.7	13.6	−0.2	11.1	−0.9	73	—	73	— 5	40	— 4	63	0
	Inshas (A)	11.8	—	12.1	—	19.9	—	14.8	—	9.6	—	9.5	—	13.7	—	11.4	—	74	—	69	—	46	—	64	—
	Fayed (A)	11.2	—	13.5	—	20.9	—	14.4	—	8.9	—	10.9	—	14.3	—	11.4	—	72	—	71	—	44	—	67	—
	Kabrit (A)	12.1	—	12.4	—	20.2	—	14.9	—	9.8	—	10.0	—	13.8	—	11.8	—	73	—	60	—	45	—	67	—
Cairo Area	Cairo (A)	12.6	0.0	12.6	−0.2	19.2	−0.2	15.2	+0.1	9.6	−0.8	9.6	−0.9	12.9	−0.6	11.1	−0.9	66	— 9	66	— 8	44	— 4	57	—10
	Mostafa Helmi (A)	11.7	—	11.0	—	19.0	—	14.2	—	9.1	—	8.5	—	12.4	—	10.5	—	69	—	69	—	41	—	60	—
	Almaza (A)	11.9	−0.8	12.1	−0.7	19.4	−0.4	14.9	−0.5	8.8	−1.6	9.0	−1.4	13.0	−0.9	10.7	−1.4	64	—10	64	— 9	43	— 5	56	— 9
	Abbasiya (H. Q)	12.3	—	12.4	—	20.0	—	15.5	—	9.8	—	10.0	—	13.7	—	11.9	—	71	—	72	—	45	—	62	—
	Imbaba (A)	11.1	—	11.2	—	19.9	—	13.9	—	9.0	—	9.2	—	14.0	—	11.0	—	74	—	75	—	48	—	68	—
	Giza	10.7	—	11.2	+0.1	19.4	— 1.2	13.6	+0.1	9.1	—	9.4	−0.4	13.1	−1.3	10.8	−0.7	80	—	78	— 5	44	— 3	69	— 8
	Helwan	11.7	—	11.6	−0.7	18.9	— 0.4	14.5	−1.1	9.0	—	9.1	−0.4	13.0	+0.2	10.5	−0.7	68	—	70	+ 3	47	+ 6	57	+ 2

Table A2 (*contd*).--**MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES, AND THE RELATIVE HUMIDITY AT FIXED HOURS**

DECEMBER 1961

District	Station	Dry bulb temperature (°C)								Wet 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
Upper Egypt	Fayoum	11.2	—	10.9	—0.6	21.1	+0.2	14.2	+0.2	9.0	—	8.7	—0.5	14.0	0.0	10.9	—0.3	73	—	72	0	41	— 1	64	— 5
	Beni Suef	10.3	—	10.0	—1.2	20.9	—0.1	13.6	—0.1	7.6	—	7.4	—1.4	14.1	—0.5	10.2	—0.8	66	—	67	— 3	43	— 3	62	— 8
	Seds	9.9	—	9.9	—1.2	21.0	+0.1	13.0	—0.1	—	—	8.4	—1.4	14.5	—1.0	10.5	—1.4	—	—	80	— 4	45	— 8	72	— 9
	Minya (A)	8.7	—0.6	9.6	—0.5	21.4	+0.1	12.9	—0.4	7.2	—0.1	8.2	0.0	14.0	+0.3	10.5	+0.4	80	+6	82	+ 7	33	+ 1	73	+ 9
	Mallawi	7.6	—	8.1	—	21.5	—	10.8	—	—	—	7.4	—	15.0	—	9.5	—	—	—	91	—	46	—	84	—
	Asyout (Mangabad (A)	11.2	—0.2	10.4	—0.7	21.1	—0.1	15.0	—0.4	6.8	—1.4	6.6	—1.6	12.8	—0.3	9.4	—1.2	48	—13	53	—12	32	— 2	43	— 8
	Shandaweel	8.8	—	10.7	—2.1	22.2	—0.4	13.1	—1.0	—	—	8.8	—2.0	15.3	—0.7	11.3	—0.6	—	—	76	— 1	44	— 3	80	+ 4
	Nag Hammadi	9.5	—	13.5	+0.4	22.1	—0.5	15.0	+0.1	—	—	10.5	+0.1	15.5	—0.3	11.9	—0.3	—	—	66	— 3	64	+ 1	67	— 4
	Kena	11.2	—	12.5	—0.2	22.4	—0.4	15.4	—0.5	—	—	9.1	—0.7	15.1	—0.1	11.5	—0.5	—	—	61	— 6	42	+ 2	59	— 1
	Luxor (A)	9.9	—1.3	11.6	—1.7	23.0	—0.5	14.8	—1.4	7.3	—0.8	8.3	—1.4	14.6	—1.0	10.6	—0.6	67	+5	61	+ 1	35	— 3	56	+ 5
	Kom Ombo	9.8	—	13.5	—	24.1	—	15.5	—	7.4	—	9.7	—	14.7	—	10.7	—	69	—	58	—	31	—	51	—
	Aswan (A)	11.8	—	12.6	—2.6	23.1	—1.8	17.0	—2.8	7.5	—	8.1	—2.7	13.3	—1.8	10.1	—2.5	50	—	40	—14	26	— 4	35	— 3
Western Desert	Siwa	10.1	+0.5	9.1	+0.6	20.4	+0.7	14.2	+0.5	7.3	+0.1	6.7	+0.3	12.8	0.0	9.8	+0.1	56	—3	68	— 4	36	— 4	53	— 3
	Bahariya	9.7	—	8.9	—2.6	21.4	—1.1	14.8	+0.8	7.2	—	6.7	—2.2	13.2	—0.4	10.0	—0.4	68	—	71	+ 2	33	—10	51	—10
	Farafra	9.4	—	7.9	—1.7	21.3	+0.7	14.1	+0.2	5.8	—	4.8	—2.4	12.6	—1.3	8.7	—1.2	54	—	58	—10	29	—14	43	—14
	Dakhla	7.7	—	7.3	—2.8	22.0	+0.6	13.5	—2.1	4.4	—	4.2	—2.9	12.4	—1.3	8.2	—1.8	56	—	57	— 5	25	—12	43	— 1
	Kharga	9.0	—	11.6	—1.1	23.5	+0.7	13.7	—2.3	6.2	—	8.3	—1.2	14.8	—0.2	9.5	—1.6	63	—	61	— 2	33	— 6	54	+ 3
Red Sea	Suez	14.9	—	13.8	—0.2	20.0	—0.6	16.2	—0.1	—	—	11.5	+0.1	14.8	0.0	12.8	+0.1	—	—	74	+ 2	54	+ 4	65	+ 2
	Abu Redes	14.7	—	15.9	—	20.7	—	16.7	—	10.7	—	11.7	—	14.9	—	12.2	—	57	—	57	—	50	—	56	—
	Tor	13.2	—0.1	13.4	—1.4	21.3	—0.5	17.2	—0.3	9.7	—	9.7	—1.5	15.0	—2.0	12.5	—0.8	61	—	59	— 3	47	—12	55	— 5
	Hurghada	13.0	—	15.3	—0.6	22.0	+0.4	16.6	—0.7	9.2	—0.8	10.2	—1.6	14.5	—1.7	11.9	—1.6	57	—8	48	—10	39	—16	54	— 9
	Quseir	16.6	—	18.0	—1.3	22.6	—0.2	18.6	—1.4	12.2	—	12.7	—1.5	15.5	—2.0	14.1	—1.0	56	—	50	— 5	43	—13	58	— 2
	Abul Kizan	—	—	23.2	—1.0	24.0	—1.1	22.2	—1.0	—	—	18.1	—2.1	18.7	—1.7	17.5	—2.0	—	—	59	— 9	58	— 6	61	— 8

Table A3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

DECEMBER 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a, b, c, d	Station Pressure corrected to Hp		M.S.L. Pressure		Maximum (A)		Minimum (B)		(A+B) /2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a, b, c, d	Mean	Dev. from normal	Deriv. of the mean values, a, b, c, d.	Mean	Dev. from normal			
Mediterranean	Sallum	a	1014.3	—3.1	1014.8	—3.0	20.4	+0.1	11.8	+1.5	16.1	a	15.7	+1.1	a	11.9	+0.5	a	61	— 5
	Sidi Barrani	a	1011.5	—3.5	1014.3	—3.5	19.7	+0.3	9.8	—0.1	14.8	a	14.7	+0.2	a	11.7	+0.2	a	68	0
	Mersa Matruh (A)	a	1011.5	—3.5	1015.2	—3.5	20.0	+0.5	10.2	0.0	15.1	a	14.6	+0.2	a	11.3	—0.1	a	64	— 3
	Dabaa	a	1012.6	—	1014.6	—	20.2	+0.7	9.0	—0.3	14.6	a	14.1	+0.5	a	10.6	—0.7	a	62	—12
	Dekheila (A)	a	1015.1	—	1015.7	—	19.9	—0.4	10.9	—0.2	15.4	a	15.3	—	a	12.0	—	a	65	—
	Alexandria (A)	a	1014.6	—2.6	1015.4	—2.6	20.8	+0.7	10.8	—0.4	15.8	a	15.4	—0.1	a	12.6	—0.2	a	70	— 1
	Balteam	a	1015.1	—	1015.3	—	19.2	—	12.9	—	16.0	a	15.6	—	a	13.2	—	a	75	—
	Damietta	a	1014.8	—2.3	1015.2	—2.3	20.3	+0.1	10.5	0.0	15.4	a	14.4	+0.1	a	12.4	—0.4	a	78	— 6
	Port Said (A)	a	1014.7	—2.1	1015.4	—2.1	19.1	—0.5	12.9	—0.6	16.0	a	15.5	—0.9	a	13.3	—0.6	a	77	+ 3
	El Arish	a	1014.1	—2.1	1016.0	—2.1	21.0	—0.1	10.6	—0.8	15.8	a	15.1	—0.7	a	11.9	0.0	a	66	— 7
	Ghazza	a	1014.0	—	1015.9	—	19.3	—1.0	11.3	—0.3	15.3	a	15.1	—	a	11.8	—	a	65	—
Lower Egypt	El Sirw	—	—	—	—	—	20.3	—0.6	9.9	+0.6	15.1	c	14.3	+0.3	c	13.0	+0.6	e	86	+ 3
	Sakha	—	—	—	—	—	21.2	0.0	8.8	+0.7	15.0	c	15.0	+2.0	c	13.5	+1.7	e	84	— 3
	Mansoura	a	1015.5	—1.4	1015.9	—1.4	20.2	—1.0	8.0	—1.4	14.1	a	13.7	—0.4	a	11.3	—1.5	a	73	— 7
	Damanhour	c	1014.9	—2.2	1015.7	—2.1	21.4	+0.2	9.4	—0.4	15.4	c	14.3	+0.3	c	12.4	+0.2	e	80	0
	Gimneiza	c	1015.0	—1.4	1016.0	—1.4	21.5	+0.3	8.2	+0.5	14.8	c	14.4	+1.2	c	12.9	+0.9	e	84	— 3
	Tanta	a	1013.8	—2.8	1015.5	—2.9	20.9	—0.3	9.4	+1.4	15.2	a	14.3	+0.9	a	11.3	—0.2	a	67	—15
	Tahrir	a	1013.3	—	1015.5	—	21.4	—0.1	10.0	0.0	15.7	a	14.8	—	a	11.3	—	a	63	—
	Shebin El Kom	a	1014.3	—2.1	1015.8	—2.2	21.6	0.0	9.3	+0.2	15.4	a	14.5	+0.7	a	11.3	—0.4	a	65	—12
	Zagazig	c	1014.9	—1.5	1016.5	—1.5	21.1	—0.5	9.7	+1.5	15.4	c	14.6	+1.0	c	12.4	+0.3	e	76	— 7
	Abu Sueir (A)	a	1014.6	—	1016.6	—	20.5	—	9.6	—	15.0	a	14.8	—	a	11.2	—	a	62	—
	Zaher (A)	a	1011.7	—	1015.4	—	20.4	—	9.9	—	15.2	a	14.7	—	a	11.1	—	a	61	—
	Wadi El Natrun	a	1016.8	—1.1	1016.9	—1.1	22.2	+0.7	9.2	+0.1	15.7	a	15.1	+0.9	a	11.1	—0.3	a	58	—12
	Inshas (A)	a	1012.0	—	1015.1	—	20.6	—	10.2	—	15.4	a	14.8	—	a	11.2	—	a	62	—
	Fayed (A)	a	1014.2	—	1016.8	—	21.8	—	8.7	—	15.2	a	14.9	—	a	11.3	—	a	62	—
	Kabrit (A)	a	1015.1	—	1016.5	—	21.0	—	9.8	—	15.4	a	15.0	—	a	11.4	—	a	62	—
Cairo Area	Cairo (A)	a	1008.4	—1.6	1016.1	—1.7	20.1	—0.1	10.7	+0.5	15.4	a	15.0	—0.3	a	10.9	—1.0	a	57	— 7
	Mostafa Helmi (A)	a	996.7	—	1016.2	—	19.6	—	9.6	—	14.6	a	14.1	—	a	10.2	—	a	58	—
	Almaza (A)	a	1006.5	—2.0	1016.0	—2.0	20.3	—0.3	10.2	0.0	15.2	a	14.7	—0.7	a	10.5	—1.4	a	55	— 8
	Abbasiya H.Q.)	a	1013.9	—	1016.2	—	21.4	—	10.3	—	15.8	a	15.2	—	a	11.5	—	a	61	—
	Imbaba (A)	a	1014.0	—	1016.1	—	21.0	—	8.7	—	14.8	a	14.1	—	a	10.8	—	a	64	—
	Giza	a	1013.6	—2.2	1016.4	—2.2	20.6	—0.7	8.4	+0.7	14.5	a	13.8	+0.6	a	10.7	—0.7	a	66	—14
	Helwan	a	999.7	—1.2	1016.9	—1.4	19.5	—0.9	9.6	—0.6	14.6	a	14.3	—0.5	a	10.4	—0.8	a	59	— 3

a = the 24 hours mean. b = 8 synoptic hours mean. c = 4 main synoptic hours mean.

d = 06,12 & 18 U.T. hours mean. e = 06 & 18 U.T. hours mean

Table A3 (*contd.*)—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

DECEMBER 1961

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a, b, c, d	Station Pressure corrected to Hp		M.S.L. Pressure		Maximum (A)		Minimum (B)		(A+B)/2	Dry bulb			Wet bulb			Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal
			Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal		Deriv. of the mean values a, b, c, d	Mean	Dev. from normal	Deriv. of the mean values. a, b, c, d.	Mean	Dev. from normal			
Upper Egypt	Fayoum	a	1013.9	—0.7	1016.9	—0.7	22.2	+0.1	8.8	+0.5	15.5	a	14.6	+0.9	a	10.9	—0.1	a	60	—10
	Beni Suef	a	1013.3	—1.7	1016.8	—1.7	21.6	0.0	8.1	+1.0	14.8	a	13.9	+0.7	a	10.0	—0.9	a	58	—12
	Seds	—	—	—	—	—	22.6	0.0	7.2	+0.2	14.9	c	13.4	+0.2	c	11.3	—0.4	e	76	— 7
	Minya (A)	a	1012.2	—1.4	1017.1	—1.4	21.9	+0.2	6.5	—0.5	14.2	a	13.3	—0.7	a	10.1	—0.4	a	64	+ 2
	Mallawi	—	—	—	—	—	23.0	—	5.0	—	14.0	c	12.0	—	c	10.9	—	e	88	—
	Asyout (Mangabad) (A)	a	1009.4	—0.3	1017.8	—0.2	22.1	0.0	8.3	—0.3	15.2	a	14.7	—0.6	a	9.1	—1.4	a	43	— 8
	Shandaweel	—	—	—	—	—	24.2	+0.2	6.8	—1.0	15.5	c	13.7	—1.6	c	11.7	—1.3	e	78	+ 2
	Nag Hammadi	c	1008.0	—0.9	1016.4	—1.0	23.4	0.0	7.4	0.0	15.4	c	15.0	+0.5	c	11.8	+0.1	e	66	— 4
	Kena	c	1008.3	—0.1	1017.1	—0.1	24.2	—0.1	8.5	—0.5	16.4	c	15.4	+0.3	c	11.6	—0.1	e	60	— 4
	Luxor (A)	a	1006.3	—0.3	1016.7	—0.3	24.2	—0.1	6.8	—0.6	15.5	a	15.1	—1.1	a	10.4	—1.0	a	51	— 2
	Kom Ombo	a	1004.3	—	1016.5	—	25.3	—	6.1	—	15.7	a	15.4	—	a	10.5	—	a	50	—
	Aswan (A)	a	993.2	—0.5	1016.2	—0.5	24.0	—1.6	8.5	—3.3	16.2	a	16.2	—1.3	a	9.8	—1.8	a	38	— 7
Western Desert	Siwa	a	1018.5	—2.4	1016.7	—2.3	21.3	+0.8	7.4	+0.7	14.4	a	13.8	+1.0	a	9.4	+0.3	a	53	— 5
	Bahariya	a	1001.4	—2.6	1016.8	—2.5	22.0	+0.8	6.6	0.0	14.3	a	14.0	+0.9	a	9.5	—0.5	a	52	—13
	Farafra	a	1009.5	+0.1	1020.1	+0.2	21.5	—0.3	5.3	—0.6	13.4	a	13.5	+1.0	a	8.2	—0.4	a	43	—13
	Dakhla	a	1003.3	—0.7	1016.7	—0.6	23.0	+0.6	3.6	—3.3	13.3	a	12.9	—1.2	a	7.5	—2.0	a	40	—11
	Kharga	a	1008.3	—1.0	1016.9	—1.0	24.5	+1.1	5.9	—2.2	15.2	a	14.4	—0.5	a	9.5	—1.2	a	49	— 7
Red Sea	Suez	c	1015.1	—1.8	1016.3	—1.8	21.4	—0.5	10.6	+0.1	16.0	c	16.2	+0.8	c	13.3	+0.9	e	70	+ 2
	Abu Redes	a	1015.7	—	1016.1	—	21.6	—	12.1	—	16.8	a	17.1	—	a	12.5	—	a	55	—
	Tor	a	1015.6	—0.5	1016.0	—0.5	22.8	0.0	10.4	—0.3	16.6	a	16.6	+0.4	a	11.9	—0.5	a	54	— 7
	Hurghada	a	1015.8	—0.6	1016.0	—0.6	22.6	+0.9	10.8	—0.6	16.7	a	16.9	—0.4	a	11.6	—1.3	a	49	— 8
	Quseir	a	1014.6	—0.6	1015.6	—0.6	23.2	—0.9	15.4	—0.4	19.3	a	19.0	—0.5	a	13.7	—1.2	a	52	— 6
	Abul Kizan	c	1015.4	—	1015.9	—	25.3	—0.9	21.0	—0.8	23.2	c	22.6	—1.0	c	17.7	—2.0	e	60	— 8

a = the 24 hours mean. b = 8 synoptic hours mean. c = 4 main symoptic hours mean.

d = 06.12 & 18 U. T. hours mean. e = 06 & 18 U. T. hours mean.

