UNITED ARAB REPUBLIC

LIBRARY
N.O.A.A.
U.S. Dept. of Commerce

MONTHLY WEATHER REPORT

VOLUME 6 NUMBER 1

JANUARY, 1963

QC
991
.E3
M6
v.6
1963

U.D.C. 551.506.1 (62)

MINISTRY OF WAR—METEOROLOGICAL DEPARTMENT
CAIRO—EGYPT

105 205

National Oceanic and Atmospheric Administration

Environmental Data Rescue Program

ERRATA NOTICE

One or more conditions of the original document may affect the quality of the image, such as:

Discolored pages
Faded or light ink
Binding intrudes into the text

This document has been imaged through the NOAA Environmental Data Rescue Program. To view the original document, please contact the NOAA Central Library in Silver Spring, MD at (301) 713-2607 x124 or www.reference@nodc.noaa.gov.

Information Manufacturing Corporation
Imaging Subcontractor
Rocket Center, West Virginia
September 14, 1999

435

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

TABLE 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 ... 33–36
" A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena ... 37,38
" A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges ... 39,41
" A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours ... 42–67

Upper Air Data

TABLE B 1.—Upper Air Climatological Data ... 68–70
" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air ... 71,72
" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces. 73–78

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir ... 79,80
TABLE C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields ... 81,82
" C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall ... 83,84
" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields ... 85
" C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity ... 86

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 in 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 1963 giving information about the instruments used and their exposure, the methods of observation and the methods of computing the means and frequencies.

Cairo, October 1964.

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 1 being for January and 12 for December. The reference number of January 1958 is volume 1, number 1.

M. F. TAHA
UNDER SECRETARY OF STATE
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	—
— 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 for 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 using 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 daily value of the atmospheric pressure included in this tatble is 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 daily value of the dry bulb or of the wet bulb thermometer readings is the arithmetical mean over the month of the corresponding 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 daily value of the relative humidity is 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 derivation of the relative humidity is 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 daily 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 screems at the station.

This table gives the following data :—

— The monthly mean daily values of the "Station Pressure" and of the "M.S.L. Pressure" and their deviations from the correspon ding 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 daily 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 A3.

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 stations 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 evaporating surface has an effective area of 10.1 centimetres square, white in colour, and at a height of [illegible] 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 1600 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 [illegible] hours of observations and their deviations from the corresponding normal values ; the 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 [illegible], Duststorms or Sandstorms, Drifting snow, Blowing snow, Gales, Cloudy sky and Clear sky. 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 (ff_m) 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; th 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 Iliii	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) Above building	Height of wind recording instruments (metres) Above ground	Synoptic observations 00	03	06	09	12	15	18	21	Hourly observations (H) Half hourly observ. (h) (0000-2400)	Upper air observations P (Pilot Balloon) W (Radio Wind) R (Radio Sonde) 00	06	12	18	Remarks
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	22.8	24.0	10	14	—	—	×	×	×	×	×	—	H	—	—	—	—	0600—1800
	Mersa Matruh ... (A)	306	31 20	27 13	28.3	30.0	30.0	8	15	×	×	×	×	×	×	×	×	H	RW	P	RW	P	
	Ras El Hikma ..	308	31 14	27 52	40.0	45.8	45.8	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	0600=1800
	Dabaa	309	31 56	28 28	17.0	18.0	17.8	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	0600—1800
	Dekheila ... ... (A)	316	31 08	29 48	—0.7	6.0	5.9	7	15	×	×	×	×	×	×	×	×	—	—	—	—	—	
	Ras El Teen	317	31 12	29 51	10·8	8.4	8.4	—	—	×	×	×	×	×	×	×	×	H	—	—	—	—	
	Alexandria ... (A)	318	31 12	29 57	—3.4	7.0	6.8	10	18	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Balteem	325	31 33	31 06	1.0	2.0	2.0	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	0600=1800
	Damietta	330	31 25	31 49	3.0	5.0	5.0	—	—	—	—	×	—	×	×	×	×	H	—	—	—	—	0600—1800
	Port Said ... ... (A)	333	31 17	32 14	1.9	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	10	18	×	×	×	×	×	×	×	×	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	3.8	4.0	3.6	10	14	—	—	×	×	×	×	×	—	H	—	—	—	—	Hourly(0600-1200)
	Damanhour	339	31 02	30 28	4.4	6.7	6.7	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Tanta...	348	30 47	31 00	14.0	14·8	15.4	10	14	—	—	×	×	×	×	×	—	H	—	—	—	—	0600—1800
	Tahrir	345	30 39	30 42	15.6	16.0	18.6	12	15	—	—	×	×	×	×	×	—	H	—	—	—	—	0600=1800
	Shebin El Kom ...	360	30 36	31 01	12.0	13.1	13.8	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	0600—1800
	Zagazig	354	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	—	—	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	Hourly(0600-1200)
	Zaher... ... ... (A)	365	30 24	31 35	18.5	23.6	23.3	10	18	—	—	×	×	×	×	×	—	H	—	—	—	—	0600=1800
	Wadi El Natrun ...	357	30 23	30 21	—1.0	0.9	0.9	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	0600—1800
	Inshas .. .. (A)	364	30 23	31 28	20.1	25.5	25.6	—	—	×	×	×	×	×	×	×	×	H	—	—	—	—	
	Fayed... ... ... (A)	444	30 19	32 17	33.0	35.0	35.0	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	0600—1800
	Kabrit ... ... (A)	446	30 15	32 29	4.0	4.9	4.8	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	0600—1800
	Delta Barrage	367	30 11	31 08	20.0	—	—	—	—	—	—	×	—	—	—	—	—	—	—	—	—	—	
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 54	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	—	—	—	—	0600—1800
	Giza	375	30 02	31 13	21.0	22.5	22.5	8	10	—	—	×	×	×	×	×	—	H	—	—	—	—	0600=1800
	Helwan	378	29 52	31 20	139.3	140.7	140.7	—	—	×	×	×	×	×	×	×	×	H	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	—	—	—	—	0600=1800
	Beni Suef	384	29 04	31 06	28.4	30.0	30.0	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	0600=1800
	Seds	—	28 54	30 56	30.5	—	—	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	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	—	—	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Asyout(Mangabad)(A)	393	27 11	31 06	71.0	69.6	69.5	15	20	×	×	×	×	×	×	×	×	H	P	P	P	P	
	Shandaweel	396	26 36	31 38	59.0	—	—	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Nag Hammadi ...	399	26 03	32 15	68.7	70.5	70.5	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Kena	402	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	—	—	—	—	0600—1800
	Aswan ... ... (A)	414	23 58	32 47	200.0	193.5	200.0	10	14	×	×	×	×	×	×	×	×	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 20	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	—	—	—	—	×	—	×	—	×	—	—	—	—	—	—	
	Abu Redes	458	28 53	35 10	2.5	4.0	4.0	—	—	—	—	×	×	×	×	×	—	H	—	—	—	—	0600—1800
	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	Fuka	30	04	27	55	26
	Hammam	30	50	29	25	15
	Borg El Arab	30	55	29	32	10
	Mex...	31	09	29	50	5
	Tolombat El Tabia	31	18	30	04	1
	Kom El Tarfaya	31	14	30	09	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 1963

Deficient in rain. Abnormally warm during the 1st three weeks, cold with light rain otherwise. Dusty in the north most of the 4 th week.

THE MAIN FEATURES

— Two prevailing marked warm spells, a prolonged one during the 1st half and a short one during the 4th week. A marked cold spell within the last week.

— Rather normal relative humidity in the northern parts, abnormally high in the middle parts and subnormally low in the southern parts of the Republic.

— Subnormal monthly rainfall particularly over the Mediterranean coastal strip.

— Four secondary Mediterranean depressions' transits through East Mediterranean.

— Early morning mist or fog over the Delta and Cairo areas most of the first three weeks.

— Marked instability in the surface layers causing occasional sandrising or sandstorms between the 22nd and the 25th.

GENERAL DESCRIPTION OF WEATHER

During the first three weeks, the Republic enjoyed a prolonged warm spell which was characterized by abnormally high maximum temperatures in general and frequent early morning mist or fog over the Delta and Cairo areas.

The prevailing warmth terminated round the 24th when a marked cold spell was experienced till the end of the month. It was characterized by alternating occasional light rain and blowing sand over most of the northern and middle parts of the Republic.

It is worth to mention that minimum temperature dropped to 0°C on the 29th in Giza and Luxor ; to —1°C at Seds, Siwa and Bahariya ; to —2°C at Minya, and dropped to —3.3°C at Dakhla which was a record for Dakhla since 1905.

THE FOLLOWING TABLE GIVES THE MEAN MONTHLY DISTRICT VALUES OF VARIOUS METEROLOGICAL 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					
	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	1016.7	—1.0	20.0	+1.6	9.2	+0.6	14.6	+1.1	63	— 7	12.8	— 22.3
Lower Egypt	1017.4	—0.6	21.2	+1.5	7.6	+0.7	14.4	+1.1	65	—12	5.6	— 7.8
Cairo Area	1017.4	—0.8	21.5	+2.3	8.7	+1.0	15.1	+1.6	53	—10	0.0	— 3.2
Upper Egypt	1016.8	—1.1	23.9	+2.1	6.9	+1.0	15.4	+1.6	51	— 7	0.0	— 0.4
Western Desert	1017.4	—1.5	23.1	+2.4	5.0	+0.2	14.0	+1.3	41	—13	0.0	— 0.2
Red Sea	1015.9	—1.0	23.7	+2.4	12.5	+1.7	18.1	+2.0	48	— 8	0.0	0.0

Note : The above monthly district means for atmospheric pressure and relative humidity are computed from the corresponding means for all stations that take daily 24 hourly observations in each district.

PRESSURE DISTRIBUTION

The barometric pressure over East Mediterranean was rather oscillatory round normal during the first 3 weeks of the month, then continued markedly below its normal for the rest of the month. The pressure distribution over the surface map during this month was characterized by the large scale warm Azores' anticyclone extending SE wards over North Africa, the cold Siberian anticyclone extending SW wards, togehter with four travelling secondary depressions through East Mediterranean towards Iraq.

The first secondary depression appeared on the 1st over Greece, then it overran East Mediterranean on the 2nd.

The second secondary depression developed over north Italy on the 4th, but filled on the 5th and 6th, then regenerated on the 7th and steadily proceeded eastwards while filling. It traversed East Mediterranean on the 10th.

The third secondary depression developed over the Gulf of Genoa on the 10th and slightly moved eastwards while filling on the 11th. On the 12th it showed regression with marked deepening, then started moving ESE wards on the 13th while slowly filling. It passed by Greece on the 14th, recurving ENE wards and traversing East Mediterranean on the 15th.

Between the 15th and 20th, a ridge of high pressure operated over East Mediterranean causing a marked rise in the barometric pressure. Round the 18th, the barometric pressure attained its maximum monthly value (about 6 mbs above normal).

Round the 19th, this ridge started filling while retreating eastwards as a result of the eastward progress of a deep low over West Mediterranean. This deep low kept moving ENE wards and traversed central Italy on the 19th ; then it changed its course and proceeded ESE wards while filling. It passed by Greece on the 20th, continued its motion eastwards and reached Cyprus on the 21st where it was stationary for 3days while it experienced a marked deepening. Round the 23rd, the barometric pressure over the East Mediterranean dropped to its minimum monthly values. This depression traversed East Mediterranean on the 24th, while a complex Mediterranean low pressure system developed over both central and east Mediterranean regions where it showed no material change in intensity or motion till the end of the month.

Over the Mediterranean area and adjacent areas, the Polar and Subtropical jet streams were evident during the whole month in the troposphere round 290 mb and 170 mb levels respectively.

The Polar jet stream oscillated between latitudes 45 & 65°N, while the Subtropical jet stream oscillated between latitudes 25 & 35°N.

Meanwhile, round the 2nd, 10th, 15th & 24th, the corresponding days of travelling upper troughs through East Mediterranean region, the Polar jet stream has been displaced appreciably southwards and was evident round latitude 35°N. During these days both effective heights of the Polar and Subtropical jet streams have been lowered for the most to 490 and 390 mb levels respectively.

The highest wind speeds recorded at Mersa Matruh, Helwan and Aswan were 156, 152 & 175 knots on the 23rd, 5th and 22nd respectively.

SURFACE WIND

During this month, the prevailing winds were light to moderate in general: W/SWly round the periods (1st—5th) & (20th—25th) ; W/NWly round the periods (11th—18th) & (26th—31st) ; E/NEly round the period (6th—8th).

Fresh to strong winds blew in association with the frontal transits in general and were frequent over the Mediterranean coastal strip west Alexandria and Red Sea coastal strip in the NW cold stream.

Gales were reported at Ras El Hikma on the 25th ; Dabaa on the 23rd, 24th & 25th ; Alexandria on the 23rd ; Ghazza on the 23rd & 25th ; Tahrir on the 23rd ; Abu Sueir on the 25th ; Fayed on the 23rd & 25th ; and at Farafra on the 23rd.

TEMPERATURE

Maximum temperature was remarkably above its normal most of the first three weeks. It oscillated between 22 & 27°C in the northern and central districts, and between 26 & 32°C in the southern districts.

Starting from the 23rd, maximum temperature dropped considerably below its normal and continued subnormal till the end of the month. The lowest maximum temperatures were recorded round the 26th all over the Republic. The absolute maximum temperature for the Republic was 33.0°C reported at Aswan on the 22nd.

Minimum temperature was above normal during most of the first three weeks, but considerably below normal in the last week. The lowest minimum temperatures were recorded round the 29th. The absolute minimum for the Republic was —3.3°C recorded at Dakhla on the 29th. This minimum is a record for this station since 1905.

PRECIPITATION

During this month, rainfall was light, deficient in general and confined to the Mediterranean and Lower Egypt districts.