Table A4. —MAXIMUM AND MINIMUM AIR TEMPERATURES

DECEMBER 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
Mediterranean	Sallum	24.9	28	15.3	11	0	0	0	0	0	16.1	6	8.4	23	7	0	0	0
	Sidi Barrani	25.2	28	15.1	11	1	0	0	0	0	15.5	13	7.0	19·29	17	0	0	0
	Mersa Matruh (A)	23.9	28	17.3	21	0	0	0	0	0	13.3	6	6.1	20	11	0	0	0
	Dabaa	23.3	28	17.3	21	0	0	0	0	0	13.8	6	4.8	20	20	0	0	0
	Dekheila (A)	23.5	2	16.7	21	0	0	0	0	0	15.8	1	7.1	26	12	0	0	0
	Alexandria (A)	25.6	2	17.2	21	1	0	0	0	0	15.7	31	6.0	20	11	0	0	0
	Balteam	23.4	1·2	15.1	21	0	0	0	0	0	17.5	1	10.6	23	0	0	0	0
	Damietta	25.0	3	13.6	12	0	0	0	0	0	16.7	1	6.8	26	14	0	0	0
	Port Said (A)	22.8	3	14.6	12	0	0	0	0	0	18.6	1	10.3	19	0	0	0	0
	El Arish	27.5	2	16.6	21	2	0	0	0	0	13.8	5	7.3	20	11	0	0	0
	Ghazza	26.9	2	16.0	21	2	0	0	0	0	14.3	3	8.2	25	5	0	0	0
Lower Egypt	El Sirw	25.5	3	14.0	12	1	0	0	0	0	17.0	1	5.5	26	16	0	0	0
	Sakha	26.0	1	15.5	21	1	0	0	0	0	12.9	6	5.0	20	19	0	0	0
	Mansoura	24.4	3	13.6	12	0	0	0	0	0	12.4	6	3.6	19	21	5	0	0
	Damanhour	25.1	2	16.1	21	1	0	0	0	0	12.3	4	6.6	19·20	19	0	0	0
	Gimmeiza	26.0	2·3	15.0	12	2	0	0	0	0	12.0	6·14	4.0	26	20	2	0	0
	Tanta	25.2	2	15.2	12	1	0	0	0	0	12.6	6	4.6	20	14	1	0	0
	Tahrir	25.6	2	16.9	21	1	0	0	0	0	12.9	4·16	6.2	20	13	0	0	0
	Shebin El Kom	26.5	1	15.5	12	3	0	0	0	0	12.6	4	6.0	20	17	0	0	0
	Zagazig	26.7	2	13.7	12	2	0	0	0	0	13.0	16	7.0	20	17	0	0	0
	Abu Sueir (A)	26.3	2	16.3	12	3	0	0	0	0	12.9	9	5.7	26	14	0	0	0
	Zaher (A)	25.8	29	15.1	12	1	0	0	0	0	12.7	16	6.6	29	11	0	0	0
	Wadi El Natrun	28.1	29	17.6	21	4	0	0	0	0	13.1	6	5.2	26	18	0	0	0
	Inshas (A)	26.3	29	14.2	12	2	0	0	0	0	13.0	16	6.2	19	10	0	0	0
	Fayed (A)	27.9	29	17.9	21	5	0	0	0	0	12.5	4	2.9	28	15	6	0	0
	Kabrit (A)	27.6	29	17.3	21	2	0	0	0	0	13.0	4·5	5.2	26	15	0	0	0
Cairo Area	Cairo (A)	25.0	2	14.2	12	0	0	0	0	0	13.5	14·30	7.5	19	9	0	0	0
	Mostafa Helmi (A)	26.2	2	14.1	12	1	0	0	0	0	12.8	4·6	6.6	25	20	0	0	0
	Almaza (A)	25.9	2	13.7	12	1	0	0	0	0	13.2	16	7.2	29	10	0	0	0
	Abbasiya (H. Q)	28.7	2	14.6	12	3	0	0	0	0	14.4	16	7.0	29	10	0	0	0
	Imbaba (A)	26.6	2	13.4	12	1	0	0	0	0	11.7	13	3.6	20	21	3	0	0
	Giza	26.0	2	13.5	12	1	0	0	0	0	12.1	13	4.2	29	20	5	0	0
	Helwan	26.3	2	12.7	12	2	0	0	0	0	13.0	1	6.4	26	16	0	0	0

* More than 3 days.

Table A 4 (*contd.*)—MAXIMUM AND MINIMUM AIR TEMPERATURES

DECEMBER 1961

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		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°
Upper Egypt	Fayoum	27.5	2	17.5	12·21	4	0	0	0	0	13.3	1	5.2	26	21	0	0	0
	Beni Suef	27.3	2	15.2	12	3	0	0	0	0	11.5	13	4.4	20·26	22	4	0	0
	Seda	28.0	2	17.5	12	3	0	0	0	0	12.0	14	2.5	19·20	25	8	0	0
	Minya (A)	28.0	2	17.4	12	4	0	0	0	0	11.5	13	2.3	24	27	9	0	0
	Mallawi	27.4	2	19.0	12·21	5	0	0	0	0	10.6	13	1.4	20	30	14	0	0
	Asyout (Mangabad) (A)	27.5	2	17.8	23	7	0	0	0	0	13.7	14	4.7	20	24	1	0	0
	Shandaweel	29.6	3	19.0	21	10	0	0	0	0	11.0	3	3.2	20	29	6	0	0
	Nag Hammadi	28.0	2	17.3	21	7	0	0	0	0	11.4	3	4.0	24·25,26	28	4	0	0
	Kena	29.6	3	19.0	21	8	0	0	0	0	14.3	4	5.1	23	23	0	0	0
	Luxor (A)	29.1	1	19.0	21	11	0	0	0	0	13.0	3	2.0	20	25	10	0	0
	Kom Ombo	31.9	2	20.0	22	15	2	0	0	0	14.7	3	2.0	20	28	12	0	0
	Aswan (A)	29.8	2	18.5	22	10	0	0	0	0	15.0	3	4.0	26	24	3	0	0
Western Desert	Siwa	26.1	29	17.6	21	1	0	0	0	0	12.8	9	1.2	25	23	7	0	0
	Bahariya	27.3	29	17.5	12	5	0	0	0	0	12.3	4	2.0	24	23	12	0	0
	Farafra	27.4	2	17.4	11·23	4	0	0	0	0	12.5	6	0.7	26	28	13	0	0
	Dakhla	29.2	2	18.0	23	9	0	0	0	0	9.2	6	−1.8	22	31	20	5	0
	Kharga	30.4	2,30	19.5	21	10	2	0	0	0	10.4	3	1.8	24	29	10	0	0
Red Sea	Suez	25.1	1	18.1	21	1	0	0	0	0	15.1	9	6.4	26	12	0	0	0
	Abu Redes	25.6	2	18.2	21	2	0	0	0	0	15.1	3	7.8	19	5	0	0	0
	Tor	28.2	9	17.5	21	5	0	0	0	0	14.2	4	7.6	23·25	15	0	0	0
	Hurghada	26.7	3	19.9	21	3	0	0	0	0	15.2	4	8.0	3	12	0	0	0
	Quseir	26.3	2	20.3	23·24	3	0	0	0	0	20.2	2	11.5	25	0	0	0	0
	Abul Kizan	27.7	30	23.0	22	17	0	0	0	0	23.5	1	18.4	22	0	0	0	0

Table A 5.— RAINFALL AND SNOW DEPTH

DECEMBER 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total Amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	<0.1	≥0.1	≥1.0	≥5.0	>10	>25	≥50		
Mediterranean	Sallum	69.9	+48.8	31.6	11	0	6	5	3	2	2	0	0	—
	Sidi Barrani	45.6	+ 7.7	27.2	4	3	5	4	3	1	1	0	0	—
	Mersa Matruh (A)	20.7	—13.0	7.7	13	0	7	4	2	0	0	0	0	—
	Dabaa	59.2	+21.3	30.2	12	1	6	5	3	3	1	0	0	—
	Dekheila (A)	58.2	+29.7	27.3	12	0	12	6	3	2	1	0	0	—
	Alexandria (A)	60.0	+ 3.3	12.3	5	0	12	8	6	3	0	0	0	—
	Balteam	108.4	—	30.8	6	0	14	12	8	2	1	0	0	—
	Damietta	52.9	+28.2	25.8	5	0	13	8	2	1	1	0	0	—
	Port Said (A)	78.4	+56.3	47.7	5	1	7	5	3	2	1	0	0	—
	El Arish	16.4	— 2.8	3.7	31	0	8	6	0	0	0	0	0	—
	Ghazza	116.4	—25.4	35.0	13	1	8	8	6	5	2	0	0	—
	Ras El Hikma	41.4	—	19.7	12	0	5	5	2	2	0	0	0	—
	Fuka	75.8	+52.8	17.0	13	0	12	12	6	2	0	0	0	—
	Hammam	33.0	+ 6.0	33.0	12	0	1	1	1	1	1	0	0	—
	Borg El Arab	61.0	+24.0	36.0	13	0	5	5	3	2	1	0	0	—
	Amria	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mex	55.4	+ 4.4	22.4	12	0	13	10	3	2	0	0	0	—
	Tolombat El Tabia	50.5	— 2.5	15.0	14	1	10	10	5	1	0	0	0	—
	Kom El Tarfaia	100.7	+56.7	22.0	22	0	11	11	8	5	0	0	0	—
	Rosetta L.H.	100.3	+53.3	21.0	5	2	12	12	7	4	0	0	0	—
	Borollos L.H.	121.4	+78.4	25.5	6	0	12	12	9	6	1	0	0	—
	Damietta L.H.	56.5	+28.5	34.0	6	0	8	7	3	2	1	0	0	—
Lower Egypt	El Sirw	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	38.9	+32.9	20.5	6	0	6	5	2	1	0	0	0	—
	Mansoura	16.6	+ 5.7	6.4	13	0	6	4	1	0	0	0	0	—
	Damanhour	31.2	+11.0	16.3	13	2	7	6	2	1	0	0	0	—
	Gimmeiza	23.0	+15.8	13.0	13	1	3	3	2	1	0	0	0	—
	Tanta	32.2	+22.4	20.5	13	0	7	5	2	1	0	0	0	—
	Tahrir	13.1	+ 5.7	4.7	6	0	6	4	0	0	0	0	0	—
	Shebin El Kom	13.6	+ 4.5	4.3	12	0	6	5	0	0	0	0	0	—
	Zagazig	15.5	+10.2	11.4	13	0	5	2	1	1	0	0	0	—
	Abu Sueir (A)	12.7	—	4.9	13	1	6	4	0	0	0	0	0	—
	Banha	—	—	—	—	—	—	—	—	—	—	—	—	—
	Zaher (A)	6.2	—	4.6	13	0	5	1	0	0	0	0	0	—
	Wadi El Natrun	10.8	— 7.7	6.6	12	0	4	3	1	0	0	0	0	—
	Inshas (A)	6.3	—	3.6	14	0	5	2	0	0	0	0	0	—
	Fayed (A)	6.8	—	3.2	12	2	3	2	0	0	0	0	0	—
	Kabrit (A)	21.0	—	11.1	12	1	5	3	2	1	0	0	0	—
	Gabal El Asfar	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delta Barrage	—	—	—	—	—	—	—	—	—	—	—	0	—
	Tolombat El Boseili	134.5	+94.5	37.9	21	1	11	11	6	5	1	0	0	—
	Kafr El Dawar	37.0	— 5.0	12.0	5	0	8	8	3	1	0	0	0	—
	Kafr El Sheikh	47.0	+32.0	23.0	6	0	7	7	4	1	0	0	0	—
	Kafr El Zayat	43.5	+32.5	28.4	13	0	5	4	3	1	1	0	0	—
	Faqus	11.3	+ 3.3	5.2	13	3	3	3	1	0	0	0	0	—
Cairo Area	Cairo (A)	19.8	+ 8.9	7.4	12	2	5	4	2	0	0	0	0	—
	Mostafa Helmi (A)	13.0	—	7.3	12	0	6	3	1	0	0	0	0	—
	Almaza (A)	11.8	+ 2.6	7.2	12	0	5	5	1	0	0	0	0	—
	Abbasiya (H.Q.)	18.6	—	12.3	12	0	5	3	1	1	0	0	0	—
	Imbaba (A)	12.1	—	8.2	12	1	4	3	1	0	0	0	0	—
	Giza	17.7	+11.3	12.4	12	2	5	2	1	1	0	0	0	—
	Helwan	19.5	+12.4	16.0	12	1	5	3	1	1	0	0	0	—

Table A 5 (*contd.*)—RAINFALL AND SNOW DEPTH

DECEMBER 1961

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from normal	Maximum fall in one day		Number of days with amount of rain							Maximum depth	Date
				Amount	Date	< 0.1	≥ 0.1	≥ 1.0	≥ 5.0	≥ 10	≥ 25	≥ 50		
Upper Egypt	Shakshouk	—	—	—	—	—	—	—	—	—	—	—	—	—
	Fayoum	11.0	+ 5.0	5.0	12	1	3	3	1	0	0	0	0	—
	Beni Suef	10.2	+ 5.5	5.6	13	1	2	2	1	0	0	0	0	—
	Seds	2.0	+ 0.8	1.5	12	0	2	1	0	0	0	0	0	—
	Minya (A)	2.2	+ 1.4	1.5	5	2	2	1	0	0	0	0	0	—
	Mallawi	tr.	—	tr.	6·12	2	0	0	0	0	0	0	0	—
	Mangabad (A)	tr.	0.0	tr.	6·12	2	0	0	0	0	0	0	0	—
	Shandaweel	tr.	— 0.8	tr.	5·6	2	0	0	0	0	0	0	0	—
	Nag Hammadi	0.0	— 3.2	0·0	—	0	0	0	0	0	0	0	0	—
	Kena	0.0	— 1.0	0.0	—	0	0	0	0	0	0	0	0	—
	Luxor (A)	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0	—
	Kom Ombo	0.0	—	0.0	—	0	0	0	0	0	0	0	0	—
	Aswan (A)	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0	—
Western Desert	Siwa	1.2	— 1.8	1.2	11	2	1	1	0	0	0	0	0	—
	Bahariya	2.0	+ 0.4	1.7	11	0	2	2	0	0	0	0	0	—
	Farafra	2.2	+ 2.2	2.2	11	0	1	1	0	0	0	0	0	—
	Dakhla	tr.	+ tr.	tr.	12	1	0	0	0	0	0	0	0	—
	Kharga	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0	—
Red Sea	Suez	9.0	+ 4.3	5.0	12	1	3	3	1	0	0	0	0	—
	Abu Redes	7.2	—	4.2	12	0	4	3	0	0	0	0	0	—
	Tor	7.3	+ 5.3	5.6	13	1	2	2	1	0	0	0	0	—
	Hurghada	0.0	— 1.8	0.0	—	0	0	0	0	0	0	0	0	—
	Quseir	0.0	— 0.8	0.0	—	0	0	0	0	0	0	0	0	—
	Abul Kizan	0.0	— 2.2	0.0	—	0	0	0	0	0	0	0	0	—

Table A 6—BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT & BLACK BULB TEMPERATURES AND GRASS MINIMUM