Rain fell during the periods (16th—17th), (22nd—26th) and (30th—31st).

The monthly rainfall was remarkably subnormal while the daily rainfall was heavy over some localities in the Mediterranean coastal strip on the 25th and 26th.

The maximum monthly rainfall was 54.9 mms at Balteam, while the maximum daily rainfall was 34.0 reported also at Balteam on the 25th.

MISCELLANEOUS WEATHER PHNOMENA

Rain fell at : Sallum on the 22nd, 23rd & 25th ; Sidi Barrani on the 16th & (22nd—26th) ; Mersa Matruh on the 17th, 23rd, 25th & 26th ; Ras El Hikma on the 16th, 23rd & 25th ; Dabaa on the 23rd, 25th, 26th & 30th ; Dekheila on the 17th, 23rd, 25th, 26th & 31st ; Ras El Teen on the 17th, 25th, 26th, 27th & 31st ; Alexandria on the 17th, 23rd, 25th, 26th, 27th & 31st ; Balteam on the 2nd, 10th, 17th, 23rd, 25th, 26th & 31st ; Damietta on the 16th, 25th, 26th & 31st ; Port Said on the 25th, 26th & 31st ; Ghazza on the 17th & 31st ; El Sirw on the 17th, 27th & 31st ; Mansoura on the 26th & 31st ; Damanhour on the 17th, 25th & 26th ; and at Tanta on the 26th & 30th.

Hail fell at Ras El Teen on the 26th and at Alexandria on the 25th.

Mist patches developed at : Sallum & Mersa Matruh on the 6th ; Dabaa on the 7th ; Alexandria on the 19th & 21st ; Port Said on the 8th, 9th, 15th, 20th, 21st & 28th ; El Arish on the 6th, 9th, 13th, 14th, 15th & 20th ; Mansoura on the 5th, 11th, 12th, 13th, 16th, 19th, 21st, 24th, 27th & 28th ; Tahrir on the 12th, 19th & 29th ; Shebin El Kom on the 4th, 8th, 12th, 13th & 20th ; Abu Sueir on the (2nd—5th), 12th, 16th, 17th & 21st ; Banha on the 4th & 13th ; Zaher on the 4th, 5th, 6th, 11th & 17th ; Inshas on the 8th, 10th, 11th & 12th ; Fayed on the 7th & 8th ;

Kabrit on the 11th & 15th ; Cairo (A) on the 4th, 6th, & 12th ; Mostafa Helmi on the (3rd—6th), 12th, 13th, 14th, 16th, 17th, 19th, 24th & 27th ; Almaza on the 3rd, 4th, 9th, 11th & 20th ; Abbasiya on the 4th, 5th, 10th & 12th ; Imbaba on the 5th, 8th, 9th, 10th, 12th, 13th, 15th, 16th, 18th & 24th ; Giza on the 3rd, 4th, 7th, 8th, 9th, 16th, 17th & 19th ; Fayoum on the 4th, 10th, 12th & 20th ; Minya on the 1st, 5th, 7th, 8th, 9th, 12th, 13th & 14th ; Asyout on the 5th & 7th ; and at Bahariya on the 15th.

Fog patches developed at : Ras El Hikma on the 8th ; Dabaa on the 9th ; Dekheila & Ras El Teen on the 7th, 8th, 9th & 13th ; Alexandria on the (4th—9th), 13th, 14th & 20th ; Balteam on the 9th ; Port Said on the 6th & 10th ; El Arish on the 7th & 8th ; Mansoura on the 4th, (6th—10th), 15th & 20th ; Tahrir on the (5th—9th), 13th & 20th ; Shebin El Kom on the 6th, 9th & 10th ; Abu Sueir on the (6th—10th), 15th & 20th ; Banha on the 6th, 9th, 10th, 12th, 15th & 20th ; Zaher on the 7th, 9th, 10th, 15th & 20th ; Wadi El Natrun on the 7th, 9th, 14th & 21st ; Inshas on the 6th, 7th, 9th, 15th & 20th ; Cairo (A) on the 7th, 9th, 10th, 15th & 20th ; Mostafa Helmi on the (7th—11th), 16th & 21st ; Almaza on the 7th, 10th & 15th ; Abbasiya on the 7th, 9th, 15th & 20th ; Imbaba on the 6th, 7th & 20th ; Giza on the 6th, 10th, 12th, 13th, 15th & 20th ; Fayoum on the 15th ; Beni Suef on the 7th & 15th ; Minya on the 15th & 20th ; and at Asyout on the 5th.

Local rising sand or dust was reported at : Sallum on the 1st, 21st & 24th ; Sidi Barrani on the 1st & 24th ; Mersa Matruh on the 1st, (22nd—26th) & 30th ; Ras El Hikma on the 1st, (22nd—25th) & 30th ; Dabaa on the 1st, 24th, 25th & 30th ; Dekheila on the 23rd & 30th ; Alexandria on the 23rd, 24th, 25th & 30th ; Balteam on the 23rd ; Damietta on the 23rd & 25th ; Port Said on the 23rd, 25th & 26th ; El Arish on the 2nd, 23rd & 25th ; Ghazza on the 21st & (23rd—26th) ; Mansoura, Tahrir & Banha on the 23rd & 25th ; Abu Sueir on the 21st & (22nd—25th) ; Zaher on the 2nd, 9th, 21st, 23rd, 24th, 25th & 30th ; Wadi El Natrun on the 23rd, 25th & 30th ; Inshas on the 3rd, 14th, (21st—25th) & 28th ; Fayed on the 21st, 23rd & 25th ; Kabrit on the 6th, 7th, & 8th ; Cairo (A) on the 1st, 21st, 23rd & 25th ; Mostafa Helmi on the 23rd, 24th, 25th & 30th ; Almaza & Abbasiya on the 21st, 23rd & 25th ; Imbaba on the 23rd & 25th ; Giza, Helwan, Beni Suef & Minya on the 23rd ; Asyout on the 23rd & 25th ; Siwa on the 22nd & 24th ; Bahariya & Dakhla on the 23rd ; Farafra on the 22nd, 23rd & 25th ; Abu Redes on the 23rd, 25th & 26th ; Hurghada on the 17th & 23rd; and at Quseir on the 3rd, 17th, 18th, 19th, 23rd & 24th.

Sand or duststorms blew over : Mersa Matruh on the 23rd & 24th ; Dabaa on the 23rd, 24th & 25th ; Dekheila, Ras El Teen & Alexandria on the 23rd & 25th ; El Arish on the 25th ; Tahrir on the 23rd ; Abu Sueir & Fayed on the 23rd & 25th ; Cairo(A) & Mostafa Helmi on the 23rd; Bahariya on the 23rd ; and over Farafra on the 22nd & 23rd.

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 "H_p" AND TO MEAN SEA LEVEL

JANUARY 1963

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	Salluia	6.0	1015.6	—	1016.1	—0.9	1015.0	—0·8	1015.7	—0.7	6·0	1016.1	—	1016.6	—0.8	1015.5	—0.7	1016.2	—0.6
	Sidi Barrani	22·8	1013.2	—0.8	1013.5	—0.7	1012.3	—1.0	1013.3	—0.5	24·0	1015.8	—0.8	1016.1	—0.7	1014.9	—1.0	1015.9	—0.5
	Mersa Matruh ... ... (A)	30·0	1012.9	—0.4	1013·3	—0.7	1012.3	—0.6	1013.2	—0.6	30·0	1016.6	—0.4	1017.0	—0.7	1016.0	—0.6	1016.9	—0.6
	Ras El Hikma	45.8	1010.9	—	1011.0	—	1010.0	—	1010.9	—	45·8	1016.5	—	1017.3	—	1015.6	—	1016.5	—
	Dabaa	18.0	1014.0	—	1014.5	—	1013.2	—	1014.2	—	17·8	1016.0	—	1016.5	—	1015.2	—	1016.2	—
	Dekhella ... ... (A)	6·0	1016.5	—	1017·0	—	1015.7	—	1016.6	—	5·9	1017·2	—	1017.7	—	1016.4	—	1017.3	—
	Ras El Teen	8.4	1016.2	—	1016·6	—	1015.4	—	1016.3	—	8·4	1017.2	—	1017.6	—	1016.4	—	1017.3	—
	Alexandria ... ... (A)	7·0	1016.2	—0.5	1016·8	—0.3	1015.2	—0.8	1016.3	—0.5	6·8	1017.0	—0.5	1017.6	—0·3	1016.0	—0·8	1017.1	—0.5
	Baltoum	2.0	1017.0	—	1017·5	—	1016.3	—	1017.2	—	2.0	1017.2	—	1017.7	—	1016·5	—	1017.4	—
	Damietta	5·0	1016.9	—	1017.6	—0.2	1015.8	—0.6	1017.0	—0.2	5.0	1017.3	—	1018.0	—0.2	1016.2	0.6	1017.4	—0.2
	Port Said ... ... (A)	7.4	1016.2	—0·9	1016.8	—0.8	1015.3	—1.1	1016·4	—0.9	6.1	1016·9	—0.9	1017.5	—0·8	1016.0	—1.1	1017.1	—0.9
	El Arish	17.1	1015.5	—0·6	1016.1	—0.9	1014.4	—1.2	1015.6	—0.7	17·1	1017·4	—0.6	1018.0	—0·9	1016.3	—1.2	1017.5	—0.7
	Ghazza	15·7	1015.4	—	1016.0	—	1014.4	—	1015.4	—	15·7	1017.3	—	1017.9	—	1016.3	—	1017.3	—
LOWER EGYPT	Mansoura	4·0	1016.7	—	1017·7	—0·1	1015.9	—0.5	1016.8	—0.7	3·6	1017.1	—	1018.1	—0 1	1016.3	—0·5	1017.2	—0.7
	Damanhour	6·7	1016.4	—	1017·0	—0.9	1015.6	—1.1	1016.3	—1.1	6·7	1017.1	—	1017.7	—0.9	1016.3	—1.1	1016.9	—1.1
	Tanta	14·8	1015.2	—	1015.9	—1.3	1014.1	—1.4	1015.4	—1.2	15·4	1016.4	—	1017·1	—1.3	1015.3	—1.4	1016.6	—1.2
	Tahrir	16·0	1014·7	—	1015·6	—	1013.8	—	1014.9	—	18·6	1017.0	—	1017.9	—	1016.0	—	1017.1	—
	Shebin El-Kom	13.1	1015.7	—	1016.5	—0.7	1014.7	—0.9	1015.6	—1.0	13.8	1017.2	—	1018.0	—0.7	1016.2	—0.9	1017.1	—1.0
	Zagazig	13.0	1015.9	—	1016.8	—0.7	1015.0	—0.6	1016.3	—0.4	13.0	1017.5	—	1018.4	—0.7	1016.6	—0.6	1017.8	—0.5
	Abu Sueir ... ... (A)	16.0	1015.8	—	1016.5	—	1014.4	—	1015.9	—	16.0	1017.7	—	1018.5	—	1016.3	—	1017.8	—
	Banha..	14.9	1015.4	—	1016.3	—	1014.2	—	1015.5	—	14.9	1017.2	—	1018.1	—	1016.0	—	1017.3	—
	Zaher ... ... (A)	23.5	1013.0	—	1013.7	—	1012.0	—	1012.9	—	23.3	1016.7	—	1017.4	—	1015.6	—	1016.6	—
	Wadi El Natrun	0.9	1018.0	—	1018.6	0.0	1016.9	0.0	1018.1	+0.3	0.9	1018.1	—	1018.7	0.0	1017.0	0.0	1018.2	+0.3
	Inshas .. .. (A)	25.5	1013.0	—	1013.8	—	1011.9	—	1013.0	—	25.6	1016.2	—	1016.9	—	1014.9	—	1016.1	—
	Fayed ... ... (A)	35.0	1015.4	—	1016.3	—	1014·2	—	1015.7	—	35.0	1017.9	—	1019.0	—	1016.7	—	1018.3	—
	Kabrit ... ... (A)	4.9	1016.4	—	1017·3	—	1015.2	—	1016.4	—	4.8	1017.8	—	1018.7	—	1016.6	—	1017.8	—
CAIRO AREA	Cairo ... ... (A)	74.5	1009.4	—0.8	1010.2	—0.5	1008.4	—1.1	1009.6	—0.6	74.0	1017.3	—0·8	1018.1	—0.6	1016.1	—1.1	1017.4	—0.7
	Mostafa Helmi ... ... (A)	164.0	997.7	—	998.0	—	996·4	—	997.7	—	164.0	1017.5	—	1017.8	—	1015.6	—	1017.2	—
	Almaza ... ... (A)	78.5	1007.6	—1.0	1008.3	—1.0	1006.5	—1.1	1008.1	—0.6	78.6	1017.1	—1·0	1017.8	—1.0	1015.7	—1.2	1017.2	—1.0
	Abbasiya (H.Q.)	26.4	1014.1	—	1015.4	—	1013.3	—	1014.5	—	26.4	1018.2	—	1019.1	—	1016.9	—	1018.2	—
	Imbaba ... ... (A)	19.0	1015.2	—	1016.0	—	1014.1	—	1015.1	—	19.0	1017.3	—	1018.1	—	1016.2	—	1017.2	—
	Giza	22.5	1014.8	—	1015.5	—0.9	1013.7	—0.9	1014.6	—1.0	22.5	1017.6	—	1018.3	—0.9	1016.5	—0.9	1017.4	—1.0
	Helwan	140.7	1000.6	—	1001.5	—0.6	999.6	—0.7	1000.7	—0.6	140.7	1017.6	—	1018·8	—0.6	1016.4	—0.7	1017.8	—0.6