December 1961

District	Station	Duration of bright sunshine (hours)			Mean sky cover (octas)								Mean daily evaporation Piche (millimetres	Mean maximum temp. (°C) of		Mean grass minimum (°C)
		Total actual	Total possible	Percentage %	0000 U.T.		0600 U.T.		1200 U.T.		1800 U.T.			Black bulb thermometer	Bright bulb thermometer	
					Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal	Mean	Dev. from normal				
Mediterranean	Sallum	—	—	—	2.2	—	3.1	—	4.0	—	1.8	—	6.4	—	—	—
	Sidi Barrani	—	—	—	—	—	3.3	—	3.9	—	2.7	—	7.0	—	—	—
	Mersa Matruh (A)	180.3	313.7	57.5	1.6	—	3.6	—	3.7	—	2.9	—	7.7	—	—	—
	Dabaa	—	—	—	—	—	2.3	—	3.1	—	2.4	—	4.8	—	—	—
	Dekheila (A)	—	—	—	2.6	—	3.1	—	3.4	—	3.1	—	5.1	—	—	—
	Alexandria (A)	220.6	315.6	69.9	3.2	—	4.4	—	4.3	—	3.7	—	3.4	—	—	—
	Balteam	—	—	—	—	—	3.5	—	4.6	—	3.5	—	2.6	—	—	—
	Damietta	—	—	—	—	—	2.8	—	3.3	—	1.6	—	1.9	—	—	—
	Port Said (A)	214.8	315.6	68.1	1.5	—	2.7	—	3.0	—	1.7	—	4.3	—	—	—
	El Arish	—	—	—	2.1	—	3.5	—	3.6	—	2.2	—	4.2	—	—	8.9
	Ghazza	195.5	313.7	62.3	2.8	—	3.6	—	4.0	—	2.2	—	5.9	—	—	10.8
Lower Egypt	El Sirw	—	—	—	—	—	2.8	—	3.3	—	1.3	—	2.1	—	—	—
	Sakha	—	—	—	—	—	2.9	—	3.8	—	3.0	—	2.6	—	—	8.6
	Mansoura	—	—	—	—	—	1.9	—	2.8	—	—	—	2.4	—	—	—
	Damanhour	—	—	—	—	—	2.5	—	2.9	—	1.9	—	1.6	—	—	—
	Gimmeiza	(198.2)	(306.6)	(64.6)	—	—	2.2	—	3.2	—	0.8	—	2.9	—	—	—
	Tanta	221.7	316.8	70.0	—	—	2.5	—	3.1	—	1.4	—	3.3	51	30	—
	Tahrir	248.1	316.8	78.3	—	—	2.3	—	3.2	—	1.7	—	5.1	—	—	8.5
	Shebin El Kom	—	—	—	—	—	2.7	—	3.3	—	1.6	—	2.1	—	—	—
	Zagazig	—	—	—	—	—	2.8	—	3.6	—	2.1	—	2.4	—	—	—
	Abu Sueir (A)	—	—	—	2.0	—	3.3	—	3.8	—	2.0	—	6.5	57	—	7.5
	Zaher (A)	—	—	—	—	—	2.5	—	3.2	—	1.0	—	6.3	—	—	—
	Wadi El Natrun	—	—	—	—	—	3.0	—	2.8	—	0.9	—	4.8	—	—	—
	Inshas (A)	—	—	—	0.4	—	2.5	—	2.7	—	1.1	—	6.0	—	—	—
	Fayed (A)	—	—	—	—	—	2.5	—	3.4	—	1.2	—	7.1	—	—	—
	Kabrit (A)	—	—	—	—	—	2.5	—	3.4	—	1.2	—	6.8	—	—	—
Cairo Area	Cairo (A)	—	—	—	1.5	—	2.8	—	3.1	—	1.0	—	7.3	—	—	—
	Mostafa Helmi (A)	—	—	—	1.0	—	2.5	—	3.0	—	1.2	—	5.8	—	—	—
	Almaza (A)	223.9	317.8	70.4	1.2	—	3.1	—	2.9	—	0.9	—	5.3	—	—	—
	Abbasiya (H.Q.)	215.3	317.8	67.7	0.8	—	2.4	—	3.1	—	1.4	—	3.5	59	32	—
	Imbaba (A)	—	—	—	—	—	2.7	—	3.0	—	—	—	4.2	—	—	—
	Giza	217.6	317.4	68.5	—	—	2.7	—	2.9	—	0.9	—	3.5	—	—	4.5
	Helwan	—	—	—	1.3	—	2.9	—	2.9	—	1.2	—	6.7	—	—	—
Upper Egypt	Fayoum	—	—	—	—	—	2.9	—	2.8	—	1.0	—	3.0	—	—	—
	Beni Suef	—	—	—	—	—	2.9	—	2.2	—	0.3	—	2.6	—	—	6.3
	Seds	—	—	—	—	—	2.0	—	1.3	—	0.5	—	2.4	—	—	0.6
	Minya (A)	—	—	—	0.7	—	2.0	—	2.3	—	0.8	—	4.1	55	31	3.8
	Mallawi	—	—	—	—	—	1.7	—	1.5	—	0.0	—	1.2	—	—	4.2
	Asyout (Mangabad) (A)	—	—	—	0.4	—	1.5	—	1.6	—	0.7	—	6.6	—	34	6.9
	Shandaweel	230.6	315.6	73.1	—	—	1.9	—	1.8	—	0.8	—	2.6	—	—	—2.6
	Nag Hammadi	—	—	—	—	—	0.9	—	1.0	—	0.9	—	2.9	—	—	6.9
	Kena	—	—	—	—	—	1.3	—	1.1	—	0.3	—	3.4	—	—	7.5
	Luxor (A)	—	—	—	0.0	—	1.2	—	1.7	—	0.6	—	4.6	54	34	3.8
	Kom Ombo	—	—	—	—	—	0.8	—	1.2	—	0.9	—	5.8	—	—	4.3
	Aswan (A)	—	—	—	0.2	—	1.1	—	1.6	—	0.4	—	8.8	—	—	—
Western Desert	Siwa	—	—	—	1.0	—	2.2	—	2.8	—	1.2	—	6.0	62	34	5.9
	Bahariya	—	—	—	0.8	—	1.9	—	2.3	—	0.8	—	5.6	—	—	—
	Farafra	—	—	—	0.6	—	1.5	—	1.6	—	0.3	—	7.2	—	—	—
	Dakhla	—	—	—	0.2	—	1.5	—	1.3	—	0.5	—	7.2	—	36	—1.9
	Kharga	—	—	—	0.0	—	1.2	—	1.5	—	0.2	—	4.8	—	—	3.3
Red Sea	Suez	—	—	—	—	—	2.1	—	2.9	—	1.4	—	4.4	—	—	—
	Abu Redes	—	—	—	—	—	2.2	—	2.7	—	0.9	—	6.1	—	—	—
	Tor	—	—	—	0.9	—	1.9	—	2.1	—	1.4	—	5.6	—	—	—
	Hurghada	—	—	—	1.2	—	1.6	—	1.6	—	1.2	—	10.0	—	—	—
	Quseir	—	—	—	0.4	—	1.7	—	2.1	—	0.9	—	11.2	—	—	—
	Abul Kizan	—	—	—	—	—	3.0	—	2.5	—	2.5	—	5.6	—	—	—

Note : Actual number of sunshine records at Gimmeiza was 30 days only.

Table A7. — SOIL TEMPERATURES (°C) AT FIXED HOURS

DECEMBER 1961

District	Station	Depth in centimetres	0000 U.T. Mean	0000 U.T. Highest Value	0000 U.T. Highest Date	0000 U.T. Lowest Value	0000 U.T. Lowest Date	0600 U.T. Mean	0600 U.T. Highest Value	0600 U.T. Highest Date	0600 U.T. Lowest Value	0600 U.T. Lowest Date	1200 U.T. Mean	1200 U.T. Highest Value	1200 U.T. Highest Date	1200 U.T. Lowest Value	1200 U.T. Lowest Date	1800 U.T. Mean	1800 U.T. Highest Value	1800 U.T. Highest Date	1800 U.T. Lowest Value	1800 U.T. Lowest Date
MEDITERRANEAN	Mersa Matruh (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	17.8	20.5	1	15.5	25	17.5	20.1	2	15.0	25	17.6	20.2	2	15.7	25	17.6	20.4	2	15.1	30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	18.1	20.2	2,4,5	16.1	29	18.1	20.3	2	16.0	29	18.0	20.3	1,2	16.0	29	18.0	20.3	1	15.7	25
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LOWER EGYPT	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	17.9	19.5	*	15.6	28-29	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	19.4	20.8	1,2,3	18.0	24	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	16.7	19.5	7,8,9	14.5	21	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	19.6	21.5	1-2,3	18.0	26,30,31	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	11.3	14.8	4	8.3	20	14.7	18.8	1	12.0	21	14.0	17.[illegible]	4	11.7	21
		10	—	—	—	—	—	14.0	17.2	4	11.7	20,26	15.6	19.4	1	13.3	20,21	15.8	19.5	1	13.5	21
		20	—	—	—	—	—	14.2	17.2	1-4-5	12.2	26	14.4	17.5	1	12.3	26	14.9	18.0	1	12.7	26
		50	—	—	—	—	—	18.2	20.7	1.2	16.3	28	18.1	20.6	1	16.4	27,28	18.0	20.5	1	16.2	27
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS
DECEMBER 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
Lower Egypt (*contd.*)	Tahrir	5	—	—	—	—	—	11.2	14.7	4	8.2	20	21.5	26.2	3	17.2	13	15.3	18.3	3	13.0	12
		10	—	—	—	—	—	12.0	15.3	6	9.1	20	19.3	22.7	2	16.7	13	16.3	19.5	3	13.8	12
		20	—	—	—	—	—	14.2	17.2	6	11.8	20	16.4	18.5	1	14.6	26	17.3	19.7	1	15.6	21
		50	—	—	—	—	—	17.4	19.5	2	15.9	27	17.1	19.1	1	15.6	26,27	17.2	19.2	*	15.8	26
		100	—	—	—	—	—	19.7	21.3	1,2	18.3	29,30	—	—	—	—	—	19.7	21.3	2	18.3	28,29,30
		200	—	—	—	—	—	22.8	24.2	1.2	21.4	31	—	—	—	—	—	22.8	24,2	1,2	21.4	30·31
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	18.7	21.0	2·4	17.0	30	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	21.1	22.5	*	19.4	30	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	23.6	25.5	1	22.3	30,31	—	—	—	—	—	—	—	—	—	—
Cairo Area	Giza	5	—	—	—	—	—	11.4	15.8	4	8.4	20	20.9	26.0	2	14.2	12	16.2	19.1	2	13.2	12
		10	—	—	—	—	—	14.6	17.8	4	12.2	26	18.1	21.0	2	16.0	21	18.0	21.0	2	15.9	13
		20	—	—	—	—	—	17.9	20.4	1	16.1	26	17.8	20.3	1	16.2	28,29	18.5	21,0	1,2	16.9	26
		50	—	—	—	—	—	20.3	22.5	1·2	18.6	*	20.2	22.5	1	18.5	30	20.1	22,4	1·2	18.4	30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Upper Egypt	Seds	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	19.8	21.2	1	18.5	*	19.8	21.0	*	18.5	*	19.7	21.0	1,3	18.2	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—25
	Minya . . (A)	5	14.1	17.7	5	12.0	*	12.5	15.4	4	10.0	25,27	17.8	21.0	2	14.0	13	16.1	19.3	2	14.0	21·28
		10	16.5	19.0	4	14.0	27	15.2	18.0	4·6	13.0	26,30	17.7	20.0	2,3,4	15.3	26	17.8	20.4	2	14.7	28
		20	17.4	19.4	4	14.7	29	16.7	19.5	6	13.3	30	17.3	19.0	*	15.5	25	17,7	20.1	2	15.2	28
		50	18.9	20.6	7	17.0	27	18.8	20.6	4	17.2	26	18.8	21.0	5	17.0	25	18.8	21.0	5	17.3	25·
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

TABLE A 7 (*contd.*)— SOIL TEMPERATURES (°C) AT FIXED HOURS
DECEMBER 1961

District	Station	Depth in centimetres	0000 U.T.					0600 U.T.					1200 U.T.					1800 U.T.				
			Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest		Mean	Highest		Lowest	
				Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date		Value	Date	Value	Date
UPPER EGYPT (*contd.*)	Mallawi	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	16.1	17.5	1	14.4	30,31	16.1	17.5	1	14.4	30,31	16.1	17.5	1	14.4	30,31
		100	—	—	—	—	—	18.4	19.5	1,2	17.3	30,31	18.4	19.5	1,2	17.3	30,31	18.4	19.5	1,2	17.3	30,31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	18.0	19.5	1·2,3	16.3	27 28	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	20.2	21.5	2,3	19.0	*	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo	5	—	—	—	—	—	13.5	21.0	3	9.8	22,23	31 0	36.5	2	26.1	21	18.9	26.5	2	14.2	22
		10	—	—	—	—	—	17.1	22.0	3,4	14.2	22	22 0	26.5	12	18.8	26	20.6	25.5	2	17.1	16
		20	—	—	—	—	—	20.7	24.0	4	18.5	23,26	21.2	24.3	3	19.2	26	20.7	25.0	3	17.2	21
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 8 — FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

DECEMBER 1961

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunderstorm	Mist vis. ≥ 1000 metres.	Fog. vis. < 1000 metres	Haze vis. ≥ 1000 metrees	Thick haze vis. < 1000 metres.	Dust rising Sand rising vis. ≥ 1000 metres,	Duststorm / Sandstorm vis. < 1000 metres.	Drifting Snow: Slight moderate vis. below eye level ≥ 1000 metres	Drifting Snow: Heavy vis. below eye level < 1000 metres (snow storm)	Blowing Snow: Slight / moderate vis. below eye level ≥ 1000 metres	Blowing Snow: Heavy vis. below eye level < 1000 metres (snow storm)	Gales	Clear Sky	Cloudy Sky
Mediterranean	Sallum	6	0	0	0	—	1	0	0	0	0	4	1	0	0	0	0	1	10	0
	Sidi Barrani	5	0	0	0	—	0	1	0	0	0	2	1	0	0	0	0	1	—	—
	Mersa Matruh (A)	7	0	0	0	—	2	0	0	0	0	3	1	0	0	0	0	1	9	0
	Dabaa	6	0	0	0	—	0	1	0	0	0	3	1	0	0	0	0	1	—	—
	Dekheila (A)	12	0	0	0	—	1	2	2	0	0	3	2	0	0	0	0	0	11	2
	Alexandria (A)	11	0	0	0	—	3	3	5	0	0	2	3	0	0	0	0	0	8	7
	Balteam	15	0	0	0	—	2	1	0	0	0	1	1	0	0	0	0	0	—	—
	Damietta	13	0	0	0	—	3	0	2	0	0	1	0	0	0	0	0	0	—	—
	Port Said (A)	7	0	0	0	—	2	3	1	0	0	4	1	0	0	0	0	0	14	2
	El Arish	8	0	0	0	—	1	2	0	0	0	2	0	0	0	0	0	0	12	0
	Ghazza	8	0	0	0	—	4	0	1	0	0	3	0	0	0	0	0	1	9	3
Lower Egypt	El Sirw	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	6	0	0	0	—	0	1	2	0	0	0	1	0	0	0	0	0	—	—
	Damanhour	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	7	0	0	0	—	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	6	0	0	0	—	0	9	1	1	0	3	1	0	0	0	0	0	—	—
	Shebin El Kom	6	0	0	0	—	0	3	0	0	0	3	0	0	0	0	0	0	—	—
	Zagazig	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	6	0	0	0	—	0	13	2	2	0	4	2	0	0	0	0	0	12	3
	Zaher (A)	5	0	0	0	—	0	8	1	2	0	6	1	0	0	0	0	0	—	—
	Wadi El Natrun	4	0	0	0	—	0	0	3	1	0	2	0	0	0	0	0	0	—	—
	Inshas (A)	5	0	0	0	—	1	6	2	3	0	13	1	0	0	0	0	0	22	0
	Fayed (A)	3	0	0	0	—	0	1	0	0	0	1	1	0	0	0	0	0	—	—
	Kabrit (A)	5	0	0	0	—	0	2	1	0	0	0	1	0	0	0	0	0	—	—
Cairo Area	Cairo (A)	5	0	0	0	—	1	9	1	15	0	12	1	0	0	0	0	1	14	0
	Mostafa Helmi (A)	6	0	0	0	—	1	6	1	0	0	5	1	0	0	0	0	0	17	2
	Almaza (A)	5	0	0	0	—	1	7	1	12	0	5	0	0	0	0	0	1	16	0
	Abbasiya (H.Q.)	5	0	0	0	—	1	8	0	8	0	3	0	0	0	0	0	0	19	1
	Imbaba (A)	4	0	0	0	—	1	5	1	1	0	2	0	0	0	0	0	0	—	—
	Giza	5	0	0	0	—	1	14	5	7	0	1	0	0	0	0	0	0	—	—
	Helwan	5	0	0	0	—	0	3	3	1	0	1	0	0	0	0	0	0	19	1

Table A8 *(contd.)*.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA. DECEMBER 1961

District	Station	Precipitation				Frost	Thunderstorm	Mist vis. ≥ 1000 metres.	Fog vis. < 1000 metres.	Haze vis. ≥ 1000 metres.	Thick haze vis. < 1000 metres.	Dust rising / Sand rising vis. < 1000 metres.	Dust-storm / Sandstorm vis. < 1000 metres.	Drifting Snow		Blowing Snow		Gales	Clear Sky	Cloudy Sky
		Rain	Snow	Ice pellets	Hail									Slight/moderate vis. below eye level < 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)	Slight / moderate vis below eye level < 1000 metres	Heavy vis. below eye level < 1000 metres (snow storm)			
Upper Egypt	Fayoum	3	0	0	0	—	1	0	1	1	0	0	0	0	0	0	0	0	—	—
	Beni Suef	2	0	0	0	—	0	2	0	1	0	1	0	0	0	0	0	0	—	—
	Seds	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	2	0	0	0	—	0	4	3	12	0	0	0	0	0	0	0	0	24	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad) (A)	0	0	0	0	—	0	1	1	1	0	1	0	0	0	0	0	0	25	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor (A)	0	0	0	0	—	0	0	0	4	0	1	0	0	0	0	0	0	25	0
	Kom Ombo	0	0	0	0	—	0	0	0	0	1	1	0	0	0	0	0	0	—	—
	Aswan (A)	0	0	0	0	—	0	0	0	0	0	1	0	0	0	0	0	0	27	0
Western Desert	Siwa	1	0	0	0	—	0	0	0	0	0	3	0	0	0	0	0	0	19	0
	Bahariya	2	0	0	0	—	0	1	1	0	0	1	0	0	0	0	0	0	20	1
	Farafra	1	0	0	0	—	0	0	0	2	0	2	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	—	0	0	0	1	0	1	0	0	0	0	0	0	25	0
	Kharga	0	0	0	0	—	0	0	0	2	0	0	0	0	0	0	0	0	27	0
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	4	0	0	0	—	1	0	0	0	0	1	0	0	0	0	0	0	—	—
	Tor	2	0	0	0	—	1	0	0	3	0	1	0	0	0	0	0	0	20	1
	Hurghada	0	0	0	0	—	0	0	0	0	0	2	0	0	0	0	0	0	21	0
	Quseir	0	0	0	0	—	0	0	0	4	0	3	0	0	0	0	0	0	22	0
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table A 9.—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