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

JANUARY 1963

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	1014.8	—	1015.8	—0.1	1013.6	—0.2	1014.6	—0.2	23.3	1017.9	—	1018.9	—0.1	1016.5	—0.3	1017.6	—0.2
	Beni Suef	30.0	1013.6	—	1014.9	—0.7	1012.7	—0.8	1013.1	—1.3	30.0	1013.3	—	1018.6	—0.7	1016.2	—0.7	1016.6	—1.4
	Minya ... ... (A)	40.0	1012.5	—1.2	1013.5	—0.7	1011.6	—1.0	1012.3	—1.2	40.3	1017.8	—1.0	1018.6	—0.7	1016.4	—1.0	1017.2	—1.2
	Asyout (Mangabad) ... ... (A)	69.6	1009.3	—0.5	1010.5	—1.0	1008.1	—0.8	1009.1	—0.7	69.5	1017.8	—0.6	1019.0	—0.9	1016.3	—0.8	1017.4	—0.8
	Nag Hammadi	70.5	1009.1	—	1010.4	—0.7	1007.8	—0.8	1008.8	—0.8	70.5	1017.6	—	1018.8	—0.9	1015.9	—1.0	1017.2	—0.9
	Kena	74.2	1008.8	—	1009.4	—1.0	1006.8	—0.7	1007.4	—1.2	74.2	1017.9	—	1018.4	—1.0	1015.3	—0.8	1016.2	—1.2
	Luxor ... ... (A)	88.5	1005.7	—1.4	1007.1	—1.4	1004.4	—1.6	1005.2	—1.5	88.4	1016.3	—1.5	1017.6	—1.5	1014.5	—1.7	1015.6	—1.6
	Kom Ombo	102.6	1003.4	—	1004.7	—	1001.8	—	1002.9	—	102.6	1015.7	—	1016.9	—	1013.6	—	1014.9	—
	Aswan ... ... (A)	193.5	992.1	—	993.5	—1.3	990.7	—2.1	991.8	—1.9	200.0	1016.0	—	1017.6	—1.4	1013.8	—2.2	1015.3	—2.1
Western Desert	Siwa	-13.5	1019.2	—1.3	1020.1	—1.2	1018.3	—1.4	1018.9	—1.3	-13.3	1017.3	—1.3	1018.2	—1.2	1016.6	—1.4	1017.1	—1.2
	Bahariya	129.5	1002.4	—	1003.0	—1.3	1001.3	—1.7	1002.3	—1.7	129.6	1018.4	—	1019.1	—1.2	1016.6	—1.6	1018.0	—1.7
	Farafra	91.8	1007.9	—	1009.0	—0.2	1007.3	—0.6	1007.8	—0.5	92.1	1019.3	—	1020.5	—0.2	1018.2	—0.6	1019.0	—0.5
	Dakhla	111.5	1002.4	—	1003.2	—2.0	1001.1	—1.9	1001.9	—2.1	111.5	1016.0	—	1016.9	—2.0	1014.0	—2.0	1015.1	—2.2
	Kharga	72.8	1008.4	—	1009.8	—1.6	1007.2	—2.2	1008.3	—1.9	73.0	1017.1	—	1018.4	—1.8	1015.5	—2.3	1016.9	—1.9
Red Sea	Suez	11.0	1016.4	—	1017.0	—0.5	1015.2	—1.1	1016.4	—0.2	12.2	1017.6	—	1018.2	—0.5	1016.4	—1.1	1017.6	—0.2
	Abu Redes...	4.0	1015.7	—	1017.0	—	1014.9	—	1015.9	—	4.0	1016.1	—	1017.4	—	1015.3	—	1016.3	—
	Tor	4.2	1015.6	—	1016.6	—0.9	1014.5	—1.3	1015.4	—1.0	4.2	1016.0	—	1017.0	—0.9	1014.9	—1.3	1015.8	—1.0
	Hurghada	2.8	1015.9	0.0	1017.0	—0.4	1014.6	—0.9	1015.8	—0.6	2.8	1016.1	0.0	1017.2	—0.4	1014.8	—0.9	1016.0	—0.6
	Quseir	11.3	1014.5	—	1015.5	—1.2	1013.8	—1.3	1014.6	—1.2	11.3	1015.5	—	1016.5	—1.2	1014.8	—1.3	1015.6	—1.2
	Abul Kizan	5.0	1014.8	—	1015.6	—	1013.8	—	1014.7	—	5.0	1015.3	—	1016.1	—	1014.3	—	1015·2	—

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

JANUARY 1963

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	12.6	—	10.8	−0.6	19.5	+1.7	15.7	+1.3	9.0	—	7.8	−1.0	13.0	+0.5	11.4	+0.4	59	—	63	−6	43	−7	56	−7
	Sidi Barrani	10.7	+0.4	9.9	+0.2	18.8	+1.5	14.0	+0.8	8.0	−0.1	7.6	+0.1	12.8	+0.7	10.6	+0.4	67	−3	70	−1	46	−5	63	−3
	Mersa Matruh... (A)	10.7	+0.6	10.1	−0.3	19.0	+1.7	12.8	−0.1	8.0	−0.1	7.6	−0.7	12.4	+0.1	9.5	−0.6	67	−5	68	−5	41	−11	62	−6
	Ras El Hikma	12.6	—	12.4	—	17.6	—	14.7	—	9.7	—	9.4	—	12.8	—	11.1	—	63	—	65	—	54	—	61	—
	Dabaa	9.5	—	8.4	+2.0	18.6	+1.0	12.7	−0.3	6.9	—	6.1	−2.1	12.4	+0.2	9.6	−0.5	66	—	69	−3	42	−7	65	−2
	Bekheila ... ... (A)	12.3	—	11.0	−1.7	18.7	+1.5	14.6	—	9.8	—	8.8	−1.6	13.3	+0.1	11.6	—	71	—	73	−1	51	−10	68	—
	Ras El Teen	14.7	—	13.8	—	17.4	—	16.1	—	12.2	—	11.5	—	13.4	—	13.1	—	73	—	74	—	61	—	69	—
	Alexandria ... (A)	11.7	+0.3	11.5	+0.1	19.5	+1.8	14.0	+0.8	10.0	+0.2	9.8	+0.2	13.9	+1.1	11.8	+0.7	79	−1	80	+2	50	−4	76	0
	Rolteam	14.2	—	13.7	—	18.9	—	15.3	—	11.4	—	10.9	—	14.2	—	12.4	—	69	—	69	—	57	—	69	—
	Damietta	10.8	—	10.3	−0.9	19.7	+2.7	13.4	+0.5	9.6	—	9.1	−0.7	14.5	+1.5	11.7	+0.3	86	—	85	+2	54	−7	81	−1
	Port Said ... ... (A)	14.2	+1.0	13.3	+0.3	18.5	+1.3	15.5	+0.9	12.3	+1.0	11.6	+0.7	14.2	+1.0	13.1	+0.8	79	+1	81	+5	60	−1	75	0
	El Arish	11.5	+1.2	12.2	+1.0	20.0	+2.5	14.5	+1.3	9.5	+0.8	9.8	+1.1	14.4	+1.3	12.1	+1.2	76	−3	72	0	51	−7	74	0
	Ghazza	12.4	—	12.3	—	18.3	—	15.5	—	10.6	—	9.7	—	14.9	—	12.8	—	72	—	70	−7	67	—	71	—
LOWER EGYPT	El Sirw	10.1	—	11.2	+0.1	18.9	+1.1	13.7	+1.1	—	—	9.7	−0.1	13.8	−0.2	12.0	+1.1	—	—	81	−2	53	−10	81	0
	Sakha	9.1	—	11.5	+1.9	21.5	+2.7	12.1	+2.0	—	—	9.8	+1.3	15.5	+1.2	10.1	+1.2	—	—	80	−6	50	−4	76	−9
	Mansoura	8.0	—	9.3	−0.4	19.8	+1.6	11.8	−0.9	7.2	—	8.2	−0.1	14.4	+1.2	10.1	−0.5	89	—	86	+4	52	−2	80	−4
	Damanhour	9.5	—	11.4	+1.6	19.9	+2.3	12.7	+0.5	—	—	9.9	+1.5	14.1	+1.0	11.1	+0.9	—	—	82	+1	49	−8	82	−5
	Tanta...	9.0	—	9.5	−0.1	20.5	+1.7	12.6	+0.7	7.6	—	7.7	−0.6	14.4	+0.7	10.4	+0.4	81	—	76	−7	47	−6	75	+2
	Tahrir	9.9	—	9.8	—	20.2	—	13.7	—	8.0	—	8.0	—	12.8	—	10.6	—	78	—	79	—	42	—	68	+
	Shebin El Kom ...	9.6	—	8.8	+0.6	21.2	+2.2	13.4	+1.0	8.1	—	7.4	−0.2	15.0	+1.9	11.1	+1.3	80	—	81	+5	48	+1	75	+5
	Zagazig	10.5	—	10.1	+0.5	19.9	+1.2	14.5	+2.2	—	—	8.3	−0.1	13.9	−0.1	11.8	+1.2	—	—	76	−8	47	−10	71	−9
	Abu Sueir... ... (A)	10.0	—	10.2	—	20.6	—	14.3	—	8.2	—	8.2	—	13.0	—	10.8	—	76	—	74	—	36	—	62	—
	Banha	10.7	—	9.5	−0.1	19.4	—	14.1	—	8.8	—	7.9	−0.7	13.8	—	11.2	—	76	—	79	−4	50	—	68	—
	Zaher... ... ... (A)	10.2	—	10.4	—	20.2	—	14.2	—	8.4	—	8.0	—	13.4	—	11.0	—	76	—	70	—	42	—	65	—
	Wadi El Natrun ...	9.9	—	9.6	−0.6	21.3	+1.9	14.3	−0.3	7.2	—	7.3	−0.8	13.1	+0.5	10.1	−0.8	65	—	70	−3	33	−9	55	−5
	Inshas .. ..(A)	10.8	—	10.7	—	20.3	—	14.3	—	8.5	—	7.9	—	13.5	—	10.9	—	71	—	65	—	42	—	63	—
	Fayed ... ... (A)	11.1	—	11.4	—	21.0	—	14.6	—	8.4	—	8.7	—	13.2	—	10.4	—	67	—	67	—	35	—	55	—
	Kabrit ... ... (A)	11.4	—	10.7	—	20.6	—	15.1	—	9.2	—	8.3	—	13.8	—	11.4	—	73	—	70	—	42	—	61	—
CAIRO AREA	Cairo ... ... (A)	12.1	+0.8	11.7	+0.9	20.3	+1.9	15.2	+1.2	9.0	+0.2	8.6	+0.4	12.5	+0.4	10.6	+0.3	64	−5	63	−5	34	−9	52	−8
	Mostafa Helmi (A)	10.7	—	9.9	—	19.3	—	13.9	—	8.3	—	7.6	—	12.0	—	10.0	—	70	—	70	—	37	—	58	—
	Almaza ... ... (A)	11.7	+0.5	11.3	+0.6	20.9	+2.6	15.1	+1.5	8.5	−0.3	8.2	+0.1	13.1	+0.9	10.7	+0.8	62	−8	62	−6	35	−9	54	−5
	Abbasiya ... (H.Q.)	12.0	—	11.8	—	20.8	—	15.8	—	9.1	—	8.9	—	13.3	—	11.5	—	66	—	66	—	37	—	56	—
	Imbaba ... ... (A)	10.1	—	10.3	—	20.6	—	13.8	—	8.0	—	8.1	—	13.7	—	10.8	—	73	—	72	—	42	—	67	—
	Giza	9.9	—	10.1	+1.1	20.2	+1.4	13.9	+1.8	8.2	—	8.4	+0.8	12.9	+0.3	10.5	+0.8	80	—	80	−1	42	−3	66	−6
	Helwan	12.4	—	11.8	+1.7	20.4	+2.7	15.3	+1.4	8.7	—	8.2	+0.6	12.1	+0.9	10.1	+0.5	58	—	58	−10	31	−9	47	−7