DECEMBER 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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	1	2	1-10	33	15	7	6	2	19	41	66	84	37	13	22	345
					11-27	26	17	0	0	0	1	23	25	83	108	43	60	386
					28-47	0	0	0	0	0	0	1	0	0	3	3	0	7
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**59**	**32**	**7**	**6**	**2**	**20**	**65**	**91**	**167**	**158**	**59**	**82**	**738**
	Mersa Matruh (A)	5	0	0	1-10	14	6	8	5	9	18	30	24	40	14	7	14	189
					11-27	32	12	2	4	3	15	39	98	188	76	39	14	522
					28-47	0	0	0	0	0	0	5	0	21	1	1	0	28
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**46**	**18**	**10**	**9**	**12**	**33**	**74**	**122**	**249**	**91**	**47**	**82**	**739**
	Dekheila (A)	6	1	0	1-10	20	13	38	29	17	33	26	76	62	10	30	22	376
					11-27	26	19	3	13	2	2	6	106	98	13	30	34	352
					28-47	0	0	0	0	0	0	0	1	8	0	0	0	9
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**46**	**32**	**41**	**42**	**19**	**35**	**32**	**183**	**168**	**22**	**60**	**56**	**737**
	Alexandria (A)	9	1	0	1-10	30	27	41	29	26	24	28	56	44	14	20	21	360
					11-27	14	5	4	0	0	2	11	62	151	36	46	17	348
					28-47	0	0	0	0	0	0	0	0	18	8	0	0	26
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**44**	**32**	**45**	**29**	**26**	**26**	**39**	**118**	**213**	**58**	**66**	**38**	**734**
	Port Said (A)	13	1	28	1-10	15	11	17	34	14	9	13	58	80	66	35	22	374
					11-27	5	4	15	17	3	2	20	71	130	38	12	5	322
					28-47	0	0	0	0	0	0	0	1	5	0	0	0	6
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**20**	**15**	**32**	**51**	**17**	**11**	**33**	**130**	**215**	**104**	**47**	**27**	**702**
	El Arish	17	32	118	1-10	14	15	9	29	22	103	59	65	81	36	26	8	467
					11-27	0	0	0	1	0	0	4	12	80	13	0	0	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	**14**	**15**	**9**	**30**	**22**	**103**	**63**	**77**	**161**	**49**	**26**	**8**	**577**
Lower Egypt	Tanta	78	2	0	1-10	10	24	32	33	8	65	107	176	72	28	20	14	589
					11-27	0	2	1	0	0	1	4	54	10	1	1	2	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	**10**	**26**	**33**	**33**	**8**	**66**	**111**	**230**	**82**	**29**	**20**	**16**	**664**
	Abu Sueir (A)	81	0	0	1-10	12	19	26	14	18	15	44	66	129	42	11	15	411
					11-27	0	2	7	1	0	0	8	84	110	27	5	4	248
					28-47	0	0	0	0	0	0	0	4	0	0	0	0	4
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**12**	**21**	**33**	**15**	**18**	**15**	**52**	**154**	**239**	**69**	**16**	**19**	**663**
	Zaher (A)	46	18	0	1-10	10	16	18	17	14	28	57	79	81	48	18	18	404
					11-27	1	3	5	0	2	5	87	78	88	3	0	0	272
					28-47	0	0	0	0	0	0	0	4	0	0	0	0	4
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**11**	**19**	**23**	**17**	**16**	**33**	**144**	**161**	**169**	**51**	**18**	**18**	**680**

Table A 9 (*contd.*)—NUMBER IN HOURS OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION RECORDED WITHIN SPECIFIED RANGES

DECEMBER 1961

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unrecorded winds	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	
Cairo Area	Cairo . . . . . (A)	9	0	4	1-10	1	30	13	43	24	34	31	62	29	52	40	13	372
					11-27	0	2	7	3	0	43	135	105	45	9	0	0	349
					28-47	0	0	0	0	0	0	0	10	0	0	0	0	10
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**1**	**32**	**20**	**46**	**24**	**77**	**166**	**177**	**74**	**61**	**40**	**13**	**731**
	Mostafa Helmi . (A)	15	0	36	1-10	28	26	17	19	12	9	17	35	70	32	46	33	344
					11-27	5	14	11	2	0	2	10	84	112	72	16	15	343
					28-47	0	0	0	0	0	0	0	0	6	0	0	0	6
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**33**	**40**	**28**	**21**	**12**	**11**	**27**	**119**	**188**	**104**	**62**	**48**	**693**
	Almaza . . . . (A)	0	4	7	1-10	17	14	35	19	41	37	49	98	91	42	47	19	509
					11-27	0	0	6	6	2	0	28	79	60	40	3	0	224
					28-47	0	0	0	0	0	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**	**14**	**41**	**25**	**42**	**37**	**77**	**177**	**151**	**82**	**50**	**19**	**733**
	Abbasiya . . . (H Q)	189	9	1	1-10	14	22	2	1	1	53	239	80	38	38	18	8	514
					11-27	0	0	0	0	0	0	2	24	5	0	0	0	31
					28-47	0	0	0	0	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	**14**	**22**	**2**	**1**	**1**	**53**	**241**	**104**	**43**	**38**	**18**	**8**	**545**
	Giza	149	1	1	1-10	34	26	17	0	4	196	93	39	38	19	35	37	538
					11-27	0	2	1	0	0	2	18	20	9	3	0	0	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	**34**	**28**	**18**	**0**	**4**	**198**	**111**	**59**	**47**	**22**	**35**	**37**	**593**
Upper Egypt	Minya . . . . . (A)	48	57	0	1-10	64	36	4	0	3	147	68	32	45	66	27	84	576
					11-27	1	1	0	0	0	0	5	1	10	37	8	0	63
					28-47	0	0	0	0	0	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**	**37**	**4**	**0**	**3**	**147**	**73**	**33**	**55**	**103**	**35**	**84**	**639**
	Luxor . . . . . (A)	66	4	1	1-10	50	77	42	22	14	31	65	104	74	66	38	82	665
					11-27	0	0	0	0	0	0	0	0	0	5	3	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	**50**	**77**	**42**	**22**	**14**	**31**	**65**	**104**	**74**	**71**	**41**	**82**	**673**
Western Desert	Siwa	103	1	1	1-10	10	7	8	9	26	29	9	81	26	26	118	30	379
					11-27	1	12	0	2	1	2	5	58	10	14	111	43	259
					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	**11**	**19**	**8**	**11**	**27**	**31**	**14**	**139**	**36**	**40**	**230**	**73**	**639**
	Dakhla	14	51	22	1-10	11	16	24	31	19	19	9	28	55	119	172	81	584
					11-27	1	0	0	0	0	0	0	1	5	4	45	17	73
					28-47	0	0	0	0	0	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**	**16**	**24**	**31**	**19**	**19**	**9**	**29**	**60**	**123**	**217**	**98**	**657**
Red Sea	Hurghada	1	2	0	1-10	36	16	13	20	18	9	11	12	11	32	130	65	373
					11-27	72	1	0	0	0	0	0	2	3	13	174	99	364
					28-47	0	0	0	0	0	0	0	0	0	1	0	3	4
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**108**	**17**	**13**	**20**	**18**	**9**	**11**	**14**	**14**	**46**	**304**	**167**	**741**

Table A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS. SALLUM — DECEMBER 1961

Hour (U.T.)	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	0	0	0	0	0	0	0	5	3	0	9
				11-27	0	0	0	0	0	0	1	1	1	12	1	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	1	0	0	0	0	1	1	1	17	4	1	26
0300	2	0	0	1-10	1	0	0	0	0	0	0	1	0	3	2	3	10
				11-27	0	0	0	0	1	0	1	0	6	9	1	0	18
				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	1	0	0	0	1	0	1	1	6	12	4	3	29
0600	0	0	0	1-10	2	0	0	0	0	0	0	0	1	5	1	1	10
				11-27	0	0	0	0	0	0	2	0	6	11	2	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	2	0	0	0	0	0	2	0	7	16	3	1	31
0900	4	0	0	1-10	1	0	0	0	0	0	1	0	2	1	1	1	7
				11-27	0	1	0	0	0	0	2	1	4	10	0	0	18
				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	1	1	0	0	0	0	3	1	8	11	1	1	27
1200	0	0	0	1-10	0	1	2	1	0	0	2	0	0	2	1	1	10
				11-27	1	0	0	0	0	0	1	3	6	7	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	1	2	1	0	0	3	3	6	9	3	2	31
1500	1	0	0	1-10	3	0	2	2	0	0	0	0	1	4	1	0	13
				11-27	0	0	0	0	0	0	0	1	4	8	4	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	3	0	2	2	0	0	0	1	5	12	5	0	30
1800	2	0	0	1-10	4	0	0	1	1	0	0	0	0	4	2	0	12
				11-27	0	0	0	0	0	0	0	1	3	12	1	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	4	0	0	1	1	0	0	1	3	16	3	0	29
2100	3	0	0	1-10	0	1	0	1	0	0	0	0	1	7	2	1	13
				11-27	0	0	0	0	0	0	1	1	4	8	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	0	1	0	1	0	0	1	1	5	15	3	1	28

Table A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MERSA MATRUH (A) DECEMBER 1961

Hour (U.T.)	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	1	1	1	1	2	1	0	0	7
				11-27	0	1	0	0	0	1	0	7	10	2	2	0	23
				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**	**1**	**0**	**0**	**1**	**2**	**1**	**8**	**13**	**3**	**2**	**0**	**31**
0300	0	0	0	1-10	0	0	0	0	0	1	1	1	0	0	0	0	3
				11-27	2	0	0	0	0	1	0	8	13	3	0	0	27
				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**	**0**	**0**	**0**	**0**	**2**	**1**	**9**	**14**	**3**	**0**	**0**	**31**
0600	1	0	0	1-10	0	1	0	0	0	1	1	0	2	0	0	0	5
				11-27	1	0	0	0	0	2	0	6	13	1	0	0	23
				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	**1**	**1**	**0**	**0**	**0**	**3**	**1**	**7**	**16**	**1**	**0**	**0**	**30**
0900	0	0	0	1-10	0	0	0	0	1	0	0	1	0	2	0	1	5
				11-27	1	1	0	2	0	1	0	4	5	3	3	2	22
				28-47	0	0	0	0	0	0	1	1	2	0	0	0	4
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**1**	**1**	**0**	**2**	**1**	**1**	**1**	**6**	**7**	**5**	**3**	**3**	**31**
1200	0	0	0	1-10	2	0	0	1	0	1	0	0	7	1	0	1	13
				11-27	3	0	0	0	0	0	2	2	2	4	5	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	**5**	**0**	**0**	**1**	**0**	**1**	**2**	**2**	**9**	**5**	**5**	**1**	**31**
1500	0	0	0	1-10	3	1	1	0	1	0	1	2	1	1	1	0	12
				11-27	3	0	0	0	0	0	2	0	6	3	3	1	18
				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	**6**	**1**	**1**	**0**	**1**	**0**	**3**	**2**	**7**	**5**	**4**	**1**	**31**
1800	2	0	0	1-10	0	0	0	1	1	2	1	1	4	1	0	2	13
				11-27	1	0	0	0	0	0	1	5	4	2	3	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**	**0**	**0**	**1**	**1**	**2**	**2**	**6**	**8**	**3**	**3**	**2**	**29**
2100	0	0	0	1-10	0	0	1	0	0	1	3	2	2	2	0	0	11
				11-27	1	0	0	0	0	0	1	6	8	3	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	**1**	**0**	**1**	**0**	**0**	**1**	**4**	**8**	**10**	**5**	**1**	**0**	**31**

Table A 10—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

DEKHEILA (A) — DECEMBER 1961

Hour (U.T.)	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	1	1	1	1	0	6	6	0	1	0	21
				11-27	0	0	0	0	0	0	0	3	3	1	0	2	9
				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	1	1	1	1	0	9	10	1	1	2	31
0300	0	0	0	1-10	1	0	2	0	1	1	1	5	2	2	1	1	17
				11-27	2	0	0	0	0	1	0	5	1	1	1	2	13
				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	0	2	0	1	2	1	10	4	3	2	3	31
0600	0	0	0	1-10	0	0	2	0	1	1	3	5	3	2	0	1	18
				11-27	2	0	0	0	0	0	1	6	1	1	1	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	0	2	0	1	1	4	11	4	3	1	2	31
0900	0	0	0	1-10	0	1	1	1	0	1	3	1	1	2	1	0	12
				11-27	2	0	0	0	0	1	0	3	8	3	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	2	1	1	1	0	2	3	4	9	5	2	1	31
1200	0	0	0	1-10	1	0	0	0	1	1	1	1	0	2	2	2	11
				11-27	1	2	0	0	0	0	0	3	6	4	1	2	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	2	2	0	0	1	1	1	4	7	6	3	4	31
1500	0	0	0	1-10	3	0	0	1	3	0	0	0	7	1	2	1	18
				11-27	1	3	0	0	0	0	0	1	2	2	1	2	12
				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	0	1	3	0	0	1	10	3	3	3	31
1800	1	0	0	1-10	1	2	1	1	1	2	0	4	1	1	1	2	17
				11-27	2	1	0	0	1	0	0	2	3	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	3	3	1	1	2	2	0	6	4	2	3	3	30
2100	2	0	0	1-10	1	1	0	1	1	1	1	6	0	0	2	2	16
				11-27	1	1	0	0	0	0	0	3	3	2	1	1	12
				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	0	1	1	1	1	9	4	2	3	3	29

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ALEXANDRIA (A) — DECEMBER 1961

Hour (U.T.)	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	3	0	2	2	1	0	0	4	3	2	0	0	17
				11-27	0	0	0	0	0	0	2	4	3	2	0	0	11
				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	**3**	**0**	**2**	**2**	**1**	**0**	**2**	**8**	**6**	**6**	**0**	**0**	**30**
0300	1	0	0	1-10	2	1	1	1	2	0	4	1	3	0	0	1	16
				11-27	0	0	0	0	0	0	0	4	6	2	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	**2**	**1**	**1**	**1**	**2**	**0**	**4**	**5**	**9**	**3**	**0**	**2**	**30**
0600	0	0	0	1-10	1	0	2	0	1	3	2	2	3	0	0	1	15
				11-27	1	0	0	0	0	0	1	4	6	0	2	1	15
				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**	**0**	**2**	**0**	**1**	**3**	**3**	**6**	**10**	**0**	**2**	**2**	**31**
0900	0	0	0	1-10	0	1	0	2	2	0	1	1	1	0	1	0	9
				11-27	1	0	1	0	0	1	0	3	12	0	3	0	21
				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**	**1**	**1**	**2**	**2**	**1**	**1**	**4**	**14**	**0**	**4**	**0**	**31**
1200	0	0	0	1-10	1	1	0	1	1	0	2	1	0	2	1	1	11
				11-27	1	1	0	0	0	0	1	3	6	4	2	1	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	**2**	**2**	**0**	**1**	**1**	**0**	**3**	**4**	**7**	**6**	**3**	**2**	**31**
1500	0	0	0	1-10	2	3	0	2	1	0	0	0	2	2	1	1	14
				11-27	0	1	0	0	0	0	0	2	7	1	3	2	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**	**4**	**0**	**2**	**1**	**0**	**0**	**2**	**10**	**3**	**4**	**3**	**31**
1800	1	0	0	1-10	3	2	1	3	2	0	0	1	4	0	3	1	20
				11-27	1	0	0	0	0	0	0	2	2	2	2	0	9
				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**	**2**	**1**	**3**	**2**	**0**	**0**	**3**	**7**	**2**	**5**	**1**	**30**
2100	1	0	0	1-10	2	1	1	2	1	1	3	2	0	2	1	0	16
				11-27	0	0	0	0	0	0	0	4	6	0	1	1	12
				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	**2**	**1**	**1**	**2**	**1**	**1**	**3**	**6**	**6**	**4**	**2**	**1**	**30**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

PORT SAID (A) — DECEMBER 1961

Hour (U.T.)	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	2	0	0	1	0	2	1	3	4	0	0	13
				11-27	0	0	1	1	0	0	0	3	7	1	0	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	0	2	1	1	1	0	2	4	11	5	0	1	28
0300	3	0	0	1-10	0	1	0	0	1	1	0	1	4	1	2	0	11
				11-27	0	0	1	1	0	0	1	2	8	2	0	0	15
				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	1	1	1	1	1	1	3	14	3	2	0	28
0600	0	0	0	1-10	1	0	1	1	0	0	1	3	1	4	0	0	12
				11-27	0	0	0	1	0	0	1	4	9	2	0	0	17
				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	1	0	1	2	0	0	2	7	12	6	0	0	31
0900	0	0	0	1-10	1	0	0	2	0	0	0	6	2	2	1	0	14
				11-27	0	0	0	1	0	0	0	2	11	2	0	0	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	1	0	0	3	0	0	0	8	14	4	1	0	31
1200	0	0	0	1-10	0	1	0	3	0	0	1	2	6	5	2	2	22
				11-27	0	1	0	0	0	0	0	1	3	2	1	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	2	0	3	0	0	1	3	9	7	3	3	31
1500	2	0	0	1-10	1	0	3	2	0	1	0	3	4	2	0	3	19
				11-27	2	0	0	0	0	0	0	2	3	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	3	0	3	2	0	1	0	5	7	4	1	3	29
1800	3	0	0	1-10	0	1	1	2	1	0	1	1	1	6	2	2	18
				11-27	0	0	1	0	0	0	2	4	3	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	1	2	2	1	0	3	5	4	6	2	2	28
2100	2	0	0	1-10	0	0	1	1	0	2	0	1	6	5	1	0	17
				11-27	0	0	1	0	0	0	2	5	2	2	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	1	0	2	2	6	8	7	1	0	29

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

EL ARISH — DECEMBER 1961

Hour (U.T.)	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	1	0	1	1	11	3	3	3	0	0	0	23
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**1**	**0**	**1**	**1**	**11**	**4**	**3**	**6**	**0**	**0**	**0**	**27**
0300	5	0	0	1-10	0	0	0	1	1	7	5	0	7	0	0	0	21
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**0**	**1**	**1**	**7**	**5**	**1**	**11**	**0**	**0**	**0**	**26**
0600	2	0	0	1-10	0	0	1	1	1	9	5	3	5	0	0	0	25
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**1**	**1**	**1**	**9**	**5**	**3**	**9**	**0**	**0**	**0**	**29**
0900	2	0	0	1-10	0	0	0	2	0	2	5	4	6	2	0	0	21
				11-27	0	0	0	0	1	0	0	0	7	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**	**1**	**2**	**5**	**4**	**13**	**2**	**0**	**0**	**29**
1200	0	0	0	1-10	2	2	1	0	0	0	1	2	1	2	7	3	21
				11-27	0	0	0	0	0	0	0	0	5	4	0	0	9
				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**	**2**	**1**	**0**	**0**	**0**	**1**	**2**	**6**	**7**	**7**	**3**	**31**
1500	3	0	0	1-10	0	2	2	2	0	3	0	1	3	9	2	1	25
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**2**	**2**	**2**	**0**	**3**	**0**	**2**	**4**	**10**	**2**	**1**	**28**
1800	8	0	0	1-10	0	1	0	2	0	6	1	4	6	2	0	0	22
				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**	**1**	**0**	**2**	**0**	**6**	**1**	**4**	**7**	**2**	**0**	**0**	**23**
2100	3	0	0	1-10	0	0	0	1	3	6	5	7	2	0	0	0	24
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**0**	**1**	**3**	**6**	**5**	**7**	**6**	**0**	**0**	**0**	**28**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS GHAZZA — DECEMBER 1961