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

JANUARY 1963

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	10·7	—	9.3	0.0	21.2	+1.9	14.4	+1.7	8.3	—	7.5	+0.4	13.7	+1.1	10·6	+1.0	70	—	76	+ 4	38	— 4	59	— 5
	Beni Suef	9.6	—	8.5	—0.8	21.5	+1.2	13.6	+1.1	7.2	—	6.2	—0.4	13.8	+0.7	10.1	+0.6	69	—	69	+ 5	37	— 2	61	— 4
	Seds	7.4	—	8.5	+0.5	21.4	+1.8	12.5	+0.9	—	—	6.8	+0.2	14.8	+1.1	10.0	+0.4	—	—	77	— 4	45	— 3	71	— 6
	Minya... ... ... (A)	7.0	+0.3	7.3	+0.3	21.5	+1.4	12.4	+0.6	5.7	+1.2	6.3	+1.1	13.9	+1.4	9.5	+1.3	81	+12	86	+13	38	+ 2	66	+ 8
	Mallawi	5.7	—	6.8	—	21.5	—	11.1	—	—	—	6.1	—	15.1	—	9.9	—	—	—	90	—	47	—	85	—
	Asyout(Mangabad)(A)	10.5	+0.5	8.9	—0.1	22.1	+2.4	15.4	+1.2	7.1	+0.6	6.0	+0.1	13.2	+1.5	10.0	+1.2	58	+ 2	62	+ 2	30	+ 2	45	+ 2
	Shandaweel	9.4	—	9.9	—0.1	22.3	+1.2	13.7	+1.5	—	—	8.2	+0.1	15.3	+0·9	11.6	+1.4	—	—	78	+ 3	44	0	77	0
	Nag Hammadi... ...	11.4	—	11.7	+1.5	23.1	+1.9	14.9	+2.2	—	—	9.5	+1.8	15.9	+3.0	11.9	+1.7	—	—	74	+ 6	43	+ 5	68	— 2
	Kena	11.6	—	12.1	+1.7	24.5	+3.3	16.2	+2.1	—	—	8.7	+0.8	16.2	+2.4	12.0	+1.6	—	—	61	— 8	38	— 1	58	— 2
	Luxor ... ... (A)	9.9	+1.0	11.2	+1.0	24.6	+3.5	15.4	+1·2	7.1	+1.4	7.6	+0.9	15.6	+2.3	11.1	+1.7	64	+ 6	57	+ 1	33	— 3	56	+ 7
	Kom Ombo	13.0	—	14.2	—	26.4	—	19.3	—	8.3	—	9.8	—	15.2	—	11.4	—	48	—	53	—	24	—	32	—
	Aswan ... ... (A)	13.7	—	13.1	+0.4	25·4	+2.7	19.5	+1.8	7.7	—	7.7	—0.8	13.9	+0.6	10.4	—0.2	36	—	41	—11	20	— 7	23	—12
WESTERN DESERT	Siwa	8.1	—0.1	6.4	—0.2	20.0	+1.5	12.8	+0.2	5.2	—0.7	4.2	— 0.4	12.1	+0.5	8.2	—0.3	61	—10	68	— 3	33	— 5	49	— 4
	Bahariya	8.4	—	7.6	—1.8	21.7	+3.1	14.8	+2.5	4.8	—	4.7	—2.1	12.7	+0.7	9.0	+0.4	52	—	60	— 6	29	—12	41	—16
	Farafra	8.9	—	6.1	—1.8	21.6	+1.9	14.9	+1.7	4.5	—	2.6	—2.6	12.2	—0.1	8.3	—0.3	44	—	49	—13	25	—11	33	—16
	Dakhla	7.4	—	7.3	—0.6	23.1	+2.7	15.0	+0.6	4.5	—	3.8	—0.8	12.6	+0.6	8.8	+0.3	49	—	[illegible]1	— 5	22	— 8	37	— 1
	Kharga	10.0	—	11.0	+0.5	24.6	+3.5	15.2	+0.6	6.8	—	7.6	+0.3	14.7	+0.9	9.8	+0.3	60	—	59	— 2	28	—11	45	— 2
RED SEA	Suez	13.5	—	12.4	+0.1	20.7	+2.0	16.4	+1.6	—	—	10·1	+0.3	15.0	+2.2	12.9	+1.8	—	—	78	— 7	51	+ 5	65	— 4
	Abu Redes	15.8	—	16.1	—	22.5	—	18.7	—	11·6	—	11.3	—	16.9	—	13.9	—	57	—	53	—	54	—	56	—
	Tor	13.2	—	13.4	+0.6	21.9	+2.0	17.5	+1.4	9.3	—	9.2	— 0.2	16.1	+1.1	12.7	+0.9	56	—	54	— 7	52	— 4	54	— 3
	Hurghada...	13.1	+1.1	14.7	+0.8	22.8	+3.1	17.9	+1.7	9.0	+0.4	9·6	+0.2	14.9	+0.7	13.0	+1·1	54	— 7	48	— 4	38	—13	54	— 3
	Quseir	18.1	—	18.9	+1.8	24.3	+2.9	20.5	+2.6	12.4	—	12.4	+0.2	16.7	+0.6	14.8	+0.7	47	—	42	—11	52	— 3	51	— 8
	Abul Kizan	—	—	23.9	+1.4	24.6	—1.4	23.2	+1.4	—	—	19.6	+0.9	20.1	+1.1	19.7	+1.5	—	—	65	— 3	64	— 1	71	+ 2

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

JANUARY 1963

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	1015.7	—0.7	1016.2	—0.6	20.5	+1.4	10.1	+1.5	15.3	a	15.0	+2.0	a	10.5	+0.5	a	53	—13
	Sidi Barrani	a	1013.1	—1.2	1015.7	—1.2	19.9	+1.6	8.7	+0.6	14.3	a	13.7	+1.7	a	10.0	0.0	a	59	— 8
	Mersa Matruh (A)	a	1013.0	—2.0	1016.7	—2.0	20.0	+2.1	8.1	—0.2	14.0	a	13.6	+0.8	a	9.6	—0.2	a	56	—10
	Ras El Hikma	a	1010.8	—	1016.4	—	18.5	—	10.7	—	15.1	a	14.4	—	a	10.7	—	a	60	—
	Dabaa	a	1014.0	—	1016.0	—	19.3	+0.5	7.1	+0.1	13.2	a	12.7	+0.7	a	9.0	—0.4	a	58	—12
	Dekheila (A)	a	1016.5	—	1017.2	—	19.5	+1.4	9.6	+0.4	14.6	a	14.4	—	a	11.1	—	a	64	—
	Ras El Teen	a	1016.2	—	1017.2	—	18.6	—	12.6	—	15.8	a	15.0	—	a	12.5	—	a	69	—
	Alexandria (A)	a	1016.3	—0.8	1017.1	—0.8	20.7	+2.6	9.0	—0.2	14.8	a	14.4	+0.8	a	11.5	+0.7	a	69	0
	Balteam	a	1017.0	—	1017.2	—	19.5	—	12.3	—	15.9	a	15.7	—	a	12.4	—	a	75	—
	Damietta	a	1016.8	—0.5	1017.2	—0.5	20.3	+1.5	9.1	+0.8	14.7	a	13.8	+1.4	a	11.4	+0.6	a	73	— 9
	Port Said (A)	a	1016.3	—0.7	1017.0	—0.7	19.6	+1.7	12.0	+0.7	10.7	a	15.4	+1.2	a	12.8	+1.1	e	72	— 1
	El Arish	a	1015.4	—1.0	1017.3	—1.0	21.5	+2.3	8.8	+0.6	15.2	a	14.6	+2.1	a	11.5	+1.3	a	67	— 6
	Ghazza	a	1015.3	—	1017.2	—	19.2	+1.0	10.0	+2.2	9.3	a	14.9	—	a	12.0	—	a	69	—
LOWER EGYPT	El Sirw	—	—	—	—	—	20.3	+1.1	8.2	+0.9	14.2	c	13.5	+1.3	c	11.8	+1.2	e	81	— 1
	Sakha	—	—	—	—	—	21.7	+2.5	7.2	+1.1	14.4	c	13.6	+2.6	c	11.6	+1.8	e	78	— 8
	Mansoura	a	1016.8	—0.4	1017.2	—0.4	20.5	+0.8	5.4	—1.8	13.0	a	12.6	+0.7	a	10.3	+0.2	a	74	— 5
	Damanhour	c	1016.3	—1.0	1017.0	—1.0	21.3	+1.7	7.9	+0.1	14.6	c	13.3	+1.5	c	11.7	+1.7	e	82	+ 3
	Tanta	a	1015.2	—1.2	1016.4	—1.3	21.2	+1.4	7.3	+1.3	14.2	a	13.3	+1.7	a	10.4	+0.4	a	67	—13
	Tahrir	a	1014.8	—	1017.0	—	21.8	+2.4	7.8	—0.1	14.8	a	13.8	+0.6	a	10.1	+2.2	a	63	—23
	Shebin El Kom	a	1015.7	—0.8	1017.2	—0.8	21.7	+1.5	7.6	+0.8	14.6	a	13.6	+1.4	a	10.7	+1.1	a	68	— 5
	Zagazig	c	1016.0	—0.6	1017.6	—0.6	21.1	+1.0	8.1	+2.1	14.6	c	13.8	+2.4	c	11.5	+1.6	e	74	— 8
	Abu Sueir (A)	a	1015.7	—	1017.6	—	21.5	—	7.4	—	14.4	a	14.0	—	a	10.2	—	a	59	—
	Banha	a	1015.4	—	1017.2	—	20.3	+1.0	8.6	+2.0	14.4	a	13.8	—	a	10.7	—	a	66	—
	Zaher (A)	a	1012.9	—	1016.6	—	20.9	—	7.8	—	14.4	a	14.0	—	a	10.4	—	a	61	—
	Wadi El Natrun	a	1017.9	+0.1	1018.0	+0.1	22.0	+1.4	7.4	+0.2	14.4	a	14.1	+1.3	a	9.6	+0.2	a	52	—14
	Inshas (A)	a	1013.0	—	1016.1	—	20.9	—	8.7	—	14.8	a	14.3	—	a	10.5	—	a	59	—
	Fayed (A)	a	1015.4	—	1017.9	—	21.8	—	8.0	—	14.9	a	14.8	—	a	10.3	—	a	53	—
	Kabrit (A)	a	1016.3	—	1017.7	—	21.3	—	8.3	—	14.8	a	14.7	—	a	11.0	—	a	60	—
CAIRO AREA	Cairo (A)	a	1009.5	—0.6	1017.3	—0.7	21.3	+2.0	9.2	+0.7	15.2	a	15.0	+1.3	a	10.3	+0.3	a	52	— 7
	Mostafa Helmi (A)	a	997.5	—	1017.2	—	19.9	—	8.2	—	14.0	a	13.7	—	a	9.7	—	a	56	—
	Almaza (A)	a	1007.6	—0.9	1017.0	—1.1	21.7	+2.5	9.3	+0.8	15.5	a	15.0	+1.3	a	10.2	+0.4	a	51	— 6
	Abbasiya (H.Q.)	a	1014.4	—	1018.1	—	22.5	—	9.1	—	15.8	a	15.2	—	a	10.8	—	a	54	—
	Imbaba (A)	a	1015.1	—	1017.2	—	21.6	—	7.3	—	14.4	a	13.9	—	a	10.3	—	a	60	—
	Giza	a	1014.7	—0.8	1017.5	—0.8	21.6	+2.0	7.2	+1.5	14.4	a	13.8	+2.4	a	10.2	+0.8	a	64	—12
	Helwan	a	1000.6	—0.7	1017.8	—0.6	21.3	+2.6	9.2	+0.9	15.2	a	15.1	+2.4	a	9.8	+0.6	a	46	—14