Hour (U.T.)	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	1	0	1	5	8	8	0	0	0	0	0	23
				11-27	0	0	0	0	0	3	1	0	0	0	0	1	5
				28-47	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
				All speeds	**0**	**1**	**0**	**1**	**5**	**11**	**10**	**2**	**0**	**0**	**0**	**1**	**31**
0300	0	0	0	1-10	0	0	0	2	2	10	12	0	0	0	0	0	26
				11-27	0	0	0	0	0	0	2	0	0	0	0	0	2
				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	**0**	**0**	**0**	**2**	**2**	**10**	**14**	**0**	**3**	**0**	**0**	**0**	**31**
0600	0	0	0	1-10	0	0	0	3	0	11	12	0	0	0	0	0	26
				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	2	0	0	0	2
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**0**	**3**	**0**	**12**	**12**	**2**	**2**	**0**	**0**	**0**	**31**
0900	0	0	0	1-10	0	1	0	0	1	4	5	6	5	3	0	0	25
				11-27	0	0	0	0	0	0	0	0	4	1	0	0	5
				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**	**1**	**0**	**0**	**1**	**4**	**5**	**6**	**10**	**4**	**0**	**0**	**31**
1200	0	0	0	1-10	2	1	0	0	1	0	1	2	8	3	1	4	23
				11-27	0	0	0	0	0	0	0	1	6	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	**2**	**1**	**0**	**0**	**1**	**0**	**1**	**3**	**14**	**4**	**1**	**4**	**31**
1500	1	0	0	1-10	3	2	0	2	0	2	3	1	3	4	1	1	22
				11-27	0	0	0	0	0	0	0	2	2	4	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**	**0**	**2**	**0**	**2**	**3**	**3**	**5**	**8**	**1**	**1**	**30**
1800	0	0	0	1-10	0	0	2	5	8	4	4	1	0	6	0	0	24
				11-27	0	0	0	0	0	0	1	1	1	3	0	0	6
				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**	**0**	**2**	**5**	**8**	**4**	**5**	**2**	**1**	**4**	**0**	**0**	**31**
2100	0	0	0	1-10	0	0	1	4	2	8	9	0	0	0	0	0	24
				11-27	0	0	0	1	1	1	2	0	0	0	0	1	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	**0**	**0**	**1**	**5**	**3**	**9**	**11**	**0**	**1**	**0**	**0**	**1**	**31**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ABU SUEIR (A) — DECEMBER 1961

Hour (U.T.)	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	1	0	1	0	3	8	0	0	0	14
				11-27	0	0	0	0	0	0	2	6	2	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	**1**	**0**	**0**	**1**	**0**	**1**	**2**	**9**	**10**	**0**	**0**	**0**	**24**
0300	8	0	0	1-10	0	0	2	0	0	1	1	3	7	0	0	0	14
				11-27	0	0	0	0	0	0	1	5	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	**0**	**0**	**2**	**0**	**0**	**1**	**2**	**8**	**10**	**0**	**0**	**0**	**23**
0600	10	0	0	1-10	0	0	0	1	0	1	3	3	3	2	0	0	13
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**0**	**1**	**0**	**1**	**3**	**6**	8	**2**	**0**	**0**	**21**
0900	7	0	0	1-10	0	0	0	0	1	1	1	1	3	0	0	1	8
				11-27	0	0	0	1	0	0	1	1	10	1	1	0	15
				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	**0**	**0**	**0**	**1**	**1**	**1**	**2**	**3**	**13**	**1**	**1**	**1**	**24**
1200	3	0	0	1-10	0	1	1	0	0	0	0	2	1	1	1	1	8
				11-27	0	0	0	1	0	0	0	2	12	3	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	**0**	**1**	**1**	**1**	**0**	**0**	**0**	**4**	**13**	**4**	**2**	**2**	**28**
1500	5	0	0	1-10	0	3	0	0	0	0	1	3	7	4	1	0	19
				11-27	0	0	0	0	0	0	0	0	5	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	**0**	**3**	**0**	**0**	**0**	**0**	**1**	**3**	**12**	**4**	**2**	**1**	**26**
1800	6	0	0	1-10	2	1	1	0	1	1	3	4	4	2	1	1	21
				11-27	0	0	0	0	0	0	0	2	1	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	**2**	**1**	**1**	**0**	**1**	**1**	**3**	**6**	**5**	**2**	**2**	**1**	**25**
2100	5	0	0	1-10	0	1	1	0	1	1	2	4	4	1	2	1	18
				11-27	0	0	0	0	0	0	3	4	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	**0**	**1**	**1**	**0**	**1**	**1**	**5**	8	**5**	**1**	**2**	**1**	**26**

Table A 10. — NUMBER OF OCCURRENCES OF CONCURRENT SURFCAE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

CAIRO (A) — DECEMBER 1961

Hour (U.T.)	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	1	1	3	1	2	2	3	0	0	0	0	13
				11-27	0	0	0	0	1	3	5	3	2	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**	**1**	**1**	**3**	**2**	**5**	**7**	**6**	**2**	**0**	**0**	**0**	**27**
0300	3	0	0	1-10	0	0	0	1	3	3	3	4	0	2	0	0	16
				11-27	0	0	0	0	0	3	5	1	2	0	0	0	11
				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	**0**	**0**	**0**	**1**	**3**	**6**	**8**	**6**	**2**	**2**	**0**	**0**	**28**
0600	4	0	0	1-10	0	0	1	0	1	4	0	3	2	0	0	0	11
				11-27	0	0	0	0	0	4	6	5	1	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	**0**	**0**	**1**	**0**	**1**	**8**	**6**	**8**	**3**	**0**	**0**	**0**	**27**
0900	2	0	0	1-10	0	0	1	1	0	1	0	2	3	2	0	1	11
				11-27	0	1	0	0	0	0	6	8	2	0	0	0	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	**0**	**1**	**1**	**1**	**0**	**1**	**6**	**11**	**5**	**2**	**0**	**1**	**29**
1200	1	0	0	1-10	0	1	1	1	0	0	0	0	2	5	0	1	11
				11-27	0	0	1	0	0	0	2	12	2	1	0	0	18
				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	**0**	**1**	**2**	**1**	**0**	**0**	**2**	**13**	**4**	**6**	**0**	**1**	**30**
1500	0	0	0	1-10	1	2	1	0	0	0	4	1	1	6	2	2	20
				11-27	0	0	0	0	0	0	4	3	4	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	**1**	**2**	**1**	**0**	**0**	**0**	**8**	**4**	**5**	**6**	**2**	**2**	**31**
1800	2	0	0	1-10	0	2	2	2	0	3	2	1	3	3	1	1	20
				11-27	0	0	0	0	0	2	5	1	1	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	**0**	**2**	**2**	**2**	**0**	**5**	**7**	**2**	**4**	**3**	**1**	**1**	**29**
2100	1	0	0	1-10	0	1	0	4	2	3	3	2	2	3	0	0	20
				11-27	0	0	0	0	0	1	6	2	0	0	0	0	9
				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	**0**	**1**	**0**	**4**	**2**	**4**	**9**	**5**	**2**	**3**	**0**	**0**	**30**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

MOSTAFA HELMI (A). — DECEMBER 1961

Hour (U.T.)	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	2	0	0	2	1	4	3	2	1	17
				11-27	0	1	0	0	0	0	0	2	5	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	1	1	1	2	0	0	2	3	9	8	2	1	30
0300	1	0	0	1-10	1	0	1	1	0	1	1	3	6	2	1	1	18
				11-27	0	1	0	0	0	0	0	3	4	4	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	1	1	1	0	1	1	6	10	6	1	1	30
0600	0	0	0	1-10	0	2	0	1	0	1	3	1	7	1	2	0	18
				11-27	0	0	0	0	0	0	0	5	5	3	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	2	0	1	0	1	3	6	12	4	2	0	31
0900	1	0	0	1-10	2	1	0	1	1	0	2	0	2	1	2	0	12
				11-27	1	0	1	0	0	0	0	4	2	6	2	0	16
				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	3	1	1	1	1	0	2	5	5	7	4	0	30
1200	2	0	0	1-10	0	2	0	0	0	0	1	0	3	0	2	2	10
				11-27	1	1	1	0	0	0	1	3	3	5	2	1	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	1	3	1	0	0	0	2	3	7	5	4	3	29
1500	0	0	0	1-10	2	3	1	0	0	0	1	1	0	2	2	2	14
				11-27	1	1	0	0	0	0	1	2	3	5	1	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	3	4	1	0	0	0	2	3	3	7	3	5	31
1800	1	0	0	1—10	2	4	1	1	0	1	0	3	4	2	2	0	20
				11-27	1	0	1	0	0	1	0	1	3	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	3	4	2	1	0	2	0	4	7	3	2	2	30
2100	3	0	0	1-10	1	0	2	2	1	0	0	4	1	1	1	3	16
				11-27	0	0	1	0	0	0	0	4	5	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	1	0	3	2	1	0	0	8	6	2	2	3	28

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS ALMAZA (A) — DECEMBER 1961

Hour (U.T.)	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	2	5	2	5	3	6	0	0	0	23
				11-27	1	0	0	0	0	0	1	2	1	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	**1**	**0**	**0**	**2**	**5**	**2**	**6**	**5**	**7**	**2**	**0**	**0**	**30**
0300	2	0	0	1-10	0	2	0	1	1	2	5	5	5	0	0	0	21
				11-27	0	0	0	0	0	0	2	4	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	**0**	**2**	**0**	**1**	**1**	**2**	**7**	**9**	**5**	**2**	**0**	**0**	**29**
0600	0	0	0	1-10	0	0	2	0	3	3	3	5	5	2	0	0	23
				11-27	0	0	1	0	0	0	3	1	1	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**	**0**	**3**	**0**	**3**	**3**	**6**	**6**	**6**	**4**	**0**	**0**	**31**
0900	0	0	0	1-10	1	1	2	1	1	0	0	3	2	1	2	2	17
				11-27	0	0	1	0	0	0	1	8	3	2	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	**1**	**1**	**3**	**1**	**1**	**0**	**1**	**11**	**5**	**3**	**2**	**2**	**31**
1200	0	0	0	1-10	2	1	1	0	0	0	0	1	2	3	3	1	14
				11-27	0	1	1	0	0	0	0	5	8	2	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	**2**	**2**	**2**	**0**	**0**	**0**	**0**	**6**	**10**	**5**	**3**	**1**	**31**
1500	0	0	0	1-10	2	1	4	0	0	0	1	6	3	2	4	2	25
				11-27	0	0	0	0	0	0	0	3	0	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	**2**	**1**	**4**	**0**	**0**	**0**	**1**	**9**	**3**	**5**	**4**	**2**	**31**
1800	0	0	0	1-10	0	0	3	0	5	2	4	2	4	3	3	0	26
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**3**	**0**	**5**	**2**	**5**	**5**	**5**	**3**	**3**	**0**	**31**
2100	1	0	0	1-10	0	1	1	0	3	1	3	2	4	2	1	0	18
				11-27	0	0	0	1	0	0	4	4	2	1	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**	**1**	**1**	**1**	**3**	**1**	**7**	**6**	**6**	**3**	**1**	**0**	**30**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

GIZA — DECEMBER 1961

Hour (U.T.)	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	28	1-10	0	0	0	0	0	1	0	0	1	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**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**1**	3
0300	1	0	26	1-10	0	0	0	0	0	0	2	1	0	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**	**0**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**1**	**4**
0600	8	0	0	1-10	0	0	0	1	0	12	3	0	1	0	1	1	19
				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	**0**	**0**	**0**	**1**	**0**	**14**	**3**	**1**	**2**	**0**	**1**	**1**	**23**
0900	1	0	0	1-10	1	1	1	0	1	5	3	2	1	2	1	3	21
				11-27	0	0	0	0	0	3	3	2	1	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**	**1**	**1**	**0**	**1**	8	**6**	**4**	**2**	**2**	**1**	**3**	**30**
1200	0	0	0	1-10	1	0	1	0	1	2	3	1	2	4	3	5	23
				11-27	0	1	0	0	0	0	1	5	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**	**1**	**1**	**0**	**1**	**2**	**4**	**6**	**3**	**4**	**3**	**5**	**31**
1500	5	0	0	1-10	3	3	0	0	0	6	5	1	2	3	1	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	**3**	**3**	**0**	**0**	**0**	**6**	**5**	**1**	**2**	**3**	**1**	**2**	**26**
1800	11	0	0	1-10	2	2	0	1	1	7	2	3	0	0	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	**2**	**2**	**0**	**1**	**1**	**7**	**2**	**3**	**0**	**0**	**0**	**2**	**20**
2100	0	0	28	1-10	0	0	1	0	0	0	1	0	1	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**	**1**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**3**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

MINYA (A)—DECEMBER 1961

Hour (U.T.)	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
0000	6	0	0	1-10	7	0	0	0	0	10	1	0	1	2	3	0
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	0	0	0	0	10	1	0	2	2	3	0
0300	3	0	0	1-10	4	0	0	0	0	11	3	1	1	1	4	3
				11-27	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	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	4	0	0	0	0	11	3	1	1	1	4	3
0600	3	0	0	1-10	4	0	0	0	0	8	6	1	2	3	2	2
				11-27	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	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	4	0	0	0	0	8	6	1	2	3	2	2
0900	1	0	0	1-10	1	1	0	0	0	1	4	3	5	5	1	5
				11-27	0	0	0	0	0	0	1	0	0	2	1	0
				28-47	0	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	1	1	0	0	0	1	5	3	5	7	2	5
1200	0	0	0	1-10	2	3	0	0	0	1	2	2	3	4	3	5
				11-27	0	0	0	0	0	0	0	1	0	4	1	0
				28-47	0	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	3	0	0	0	1	2	3	3	8	4	5
1500	2	0	0	1-10	6	4	0	0	0	4	1	2	2	4	3	2
				11-27	0	0	0	0	0	0	0	0	0	1	0	0
				28-47	0	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	6	4	0	0	0	4	1	2	2	5	3	2
1800	7	0	0	1-10	4	3	1	0	0	4	2	0	4	3	1	2
				11-27	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	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	4	3	1	0	0	4	2	0	4	3	1	2
2100	1	0	0	1-10	5	3	0	0	0	6	4	3	0	1	5	3
				11-27	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	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	5	3	0	0	0	6	4	3	0	1	5	3

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ASYOUT (A) — DECEMBER 1961

Hour (U.T.)	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	0	1	2	0	4	9	0	0	16
				11–27	0	0	0	0	0	0	1	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**	**0**	**0**	**0**	**0**	**1**	**3**	**0**	**4**	**11**	**0**	**0**	**19**
0300	17	0	0	1–10	0	0	0	0	0	2	0	0	0	9	1	1	13
				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**	**2**	**0**	**0**	**0**	**10**	**1**	**1**	**14**
0600	18	0	0	1–10	0	0	0	0	0	1	2	0	0	8	0	0	11
				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	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**1**	**0**	**9**	**0**	**0**	**13**
0900	12	0	0	1–10	0	1	1	1	0	0	1	1	0	4	2	4	15
				11–27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**1**	**1**	**1**	**0**	**0**	**1**	**1**	**1**	**6**	**3**	**4**	**19**
1200	5	0	0	1–10	3	0	0	0	0	0	0	0	0	5	1	9	18
				11–27	1	0	0	0	0	0	1	0	0	4	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**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**9**	**3**	**9**	**26**
1500	6	0	0	1–10	0	1	0	0	0	0	0	1	0	6	3	9	20
				11–27	0	0	0	0	0	0	0	0	0	3	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	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**9**	**5**	**9**	**25**
1800	14	0	0	1–10	0	0	0	0	0	3	2	1	2	6	1	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	**0**	**0**	**0**	**0**	**3**	**2**	**1**	**2**	**7**	**1**	**1**	**17**
2100	16	0	0	1–10	0	0	0	0	0	1	0	1	4	6	0	0	12
				11–27	0	0	0	0	0	1	0	1	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	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**2**	**4**	**7**	**0**	**0**	**15**

Table A 10.— NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OVSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

LUXOR (A) — DECEMBER 1961

Hour (U.T.)	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	1	2	1	2	0	3	6	2	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	**0**	**1**	**2**	**1**	**2**	**0**	**3**	**6**	**2**	**2**	**1**	**0**	**20**
0300	13	0	0	1-10	0	3	0	0	0	1	5	2	4	2	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	**0**	**3**	**0**	**0**	**0**	**1**	**5**	**2**	**4**	**2**	**1**	**0**	**18**
0600	20	0	0	1-10	1	0	0	1	0	0	1	2	5	1	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	**1**	**0**	**0**	**1**	**0**	**0**	**1**	**2**	**5**	**1**	**0**	**0**	**11**
0900	4	0	0	1-10	3	7	0	4	1	0	1	1	3	5	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	**3**	**7**	**0**	**4**	**1**	**0**	**1**	**1**	**3**	**5**	**1**	**1**	**27**
1200	0	0	0	1-10	8	5	0	0	0	0	0	0	2	1	5	8	29
				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	**8**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**5**	**9**	**31**
1500	6	0	0	1-10	9	5	1	0	0	0	0	0	0	0	3	7	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**	**5**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**7**	**25**
1800	11	0	0	1-10	2	1	2	1	0	0	1	3	5	2	3	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	**2**	**1**	**2**	**1**	**0**	**0**	**1**	**3**	**5**	**2**	**3**	**0**	**20**
2100	4	0	0	1-10	0	3	0	0	0	2	4	8	6	1	1	2	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**	**3**	**0**	**0**	**0**	**2**	**4**	**8**	**6**	**1**	**1**	**2**	**27**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ASWAN (A) — DECEMBER 1961

Hour (U.T.)	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
				1-10	8	0	1	0	0	0	0	0	1	3	1	3	17
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
0000	13	0	0	28-47	0	0	0	0	0	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**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**1**	**3**	**18**
				1-10	9	1	0	0	0	0	1	2	1	0	1	3	18
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
0300	13	0	0	28-47	0	0	0	0	0	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**	**1**	**2**	**1**	**0**	**1**	**3**	**18**
				1-10	18	0	0	0	0	0	0	0	3	0	0	0	21
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
0600	10	0	0	28-47	0	0	0	0	0	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**	**3**	**0**	**0**	**0**	**21**
				1-10	15	0	0	0	0	0	1	0	1	1	1	0	19
				11-27	9	0	0	0	0	0	0	0	0	0	0	0	9
0900	3	0	0	28-47	0	0	0	0	0	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**	**1**	**0**	**1**	**1**	**1**	**0**	**28**
				1-10	9	2	1	0	0	0	0	0	0	1	3	2	18
				11-27	5	0	0	0	0	0	0	0	0	0	0	1	6
1200	7	0	0	28-47	0	0	0	0	0	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**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**3**	**24**
				1-10	14	1	1	1	0	0	0	0	0	1	3	1	22
				11-27	2	0	0	0	0	0	0	0	0	0	3	1	6
1500	3	0	0	28-47	0	0	0	0	0	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**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**6**	**2**	**28**
				1-10	14	1	0	0	0	0	0	0	0	2	2	3	22
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
1800	8	0	0	28-47	0	0	0	0	0	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**	**2**	**2**	**3**	**23**
				1-10	10	0	0	0	0	0	0	0	2	0	2	3	17
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
2100	13	0	0	28-47	0	0	0	0	0	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**	**2**	**0**	**2**	**3**	**18**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS SIWA — DECEMBER 1961

Hour (U.T.)	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
				1-10	0	0	0	2	1	0	0	1	0	8	3	2	17
				11-27	0	0	0	0	0	0	0	1	0	1	2	2	6
0000	8	0	0	28-47	0	0	0	0	0	0	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**	**0**	**0**	**2**	**0**	**9**	**5**	**4**	**23**
				1-10	0	0	0	2	0	1	0	0	0	5	5	1	14
				11-27	1	0	0	0	0	0	0	0	1	2	1	1	6
0300	11	0	0	28-47	0	0	0	0	0	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**	**0**	**1**	**0**	**0**	**1**	**7**	**6**	**2**	**20**
				1-10	1	0	0	2	1	0	0	0	0	2	6	1	13
				11-27	0	0	0	0	0	0	0	1	0	2	1	1	5
0600	13	0	0	28-47	0	0	0	0	0	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**	**0**	**1**	**0**	**4**	**7**	**2**	**18**
				1-10	1	0	0	0	1	1	1	2	1	3	1	2	13
				11-27	1	1	0	0	1	0	1	0	0	4	4	5	17
0900	1	0	0	28-47	0	0	0	0	0	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**	**2**	**1**	**2**	**2**	**1**	**7**	**5**	**7**	**30**
				1-10	0	0	0	0	1	1	0	1	0	1	4	1	9
				11-27	2	0	0	0	0	0	1	1	1	4	8	5	22
1200	0	0	0	28-47	0	0	0	0	0	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**	**1**	**1**	**2**	**1**	**5**	12	**6**	**31**
				1-10	0	2	0	1	0	2	0	0	2	2	4	1	14
				11-27	0	0	0	0	0	0	1	0	0	4	9	3	17
1500	0	0	0	28-47	0	0	0	0	0	0	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**	**2**	**1**	**0**	**2**	**6**	**13**	**4**	**31**
				1-10	1	1	2	0	1	3	0	0	3	5	6	0	22
				11-27	0	0	0	0	0	0	0	0	0	4	2	0	6
1800	3	0	0	28-47	0	0	0	0	0	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**	**3**	**0**	**0**	**3**	**9**	**8**	**0**	**28**
				1-10	2	0	0	1	2	0	0	1	0	6	4	2	18
				11-27	0	0	0	0	0	0	0	1	1	3	2	0	7
2100	6	0	0	28-47	0	0	0	0	0	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**	**2**	**0**	**0**	**2**	**1**	**9**	**6**	**2**	**25**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

BAHARIYA — DECEMBER 1961

Hour (U.T.)	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	0	2	2	2	6
				11-27	0	0	0	0	0	0	0	0	0	5	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	0	0	0	0	0	0	0	7	4	2	13
0300	21	0	0	1-10	0	1	0	0	0	0	0	0	1	1	0	1	4
				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	1	0	0	0	0	0	0	2	6	0	1	10
0600	21	0	0	1-10	0	1	0	0	0	0	0	1	1	4	0	1	8
				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	1	0	0	0	0	0	1	1	6	0	1	10
0900	9	0	0	1-10	0	0	0	0	1	0	1	0	1	5	1	2	11
				11-27	1	1	0	0	0	0	0	1	0	6	1	0	10
				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	1	1	0	0	1	0	1	1	1	12	2	2	22
1200	2	0	0	1-10	2	0	1	0	0	0	1	2	1	4	2	1	14
				11-27	1	0	1	0	0	0	0	0	1	6	3	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	3	0	2	0	0	0	1	2	2	10	5	4	29
1500	4	0	0	1-10	1	0	0	1	0	0	0	2	1	2	3	7	17
				11-27	0	0	1	0	0	0	0	0	0	4	5	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	0	1	1	0	0	0	2	1	6	8	7	27
1800	6	0	0	1-10	3	0	1	0	0	0	0	3	2	6	4	3	22
				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	3	0	1	0	0	0	0	3	3	7	5	3	25
2100	12	0	0	1-10	1	1	0	0	0	0	0	1	1	7	1	5	17
				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	1	1	0	0	0	0	0	1	1	9	1	5	19

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS DAKHLA — DECEMBER 1961

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of directions indicated												
					345 / 014	014 / 045	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	0	0	0	0	0	2	8	5	2	18
				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**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**8**	**6**	**2**	**19**
0300	15	0	0	1-10	0	0	0	0	2	0	0	0	1	9	2	1	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**	**2**	**0**	**0**	**0**	**1**	**10**	**2**	**1**	**16**
0600	11	0	0	1-10	2	1	2	3	0	1	1	0	1	3	5	0	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	**2**	**1**	**2**	**3**	**0**	**1**	**1**	**0**	**1**	**4**	**5**	**0**	**20**
0900	1	0	0	1-10	0	1	2	2	1	0	0	1	1	1	15	3	27
				11-27	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**1**	**2**	**2**	**1**	**0**	**0**	**1**	**1**	**1**	**17**	**4**	**30**
1200	0	0	0	1-10	2	1	1	0	2	0	0	0	2	2	6	6	22
				11-27	0	0	0	0	0	0	0	0	1	1	4	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	**2**	**1**	**1**	**0**	**2**	**0**	**0**	**0**	**3**	**3**	**10**	**9**	**31**
1500	1	0	0	1-10	6	0	0	0	0	1	0	1	1	2	4	8	23
				11-27	0	0	0	0	0	0	0	0	0	2	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	**6**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**1**	**4**	**6**	**11**	**30**
1800	7	0	0	1-10	1	1	0	0	0	0	3	0	2	6	10	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	**1**	**1**	**0**	**0**	**0**	**0**	**3**	**0**	**2**	**6**	**10**	**1**	**24**
2100	6	0	0	1-10	1	0	1	1	0	1	3	2	5	6	4	0	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	**1**	**0**	**1**	**1**	**0**	**1**	**3**	**2**	**5**	**7**	**4**	**0**	**25**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

KHARGA — DECEMBER 1961

Hour (U.T.)	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	31	0	0	1-10	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
				28-47	0	0	0	0	0	0	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	0	0	0
0300	31	0	0	1-10	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
				28-47	0	0	0	0	0	0	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	0	0	0
0600	29	0	0	1-10	0	1	1	0	0	0	0	0	0	0	0	0	2
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	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	0	0	0	0	0	0	2
0900	16	0	0	1-10	6	2	3	1	1	1	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	7	2	3	1	1	1	0	0	0	0	0	0	15
1200	9	0	0	1-10	12	2	0	1	1	1	1	0	0	1	0	0	19
				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	14	2	0	1	1	1	1	0	0	2	0	0	22
1500	23	0	0	1-10	4	0	0	0	0	0	0	0	0	0	0	3	7
				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	0	0	0	0	0	0	0	0	0	0	3	8
1800	30	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	0	0	0	0
				28-47	0	0	0	0	0	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	0	1
2100	31	0	0	1-10	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
				28-47	0	0	0	0	0	0	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	0	0	0

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

TOR — DECEEMBR 1961

Hour (U.T.)	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	8	11	0	1	0	0	0	0	0	0	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	**8**	**11**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**23**
0300	13	0	0	1–10	3	12	0	0	0	0	0	0	0	0	1	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	**3**	**12**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**0**	**18**
0600	6	0	0	1–10	9	11	0	0	0	0	0	0	0	0	2	2	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**	**11**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**25**
0900	14	0	0	1–10	3	2	0	0	0	0	0	0	0	3	3	4	15
				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**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**5**	**4**	**17**
1200	7	0	0	1–10	0	0	0	0	0	0	0	2	1	6	11	0	20
				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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**7**	**14**	**0**	**24**
1500	10	0	0	1–10	2	0	0	1	0	0	1	0	0	3	4	5	16
				11–27	0	0	0	0	0	0	0	0	0	1	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	**2**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**4**	**7**	**6**	**21**
1800	11	0	0	1–10	6	2	0	0	1	1	0	0	0	2	3	2	17
				11–27	0	0	0	0	0	0	0	0	1	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	**6**	**2**	**0**	**0**	**1**	**1**	**0**	**0**	**1**	**2**	**5**	**2**	**20**
2100	15	0	0	1–10	3	5	0	0	1	0	0	0	0	0	4	1	14
				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	**3**	**5**	**0**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**4**	**2**	**16**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

HURGHADA — DECEMBER 1961

Hour (U.T.)	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	1	2	5	4	12
				11–27	0	0	0	0	0	0	0	0	0	2	14	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**19**	**6**	**30**
0300	1	0	0	1–10	0	0	0	0	0	0	0	0	1	1	12	5	19
				11–27	0	0	0	0	0	0	0	1	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**18**	**9**	**30**
0600	0	0	0	1–10	0	0	0	0	0	0	0	0	1	2	11	3	17
				11–27	0	0	0	0	0	0	0	0	1	1	10	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**3**	**21**	**5**	**31**
0900	1	0	0	1–10	4	1	0	0	0	2	0	0	0	0	0	1	8
				11–27	1	0	0	0	0	0	0	0	0	0	2	18	21
				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**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**2**	**20**	**30**
1200	0	0	0	1–10	3	6	2	3	0	0	0	0	0	0	0	1	15
				11–27	10	0	0	0	0	0	0	0	0	0	2	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	**13**	**6**	**2**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**5**	**31**
1500	1	0	0	1–10	5	2	0	2	6	1	0	0	0	0	1	2	19
				11–27	5	0	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	**10**	**2**	**0**	**2**	**6**	**1**	**0**	**0**	**0**	**0**	**1**	**8**	**30**
1800	1	0	0	1–10	0	0	0	0	0	1	3	2	1	0	6	7	20
				11–28	0	0	0	0	0	0	0	0	0	1	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	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**2**	**1**	**1**	**11**	**11**	**30**
2100	0	0	0	1–10	0	0	0	0	0	0	1	1	1	2	5	4	14
				11–27	0	0	0	0	0	0	0	0	0	4	10	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**	**1**	**1**	**1**	**6**	**15**	**7**	**31**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

QUSEIR — DECEMBER 1961

Hour (U.T.)	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
				1-10	0	0	0	0	0	0	0	0	2	18	4	1	25
				11-27	0	0	0	0	0	0	0	0	1	1	2	1	5
0000	1	0	0	28-47	0	0	0	0	0	0	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**	**19**	**6**	**2**	**30**
				1-10	0	0	0	0	0	0	0	0	2	21	2	0	25
0300	3	0	0	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**23**	**3**	**0**	**28**
				1-10	1	0	0	0	0	0	0	0	1	17	2	0	21
				11-27	0	0	0	0	0	0	0	0	0	5	3	2	10
0600	0	0	0	28-47	0	0	0	0	0	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**	**22**	**5**	**2**	**31**
				1-10	5	1	3	1	0	0	0	0	0	3	2	2	17
				11-27	2	0	0	0	0	0	0	0	0	2	2	6	12
0900	2	0	0	28-47	0	0	0	0	0	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**	**1**	**0**	**0**	**0**	**0**	**0**	**5**	**4**	**8**	**29**
				1-10	4	5	3	3	0	0	0	0	0	0	0	0	15
				11-27	7	1	0	0	0	0	0	0	0	5	2	1	16
1200	0	0	0	28-47	0	0	0	0	0	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**	**3**	**2**	**0**	**0**	**0**	**0**	**0**	**5**	**2**	**1**	**31**
				1-10	6	1	4	6	0	0	0	0	0	0	0	1	18
				11-27	5	0	0	0	0	0	0	0	0	4	0	3	12
1500	1	0	0	28-47	0	0	0	0	0	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**	**4**	**6**	**0**	**0**	**0**	**0**	**0**	**4**	**0**	**4**	**30**
				1-10	0	0	0	0	0	0	2	2	1	13	5	0	23
				11-27	1	0	0	0	0	0	0	0	0	1	0	0	2
1800	6	0	0	28-47	0	0	0	0	0	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**	**2**	**1**	**14**	**5**	**0**	**25**
				1-10	0	0	0	0	0	0	0	0	2	16	3	0	21
				11-27	0	0	0	0	0	0	0	0	0	2	2	0	4
2100	6	0	0	28-47	0	0	0	0	0	0	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**	**18**	**5**	**0**	**25**

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — DECEMBER 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Maen
		*	*	*						
Surface of station . .	31	1012mb.	1022mb.	1003mb.	31	12.7	18.8	8.7	31	8.2
1000	31	140	225	67	31	13.8	18.1	10.0	31	8.3
850	31	1498	1600	1400	31	6.5	12.1	0.8	31	−1.4
700	31	3062	3198	2959	31	—2.0	5.7	— 8.3	20	—12.7
600	31	4271	4422	4151	31	—8.6	— 3.5	—13.7	8	—19.9
500	31	5658	5821	5528	31	—17.9	— 8.2	—24.1	9	—26.3
400	31	7283	7455	7135	31	—30.4	—26.5	—36.0	6	—34.2
300	31	9265	9440	9090	31	—44.8	—37.4	—51.2	—	—
200	31	11892	12043	11714	31	—56.9	—52.4	—61.6	—	—
150	27	13697	13850	13549	27	—61.1	—56.8	—65.9	—	—
100	27	16191	16399	16047	27	—65.1	—60.0	—74.0	—	—
60	13	19353	19502	19214	13	—60.0	—58.4	—63.0	—	—
40	7	21907	22042	21808	7	—55.3	—49.5	—56.9	—	—
30	4	23785	23937	23659	4	—51.4	—47.4	—53.3	—	—
20	2	26501	26638	26365	2	—45.3	—44.4	—46.3	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric Pressure corrected to the elevation of the radiosonde station.

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 1200 U T. — DECEMBER 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface	31	1010mb.	1019mb.	1001mb.	31	18.8	23.0	14.7	31	8.9
1000	31	135	204	51	31	17·9	21.7	14.4	31	8.2
850	31	1502	1580	1420	31	7.9	12.8	3.3	30	—2.0
700	31	3073	3181	2976	31	—1.0	4.8	— 4.5	18	—12.4
600	31	4287	4409	4177	31	—8.0	— 3.0	—12.2	12	—18.8
500	31	5677	5808	5550	31	—17.2	—12.1	—23.3	10	—27.3
400	31	7313	7459	7164	31	—29.2	—25.2	—33.2	7	—34.1
300	30	9308	9469	9116	30	—43.9	—36·0	—49.5	—	—
200	30	11942	12105	11714	30	—56.0	—51.1	—63.2	—	—
150	29	13757	13937	13541	29	—59.8	—54.0	—67.8	—	—
100	26	16269	16447	16112	26	—63.8	—56.7	—69.5	—	—
60	17	19430	19600	19310	17	—60.3	—56.4	—63.4	—	—
40	8	21979	22119	21857	8	—55.0	—52.6	—57.8	—	—
30	2	23914	23957	23854	2	—50.6	—49.0	—52.2	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—0000 U.T. — DECEMBER 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface	28	1000mb.	1005mb.	992mb.	28	11.6	15.0	7.5	28	3.6
1000	28	139	180	76	18	11.6	15.0	7.3	18	2.6
850	28	1492	1558	1416	28	7.2	15.2	1.8	26	— 2.6
700	28	3069	3160	2986	28	0.3	6.4	— 4.0	15	—14.7
600	28	4290	4406	4209	28	— 6.1	— 1.2	—11.3	9	—19.0
500	28	5690	5826	5563	28	—15.9	—11.7	—21.2	6	— 22.3
400	27	7337	7479	7206	27	—28.0	—23.5	—31.2	8	—32·6
300	27	9341	9481	9097	27	—42.5	—38.2	—47.8	—	—
200	25	12037	12118	11800	25	—56.1	—51.8	—61.6	—	—
150	22	13793	13917	13611	22	—61.8	—56.8	—67.8	—	—
100	12	16287	16384	16186	12	—65.7	—61.0	—70.8	—	—
60	6	19430	19488	19320	6	—60.3	—56.1	—63.7	—	—
40	4	22022	22107	21980	4	—53.9	—48.8	—55.9	—	—
30	3	23902	24018	23827	3	—50.2	—43.7	—53.8	—	—
20	1	26486	—	—	1	—50.3	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN —1200 U.T. — DECEMBER 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface	30	999mb.	1003mb.	993mb.	30	18.8	25.2	10.3	30	5.3
1000	30	133	166	84	16	20.0	25.0	16.0	16	3.6
850	30	1497	1551	1422	30	7.8	14.7	3.4	26	— 3.1
700	30	3073	3158	2993	30	0.5	5.9	—6.2	9	—12.2
600	30	4295	4400	4208	30	—6.4	— 1.4	—14.8	8	—20.8
500	30	5698	5820	5554	30	—15.5	— 9.1	—22.9	7	—29.6
400	30	7341	7488	7168	30	—27.6	—22.2	—35.7	6	—39.1
300	28	9340	9529	9134	28	—42.0	—34.8	—50.4	—	—
200	26	11988	12207	11792	26	—55.3	—51.6	—59.6	—	—
150	24	13808	14042	13649	24	—60.5	—52.6	—65.9	—	—
100	16	16298	16433	16201	16	—64.4	—59.3	—74.5	—	—
60	4	19453	19532	19394	4	—59.6	—59.4	—59.8	—	—
40	2	21980	21995	21966	2	—53.2	—54.8	—51.6	—	—
30	1	23842	—	—	1	—51.2	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

*The atmospheric pressure corrected to the elevation of the radiosonde station

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 0000 U.T. — DECEMBER 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface	27	1003mb.	1007mb.	1001mb.	27	12.1	16.2	8.3	27	0.3
1000	27	135	164	115	27	21.3	16.8	8.1	27	0.2
850	27	1494	1534	1442	27	9.1	16.3	2.3	23	—3.7
700	27	3088	3159	3027	27	4.0	8.7	— 2.9	3	—12.1
600	27	4327	4410	4236	27	—2.3	3.6	—10.6	3	—19.9
500	27	5752	5841	5615	27	—11.0	— 6.0	—20.5	1	—23·7
400	27	7437	7565	7237	27	—22.3	—15.9	—32.4	—	—
300	27	9494	9623	9219	27	—35.8	—28.5	—43.7	—	—
200	25	12203	12380	11905	25	—53.6	—42.8	—59.8	—	—
150	20	14006	14245	13730	20	—63.9	—52.6	—72.1	—	—
100	15	16488	16783	16154	15	—69.0	—61.5	—78.8	—	—
60	7	19599	19923	19159	7	—66.0	—61.9	—68.6	—	—
40	4	21989	22324	21646	4	—57.8	—53.0	—60·4	—	—
30	2	23620	23799	23440	2	—58.6	—56.9	—60·4	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — DECEMBER 1961

N = the number of cases the element has been observed during the month.

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
		*	*	*						
Surface	26	1003mb.	1006mb.	1000mb.	26	24.0	29.8	19.2	26	6.1
1000	26	131	158	106	26	23.8	30.6	19.0	25	5.8
850	26	1522	1588	1480	26	12.7	19.8	7.7	18	— 8.9
700	26	3136	3193	3054	26	7.7	14.2	1.8	3	—21.4
600	26	4392	4469	4307	26	1.0	8.5	—11.6	—	—
500	26	5832	5954	5683	26	— 7.9	— 0.6	—14.9	—	—
400	26	7535	7760	7348	26	—21.2	— 8.4	—26.9	—	—
300	24	9607	9878	9395	24	—33.4	—22.6	—40.1	—	—
200	21	12342	12753	12081	21	—52.2	—37.4	—56.5	—	—
150	18	14104	14682	13883	18	—64.8	—44.8	—71.6	—	—
100	10	16561	17306	16414	10	—68.5	—56.1	—75.5	—	—
60	4	19806	20527	19539	4	—62·0	—55·8	—65.8	—	—
40	2	22106	22157	22056	2	—54.5	—50.0	—59.0	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

* The atmospheric pressure corrected to the elevation of the radiosonde station.

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 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm.)	Pressure (mb.)	Temperature (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000-360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N	(N)										
Mersa Matruh .(A)	2585 (31)	754 (31)	—6.9 (24)	3920	634	—	1620	836	—3.9	11762 (28)	222 (28)	—57.6 (28)	14640	131	—68.7	9090	300	—49.5	10300	—	290	133
Helwan	3078 (27)	739 (27)	—9.7 (14)	4280	610	—	1840	813	—2.6	11746 (16)	244 (16)	—57.5 (16)	15500	112	—68.0	9490	295	—45.7	6000	478	250	120
Aswan . . . .(A)	3919 (27)	634 (27)	— —	4950	556	—	2150	781	—7.2	15[illegible]9 (13)	130 (13)	—65.6 (13)	17060	90	—74.5	12590	189	—60.0	13660	154	250	140

Table B2.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE THE HIGHEST WIND SPEED IN THE UPPER AIR

1200 U.T. — DECEMBER 1961

N=The number of cases the element has been observed during the month.

Station	Freezing level									First tropopause									Highest wind speed			
	Mean			Highest			Lowest			Mean			Highest			Lowest						
	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm)	Pressure (mb.)	Dew point (°C)	Altitude (gpm)	Pressure (m.b)	Dew point (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm)	Pressure (mb.)	Temperature (°C)	Altitude (gpm.)	Pressure (mb.)	Direction (000–360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Mersa Matruh .(A)	2861 (31)	723 (31)	— 8.6 (21)	3900	638	—	1920	810	—4.2	11388 (28)	224 (28)	—55.4 (28)	14030	144	—68.5	8600	327	—43.8	11400	246	250	127
Helwan	3121 (30)	698 (30)	— 4.9 (10)	4150	616	—	1860	806	—3.5	11843 (23)	215 (23)	—55 5 (23)	18120	77	—68.2	9332	300	—42.9	10600	248	260	113
Aswan . . . (A)	4667 (26)	582 (26)	— —	6100	490	—	3700	646	—	13822 (10)	158 (10)	—50·3 (10)	14820	146	—64.8	12220	195	—56.1	14000	153	270	146

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 1961

N = The number of cases the wind has been observed from the range of direction during the month,.
TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	0	—	1	18	1	10	0	—	2	12	1	11	0	—	8	16	10	17	4	20	1	12	2	7	1	31	15
1000	0	—	1	18	1	10	0	—	2	12	1	11	0	—	8	16	10	17	4	20	1	12	2	7	1	31	15
850	0	—	3	14	0	—	1	13	0	—	1	18	0	—	0	—	8	20	10	19	7	13	1	37	0	31	18
700	0	—	2	18	1	10	0	—	1	14	0	—	1	21	0	—	8	25	10	24	7	24	1	25	0	31	23
600	1	19	1	27	1	12	0	—	1	10	0	—	1	20	1	35	10	40	10	30	4	36	1	41	0	31	33
500	2	21	1	31	0	—	0	—	0	—	1	14	0	—	2	23	10	43	8	41	4	39	1	43	0	29	38
400	2	26	1	28	0	—	0	—	0	—	0	—	0	—	0	—	13	48	6	34	4	54	1	71	0	27	44
300	2	29	0	—	0	—	0	—	0	—	0	—	0	—	1	30	8	62	4	50	4	44	0	—	0	19	51
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	76	4	51	1	67	1	37	0	8	57
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	75	1	74	1	37	0	5	67
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	105	1	63	1	102	0	—	0	3	90
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 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	4	13	0	—	0	—	1	10	0	—	1	7	3	17	3	14	10	23	2	20	5	19	2	8	0	31	18
1000	4	13	0	—	0	—	1	10	0	—	1	7	3	17	3	14	10	23	2	20	5	19	2	8	0	31	18
850	2	18	0	—	1	3	0	—	1	10	0	—	1	10	4	24	7	25	8	20	6	18	1	31	0	31	20
700	1	19	1	23	0	—	1	10	1	2	1	5	1	30	2	26	8	30	8	26	6	26	0	—	0	30	25
600	1	21	1	24	0	—	1	10	0	—	0	—	0	—	4	33	7	38	7	33	8	28	0	—	1	30	30
500	1	23	1	23	0	—	0	—	0	—	0	—	0	—	3	45	10	43	6	39	5	35	3	28	0	29	38
400	1	28	1	23	0	—	0	—	0	—	0	—	0	—	0	—	8	52	8	40	5	40	2	29	0	25	42
300	1	32	0	—	0	—	0		0	—	0	—	0	—	0	—	9	65	5	54	6	43	1	26	0	22	53
200	2	44	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	100	5	71	4	54	1	52	0	14	65
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	87	2	65	4	40	0	—	0	7	54
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	27	1	26	0	—	0	2	26
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

HELWAN - 0000 U.T. — DECEMBER 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	0	—	4	7	5	5	1	2	0	—	4	5	3	7	0	—	0	—	0	—	0	—	0	—	11	28	3
1000	0	—	3	9	3	5	2	2	0	—	2	4	0	—	0	—	0	—	2	5	0	—	0	—	5	17	4
850	0	—	0	—	1	26	0	—	0	—	2	6	0	—	4	15	4	32	10	14	4	12	2	12	0	27	16
700	2	10	0	—	1	36	0	—	0	—	1	8	0	—	1	14	8	27	11	24	4	28	0	—	0	28	24
600	1	17	0	—	1	35	1	16	0	—	0	—	0	—	1	41	4	43	15	34	4	29	1	17	0	28	33
500	2	24	0	—	1	23	0	—	0	—	0	—	0	—	1	47	4	60	13	42	5	42	2	42	0	28	43
400	2	26	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	56	9	60	7	45	1	20	0	24	50
300	1	47	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	70	9	64	3	54	2	31	0	17	58
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	75	3	32	1	36	0	9	60
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	19	4	53	1	54	0	—	0	6	48
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	37	2	40	0	—	0	3	39
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

HELWAN — 1200 U.T.—DECEMBER 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observations (TN)	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 of station	1	10	1	15	0	—	0	—	0	—	2	6	6	10	6	11	3	13	6	7	3	7	1	8	1	30	9
1000	1	4	1	15	0	—	0	—	0	—	2	7	0	—	4	7	1	12	2	4	3	9	1	8	1	16	7
850	1	5	2	4	0	—	1	22	0	—	0	—	1	16	2	22	9	18	5	26	7	12	2	10	0	30	16
700	1	22	1	5	1	23	0	—	0	—	0	—	2	12	0	—	9	28	10	26	5	26	1	27	0	30	25
600	1	23	1	10	1	33	0	—	0	—	0	—	0	—	3	23	8	40	7	41	8	30	1	37	0	30	34
500	1	17	1	26	0	—	0	—	0	—	0	—	0	—	2	32	6	49	10	42	6	44	3	27	0	29	40
400	0	—	1	28	0	—	0	—	0	—	0	—	0	—	1	51	6	60	10	57	5	43	3	29	0	26	50
300	0	—	1	31	0	—	0	—	0	—	0	—	0	—	0	—	5	79	9	68	3	56	2	28	0	20	63
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	51	4	56	2	55	1	41	0	8	53
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	73	4	37	1	50	0	—	0	6	45
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	17	3	47	0	—	0	4	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 (A) — 0000 U.T. — DECEMBER 1961

N = The number of cases the wind has been observed from the range of direction during the month.

TN The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-270)°																						Number of calm winds	Total number of observations (TN)	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 of station	5	7	0	—	1	12	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	21	27	2
1000	5	7	0	—	1	12	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	21	27	2
850	2	12	2	10	2	16	1	13	2	10	1	6	1	8	0	—	3	7	9	11	2	18	2	16	0	27	12
700	0	—	1	25	1	5	1	14	0	—	0	—	0	—	0	—	8	21	13	23	2	22	1	21	0	27	22
600	1	20	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	35	15	24	3	22	3	19	0	27	31
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	43	11	44	7	32	1	20	0	27	49
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	66	14	60	5	45	0	—	0	27	59
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	80	11	73	3	68	0	—	0	17	73
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	99	2	105	3	93	0	—	0	6	96
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	140	0	—	3	103	0	—	0	4	112
100	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 (A) — 1200 U.T. — DECEMBER 1961

N = The number of cases the wind has been observed from the range of direction during the month.
TN = The total number of cases the wind has been observed for all directions during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360°)																								Number of calm winds	Total number of observations (TN)	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 of station	11	5	0	—	1	12	0	—	0	—	0	—	0	—	0	—	0	—	2	9	2	4	0	—	10	26	3
1000	11	5	0	—	1	12	0	—	0	—	0	—	0	—	0	—	0	—	2	9	2	4	0	—	10	26	3
850	1	18	3	9	1	18	1	13	0	—	0	—	1	2	3	8	2	8	8	12	4	12	2	6	0	26	10
700	0	—	0	—	1	16	0	—	1	19	0	—	0	—	2	12	10	24	5	32	6	20	1	13	0	26	23
600	0	—	0	—	1	18	1	8	0	—	0	—	0	—	0	—	9	34	11	34	3	33	1	19	0	26	32
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	60	15	44	2	30	1	11	0	26	44
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	66	12	60	3	36	1	22	0	23	57
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	86	9	75	2	46	0	—	0	13	73
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	116	2	80	0	—	0	4	98
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	146	2	82	0	—	0	3	103
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

DECEMBER 1961

This month was rather mild and rainy as compared with the normal values of air temperature and total rainfall for Giza during December. The mean air temperature at 2 metres above ground was below normal (— 0.6°C) and the mean relative humidity was slightly below normal (— 3%). Two warm spells were characterized round the beginning and end of the month ; the first of which gave the absolute maximum air temperature for the month (26.0°C) on the 2nd.

During the period (4th—25th), the maximum temperature was subnormal and reached its lowest value (13.5°C) on the 12th. The monthly rainfall was 17.1 mms. while the maximum rainfall in one day was 11.8 mms. on the 12th, both of which were absolute values for December since 1956.

The minimum air temperature at 5 cms above grass (Libia) fell below 0 °C on one day, namely the 29th on which the minimum was —0.2°C and duration of air temperature below zero was 1/2 hour.

The absolute maximum soil temperatures at all depths in the dry field were lower than the corresponding values of last December ; the maximum difference was — 3.1 °C at 1cm. depth. The absolute minimum soil temperatures at depth between 0.3 & 2 cms. iclusive were higher than the corresponding values of last December, the maximum difference was + 1.6 °C at 1 cm. depth. At more depths the values were less than last December ; the maximum difference was — 2.5 °C at 50 cms.depth.

The daily mean wind speed at 2 metres above ground was higher (+ 0.4m/sec.) than the corresponding value of last December. The daily mean values of Piche evaporation, water pan evaporation potential evaporation and potential evapotranspiration were + 0.3, + 0.01, -0.6, -0.6 mm. than the corresponding values of last December. The total actual duration of bright sunshine was 12.3 hours higher than the corresponding value of December 1960.

REVIEW OF AGRO - METEOROLOGICAL STATION AT TAHRIR

DECEMBER 1961

This month was rather cold, less humid and rainy as compared with mean air temperature, relative humidity and rainfall values of last December (1960). The mean air temperature, mean relative humidity and the vapour pressure were lower by 2·1°C, 6% & 2.1 mms. than the corresponding values of December 1960 while the monthly rainfall exceeded its last year value by 11.8 mms.

The extreme maximum soil temperatures at different depths (down to 1 metre) in the dry field were lower (1 to 2 °C) than the corresponding values of last year. The extreme minimum temperatures were higher ($\approx$ 1 °C) in the shallow layers (down to 2 cms.), equal at 5 cms. & lower (1 to 2.5 °C) in deeper layers (down to 1 metre) than the corresponding values of last December.

The mean daily wind speed at 2 metres above the ground and the mean Piche evaporation at 120 cms. exceeded their corresponding values of last December by 0.9 m/sec and 1.3 mm. respectively. The total radiation and the total actual duration of bright sunshine were more than the corresponding values of December 1960 by 1000 gm. cal./cm^2. and 44 hours (ie. 14% of the possible duration) respectively.

Table C 1.—AIR TEMPERATURES AT 2 METRES ABOVE GROUND; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms ABOVE GROUND OVER DIFFERENT FIELDS

GIZA — DECEMBER 1961

Date	Air Temperature (°C)					Duration in hours to the nearest half hour of air tempertaure 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	25.0	8.3	16.2	14.0	19.2	24.0	24.0	24.0	21.5	14.0	7.0	0.0	0.0	0.0	0.0	0.0
2	26.0	7.8	14.7	13.5	17.5	24.0	24.0	24.0	18.5	9.0	5.5	0.0	0.0	0.0	0.0	0.0
3	24.4	6.7	14.9	11.8	18.5	24.0	24.0	24.0	16.5	10.5	5.5	0.0	0.0	0.0	0.0	0.0
4	20.1	11.3	15.3	14.2	17.1	24.0	24.0	24.0	24.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
5	19.1	9.5	14.3	12.5	15.7	24.0	24.0	24.0	24.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
6	20.0	11.7	14.9	14.4	16.4	24.0	24.0	24.0	24.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0
7	19.6	10.3	14.3	12.8	15.3	24.0	24.0	24.0	24.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
8	22.7	11.1	16.5	14.3	18.8	24.0	24.0	24.0	24.0	13.0	5.5	0.0	0.0	0.0	0.0	0.0
9	19.3	10.0	14.5	14.7	16.0	24.9	24.0	24.0	24.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
10	19.6	9.8	13.7	12.4	15.6	24.0	24.0	24.0	24.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
11	20.5	9.4	14.0	12.0	16.2	24.0	24.0	24.0	16.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0
12	13.5	11.8	12.3	13.5	12.1	24.0	24.0	24.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	17.7	12.1	14.3	12.7	15.1	24.0	24.0	24.0	24.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
14	19.9	9.1	14.9	14.6	16.8	24.0	24.0	24.0	22.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
15	20.7	9.1	14.3	11.3	16.9	24.0	24.0	24.0	24.0	9.5	1.5	0.0	0.0	0.0	0.0	0.0
16	21.6	11.6	15.7	13.7	17.8	24.0	24.0	24.0	24.0	11.5	3.5	0.0	0.0	0.0	0.0	0.0
17	21.3	10.1	14.2	13.3	16.9	24.0	24.0	24.0	24.0	8.5	2.0	0.0	0.0	0.0	0.0	0.0
18	21.0	5.5	12.2	10.3	16.1	24.0	24.0	24.0	13.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
19	20.2	4.7	12.0	9.0	15.3	24.0	24.0	24.0	13.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
20	19.5	4.8	12.4	9.5	14.7	24.0	24.0	23.5	15.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
21	17.6	10.6	13.8	13.4	14.3	24.0	24.0	24.0	24.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
22	19.1	10.2	13.9	13.0	15.9	24.0	24.0	24.0	24.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
23	19.4	7.1	12.2	11.5	14.9	24.0	24.0	24.0	15.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0
24	19.6	6.4	11.7	8.8	15.0	24.0	24.0	24.0	12.5	7.0	0.0	0.0	0.0	0.0	0.0	0.0
25	18.4	4.8	10.8	8.7	14.5	24.0	24.0	24.0	10.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0
26	21.5	5.9	12.6	8.5	15.3	24.0	24.0	24.0	15.5	7.5	2.0	0.0	0.0	0.0	0.0	0.0
27	21.5	8.4	13.9	12.3	16.5	24.0	24.0	24.0	19.5	8.5	2.5	0.0	0.0	0.0	0.0	0.0
28	22.7	4.7	12.9	9.8	16.7	24.0	24.0	24.0	14.5	9.0	4.5	0.0	0.0	0.0	0.0	0.0
29	23.0	4.2	13.5	10.3	17.2	24.0	24.0	23.5	15.5	10.0	5.0	0.0	0.0	0.0	0.0	0.0
30	23.6	7.9	14.4	12.2	18.5	24.0	24.0	24.0	19.0	9.0	5.0	0.0	0.0	0.0	0.0	0.0
31	20·6	7.8	14.1	11.1	16.7	24.0	24.0	24.0	20.0	10.5	0.5	0.0	0.0	0.0	0.0	0.0
Total	—	—	—	—	—	744.0	744.0	743.0	615.5	277.0	50.0	0.0	0.0	0.0	0.0	0.0
Mean	20.6	8.5	13.9	12.1	16.2	24.0	24.0	24.0	19.9	8.9	1.6	0.0	0.0	0.0	0.0	0.0

Highest maximum at 2 metres 26.0 °C on 2nd. Highest minimum at 2 metres 12.1 °C on 13th.

Lowest maximum at 2 metres 13.5 °C on 12th. Lowest minimum at 2 metres 4.2 °C on 29th.

Absolute minimum temperature at 5 cms. Above dry soil 0.4 °C on 29th.

" " " " " wet soil 2.0 °C on 28th & 29th.

" " " " " grass —0.2 °C on 29th.

Table C 1.—AIR TEMPERATURES AT 2 METRES ABOVE GROUND ; ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms ABOVE GROUND OVER DIFFERENT FIELDS

TAHRIR — DECEMBER 1961

Date	Air temperature (°C)					Duration in hours to the nearest half hour 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	21.3	11.6	17.0	14.6	20.5	24.0	24.0	24.0	24.0	13.5	7.5	0.0	0.0	0.0	0.0	0.0
2	25.6	7.8	15.3	13.3	18.1	24.0	24.0	24.0	20.0	11.5	5.5	0.0	0.0	0.0	0.0	0.0
3	24.6	9.3	16.1	13.8	19.1	24.0	24.0	24.0	22.0	11.5	7.0	0.0	0.0	0.0	0.0	0.0
4	24.1	12.9	16.5	14.9	18.7	24.0	24.0	24.0	24.0	12.5	4.5	0.0	0.0	0.0	0.0	0.0
5	21.6	10.9	16.0	14.1	18.5	24.0	24.0	24.0	24.0	15.5	3.0	0.0	0.0	0.0	0.0	0.0
6	19.8	12.7	15.5	15.4	16.5	24.0	24.0	24.0	24.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0
7	22.7	11.6	16.3	13.6	18.4	24.0	24.0	24.0	24.0	14.0	5.0	0.0	0.0	0.0	0.0	0.0
8	23.6	12.5	17.2	15.2	19.2	24.0	24.0	24.0	24.0	15.5	7.0	0.0	0.0	0.0	0.0	0.0
9	19.7	10.7	14.9	15.2	16.3	24.0	24.0	24.0	24.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0
10	19.5	10.1	14.4	13.3	16.2	24.0	24.0	24.0	24.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
11	21.0	10.0	15.0	12.9	17.2	24.0	24.0	24.0	24.0	11.0	2.0	0.0	0.0	0.0	0.0	0.0
12	17.5	11.7	13.9	14.5	14.2	24.0	24.0	24.0	24.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
13	18.2	11.7	14.3	12.9	15.4	24.0	24.0	24.0	24.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
14	19.9	11.5	15.0	14.1	16.8	24.0	24.0	24.0	24.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
15	21.4	10.4	15.3	12.3	17.7	24.0	24.0	24.0	24.0	13.5	4.5	0.0	0.0	0.0	0.0	0.0
16	22.0	12.9	17.0	15.6	18.8	24.0	24.0	24.0	24.0	16.0	5.0	0.0	0.0	0.0	0.0	0.0
17	19.8	10.2	14.3	14.3	16.4	24.0	24.0	24.0	24.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
18	20.8	6.4	12.9	11.3	14.8	24.0	24.0	24.0	17.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
19	22.0	7.2	12.8	10.2	16.0	24.0	24.0	24.0	15.5	8.0	1.0	0.0	0.0	0.0	0.0	0.0
20	21.0	6.2	13.3	10.4	16.3	24.0	24.0	24.0	16.0	8.5	2.0	0.0	0.0	0.0	0.0	0.0
21	16.9	10.4	14.1	13.4	14.5	24.0	24.0	24.0	24.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0
22	19.0	10.7	14.3	[illegible]	15.9	24.0	24.0	24.0	24.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
23	18.8	9.4	13.4	11.9	15.4	24.0	24.0	24.0	23.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
24	22.1	9.6	14.1	12.3	16.5	24.0	24.0	24.0	23.5	8.5	1.0	0.0	0.0	0.0	0.0	0.0
25	19.3	7.4	12.9	11.2	15.6	24.0	24.0	24.0	17.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
26	21.2	7.8	14.0	10.9	16.7	24.0	24.0	24.0	17.0	11.0	4.0	0.0	0.0	0.0	0.0	0.0
27	22.8	9.8	15.1	13.2	18.0	24.0	24.0	24.0	24.0	11.5	5.0	0.0	0.0	0.0	0.0	0.0
28	24.1	9.2	14.1	12.9	16.8	24.0	24.0	24.0	22.5	8.0	3.5	0.0	0.0	0.0	0.0	0.0
29	23.5	7.6	14.1	11.5	17.6	24.0	24.0	24.0	17.5	9.0	4.5	0.0	0.0	0.0	0.0	0.0
30	24.2	8.3	15.0	12.1	18.9	24.0	24.0	24.0	19.0	10.0	6.0	0.0	0.0	0.0	0.0	0.0
31	21.4	10.8	15.5	13.3	17.9	24.0	24.0	24.0	24.0	12.0	3.0	0.0	0.0	0.0	0.0	0.0
Total	—	—	—	—	—	**744.0**	**744.0**	**744.0**	**687.0**	**324.0**	**81.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Mean	21.4	10.0	14.8	13.2	17.1	24.0	24.0	24.0	22.2	10.5	2.6	0.0	0.0	0.0	0.0	0.0

Highest maximum at 2 metres 25.6°C on 2 nd.

Highest minimum at 2 metres 12.9°C on 4 & 16 th.

Lowest maximum at 2 metres 16.9°C on 21 st.

Lowest minimum at 2 metres 6.2°C on 20 th.

Absolute minimum temperature at 5 cms. above dry soil 3.6 °C on 20 th.

" " " " " wet soil — °C on —

" " " " " grass — °C on —

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

GIZA—DECEMBER 1961

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 millimeters		Evaporation in millimeters		Amount of rainf in millimeters
	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	1.3	3.6	300	8.6	10.4	83	8	9	78	17	6.8	3.7	12.1	6.44	0.0
2	1.5	1.9	1.1	262	6.7	10.4	64	5	8	92	37	9.0	8.3	3.8	2.31	0.0
3	0.6	0.0	1.4	285	9.0	10.3	87	8	11	85	45	9.5	9.4	4.3	2.78	0.0
4	0.8	0.4	1.4	129	1.2	10.3	12	7	15	89	71	10.9	11.4	2.1	1.61	Tr.
5	0.7	0.2	1.4	123	1.7	10.3	16	11	22	90	80	11.3	11.7	0.9	1.09	4.0
6	1.3	1.0	1.7	170	1.9	10.3	18	14	19	92	91	11.6	12.3	1.4	1.01	0.2
7	1.7	0.8	3.0	214	4.2	10.3	41	12	13	87	80	10.8	12.0	4.2	2.78	0.0
8	3.2	2.2	4.7	288	8.8	10.3	85	0	0	64	40	7.9	8.0	11.4	5.43	0.0
9	2.4	1.7	3.4	248	6.7	10.3	65	0	0	63	41	6.7	6.5	9.1	4.11	0.0
10	3.1	2.3	4.1	277	8.8	10.3	85	0	0	62	48	7.0	7.5	8.9	4.47	0.0
11	2.9	2.4	3.7	285	8.9	10.2	87	0	0	66	42	7.2	7.3	9.3	3.42	Tr.
12	2.7	2.5	2.9	55	0.2	10.2	2	9	15	78	92	9.0	10.0	0.0	0.28	11.8
13	2.8	2.4	3.4	140	1.4	10.2	14	1	14	86	73	10.2	10.9	3.4	2.86	0.3
14	2.8	2.5	3.2	190	5.0	10.2	49	6	16	89	61	10.1	9.9	2.0	1.94	0.8
15	1.7	0.7	3.2	283	8.9	10.2	87	6	0	80	57	9.3	10.0	7.0	2.97	0.0
16	2.9	2.6	3.2	295	8.8	10.2	86	0	1	70	47	8.7	8.6	7.2	3.27	0.0
17	2.0	1.7	2.5	278	9.0	10.2	88	0	6	76	46	8.2	8.4	5.1	2.96	0.0
18	0.7	0.1	1.4	277	9.6	10.2	94	6	11	78	36	7.0	5.8	3.9	2.49	0.0
19	0.8	0.0	1.9	260	9.4	10.2	92	9	11	86	49	8.1	7.9	3.9	2.53	0.0
20	1.4	0.2	3.1	290	8.9	10.2	87	11	11	77	47	7.6	7.6	9.8	4.30	0.0
21	4.4	3.7	5.4	202	2.4	10.2	24	0	0	54	43	6.0	6.0	13.1	4.38	0.0
22	4.2	4.1	4.4	291	9.1	10.2	89	0	0	62	49	7.1	7.9	8.9	3.81	0.0
23	2.6	2.0	3.4	272	8.1	10.2	79	0	3	75	40	6.6	6.3	5.9	2.75	0.0
24	0.9	0.6	1.4	282	8.6	10.2	84	3	11	80	49	7.5	7.7	3.2	2.11	0.0
25	0.9	0.1	2.0	294	9.3	10.2	91	8	14	90	40	7.1	5.9	5.2	3.85	0.0
26	1.6	0.7	2.9	295	9.5	10.2	93	0	0	66	31	6.1	5.5	9.4	3.79	0.0
27	2.8	2.4	3.3	306	9.6	10.2	94	0	0	57	34	6.0	6.1	7.7	4.23	0.0
28	0.7	0.1	1.6	258	9.0	10.2	88	6	11	73	37	7.4	7.2	4.5	2.90	0.0
29	1.2	0.3	2.4	298	8.7	10.2	85	9	9	83	46	8.3	8.9	6.9	4.44	0.0
30	1.9	1.0	3.2	311	9.6	10.2	94	0	3	58	33	6.4	6.7	5.8	4.55	0.0
31	1.2	0.6	2.2	222	6.0	10.2	59	10	13	88	62	10.3	10.8	3.4	3.07	0.0
Total	—	—	—	7680	217.6	317.4	2125	149	255	—	—	—	—	185.8	98.99	17.1
Mean	2.0	1.4	2.8	247.8	7.0	10.2	69	4.8	8.2	77	50	8.2	8.3	6.0	3.19	—

Maximum amount of rainfall in one day	11.8	mms.	on	12th.
Lowest value of relative humidity	16	%	on	1st.
Highest value of vapour pressure	13.5	mms.	on	5th.
Lowest value of vapour pressure	3.5	mms.	on	1st.

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

TAHRIR—DECEMBER 1961

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 millimeters		Evaporation in millimeters		Amount of rainfall in millimeters
	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	2.1	4.5	282	10.0	10.3	97	8	12	82	49	10.9	10.7	7.3	—	0.0
2	1.4	1.7	1.0	247	7.7	10.3	75	8	10	72	35	7.7	6.9	4.9	—	0.0
3	2.5	2.2	2.9	287	9.1	10.3	88	4	11	94	54	10.7	11.3	5.2	—	0.0
4	1.9	1.7	2.1	200	5.3	10.3	51	2	14	86	56	10.9	10.3	2.9	—	0.0
5	3.1	1.9	4.9	220	6.5	10.3	63	10	15	88	69	11.5	12.2	5.3	—	0.4
6	3.2	3.2	3.1	167	3.2	10.3	31	13	20	94	78	11.4	11.4	1.6	—	4.7
7	3.2	3.2	3.3	256	8.4	10.2	82	9	10	74	41	9.0	8.8	8.3	—	0.0
8	5.2	3.7	7.5	235	6.8	10.2	67	0	0	60	40	8.0	8.0	17.4	—	0.0
9	4.5	3.9	5.6	258	7.5	10.2	74	0	0	55	43	6.6	7.0	11.9	—	0.0
10	4.9	3.7	6.8	283	9.7	10.2	95	0	0	63	43	7.1	7.0	10.7	—	0.0
11	5.2	4.7	6.0	277	9.5	10.2	93	0	0	62	49	7.2	7.1	11.3	—	3.2
12	4.3	3.5	5.6	184	4.3	10.2	42	3	14	87	76	9.9	10.4	3.4	—	2.7
13	5.7	5.2	6.4	199	4.4	10.2	43	9	15	[illegible]	63	10.1	9.4	4.3	—	1.6
14	5.1	4.6	5.8	229	6.2	10.2	61	8	18	90	54	10.0	9.3	4.6	—	0.5
15	3.9	2.9	5.5	289	9.5	10.2	93	3	8	72	45	8.4	8.3	10.7	—	0.0
16	4.3	3.7	5.2	254	9.0	10.2	88	0	1	66	46	8.7	8.8	10.3	—	0.0
17	3.9	3.3	4.6	279	9.5	10.2	93	0	1	67	47	7.3	7.6	7.3	—	0.0
18	2.0	1.8	2.2	273	9.9	10.2	97	1	8	76	42	7.1	6.9	3.9	—	0.0
19	1.3	0.9	1.8	234	9.3	10.2	91	3	11	78	38	7.0	6.1	3.5	—	0.0
20	2.3	1.3	3.7	263	9.8	10.2	97	6	9	75	35	7.2	6.2	11.1	—	0.0
21	7.7	6.1	9.9	201	1.7	10.2	17	0	0	52	51	6.4	7.3	22.7	—	0.0
22	8.3	8.4	8.2	271	9.8	10.2	97	0	0	64	47	6.9	7.4	13.1	—	0.0
23	4.9	4.2	6.0	287	9.4	10.2	92	0	0	68	41	6.7	6.3	9.1	—	0.0
24	1.8	1.9	1.7	270	9.8	10.2	97	0	2	72	54	8.6	9.7	3.5	—	0.0
25	2.5	1.7	3.7	276	9.8	10.2	97	0	5	59	36	5.8	5.7	9.4	—	0.0
26	3.6	2.8	4.7	228	8.3	10.2	81	0	0	44	23	4.5	4.0	15.8	—	0.0
27	3.2	3.3	3.0	268	9.8	10.2	97	2	3	52	33	6.1	6.0	6.7	—	0.0
28	1.5	1.3	1.9	240	7.1	10.2	70	10	15	91	47	9.4	9.2	2.6	—	0.0
29	1.9	1.5	2.4	239	8.5	10.2	83	8	13	88	43	9.1	8.7	4.5	—	0.0
30	2.7	1.6	4.2	281	9.6	10.2	94	1	7	72	23	7.1	5.1	10.7	—	0.0
31	4.1	3.1	5.6	280	8.7	10.2	85	8	13	86	50	10.1	9.4	5.9	—	0.0
Total	—	—	—	7758	248.1	316.8	2431	116	235	—	—	—	—	249.9	—	13.1
Mean	3.7	3.1	4.5	250.3	8.0	10.2	78	3.7	7.6	74	48	8.3	8.1	8.1	—	—

Maximum amount of rainfall in one day	4.7	mms.	on 6 th
Lowest value of relative humidity	23	%	on 26 & 30th
Highest value of vapour pressure	13.5	mms.	on 1 st
Lowest value of vapour pressure	3.7	mms.	on 27 th

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

GIZA — DECEMBER 1961

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	36.0	3.0	25.0	5.0	21.6	5.3
1	33.0	5.0	23.9	5.2	19.6	7.0
2	32.0	6.0	22.6	5.7	18.2	7.5
5	26.0	8.4	21.9	7.4	17.9	8.7
10	22.1	12.1	17.8	9.2	17.3	10.5
20	21.0	15.8	17.5	11.2	16.8	12.8
50	22.5	18.4	17.2	14.0	18.4	15.2
100	24.9	21.3	19.2	16.4	20.5	17.6
200	26.9	24.7	21.8	19.9	23.2	21.2
300	26.9	26.0	—	—	—	—

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

TAHRIR — DECEMBER 1961

Depth in Cms.	Dry soil		Wet soil		Crass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	31.0	6.0	—	—	—	—
1	30.6	6.2	—	—	—	—
2	29.4	6.2	—	—	—	—
5	26.2	7.9	—	—	—	—
10	22.9	9.2	—	—	—	—
20	20.0	11.7	—	—	—	—
50	19.5	15.6	—	—	—	—
100	21.3	18.3	—	—	—	—
200	24.2	21.4	—	—	—	—
300	25.2	23.2	—	—	—	—
600	25.7	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 — DECEMBER 1961

10 Knots or more			23 Days	30 Knots or more			0 Days
15	,,	,,	,, 11 ,,	35	,,	,,	,, 0 ,,
20	,,	,,	,, 2 ,,	40	,,	,,	,, 0 ,,
25	,,	,,	,, 0 ,,	The highest gust 29 knots on 28th			

Printed at the General Organization for Government Printing Offices, Cairo
Under-Secretary of State
ALY SULTAN ALY
Chairman of the Board of Directors

12383-1968-150