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

JANUARY 1963

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	1014.7	—0.1	1017.7	—0.1	22.1	+1.5	7.8	+1.2	15.0	a	14.3	+2.4	a	10.4	+1.2	a	58	—10
	Beni Suef	a	1013.6	—	1017.2	—	22.0	+1.1	6.1	+1.4	14.0	a	13.6	+1·8	a	9.7	+1.0	a	57	— 7
	Seds	—	—	—	—	—	22.9	+1.6	4·6	+0.6	13·8	c	12.4	+1.6	c	10.2	+1.1	e	74	— 5
	Minya ... ... (A)	a	1012.5	—1.4	1017.4	—1.5	22.4	+1.8	4·2	+0.3	13.3	a	12.4	+0.6	a	9.1	+1.0	a	62	+ 5
	Mallawi	—	—	—	—	—	22.4	—	3·9	—	13.2	c	11.3	—	c	10.3	—	e	88	—
	Asyout (Mangabad) ... ... (A)	a	1009.3	—1.0	1017.6	—1.1	22.9	+2.1	7.3	+0.9	15.1	a	14.5	+1.1	a	9.4	+0.9	a	47	0
	Shandaweel...	—	—	—	—	—	23.9	+1.4	6·8	+1.7	15.4	c	13·8	+0.6	c	11.8	+0.7	e	78	+ 2
	Nag Hammadi	c	1009.0	—0.8	1017.4	—0.8	23.8	+2.3	7·0	+1.8	15.4	c	15.3	+3.2	c	12.6	+3.1	e	71	+ 2
	Kena...	c	1008.1	—0.7	1017.0	—0.6	26.5	+4.0	8·2	+1.4	17.4	c	16.1	+3.0	c	12.2	+2.3	e	60	— 4
	Luxor ... ... (A)	a	1005.6	—1.3	1016.0	—1.4	25.5	+2.5	6·2	+0.7	15.8	a	15.5	+1.4	a	10.8	+1.2	a	52	0
	Kom Ombo	a	1003.1	—	1015.2	—	27.7	—	8.9	—	18·3	a	18.1	—	a	11.1	—	a	37	—
	Aswan ... ... (A)	a	992.1	—1.6	1015.7	—1.6	26.7	+2.9	10.4	+0.5	18.6	a	18.2	+2.6	a	10.1	+0.1	a	28	—16
Western Desert	Siwa	a	1019.2	—1.9	1017.4	—1.8	21.2	+1.8	4·1	—0.9	12.6	a	12.3	+1.0	a	7.8	+0.5	a	49	— 4
	Bahariya	a	1002.3	—1.8	1018.0	—1.5	22.4	+2.5	5·0	+0.3	13.7	a	13.5	+2 3	a	8.1	0.0	a	42	—20
	Farafra...	a	1008.1	—0.3	1019.3	—0.3	22.4	+2.0	4.5	+0.5	13.4	a	13.4	+2.2	a	7.2	+0.2	a	34	—16
	Dakhla	a	1002.1	—2.0	1015.5	—2.0	24.2	+2.6	4.5	—0.2	14.4	a	14.0	+1.9	a	7.8	+0.2	a	35	—13
	Kharga	a	1008.4	—1.9	1017.0	—1.8	25.4	+3.2	7.0	+1.2	16.2	a	15.4	+2.4	a	9.8	+0.9	a	43	—11
Red Sea	Suez	c	1016.2	—0.7	1017.4	—0.7	23.0	+1.8	8.4	—0.6	15.7	c	15·8	+2.1	c	13.1	+2.5	e	72	+ 6
	Abu Redes	a	1015.8	—	1016.2	—	23.8	—	13.1	—	18.4	a	18·5	—	a	13.6	—	a	55	—
	Tor	a	1015.6	—1.0	1016.0	—1.0	23.0	+2.2	9.9	+1.0	16.4	a	16·9	+2.5	a	12.0	+1.5	a	53	— 5
	Hurghada	a	1015.8	—0.6	1016.0	—0.6	23.3	+2.9	10.9	+1.2	17.1	a	17.3	+1.6	a	11.7	+0.6	a	47	— 7
	Quseir	a	1014.6	—1.3	1015.6	—1.3	24.7	+2.0	16.8	+3.0	21·3	a	20.6	+2.9	a	14.2	+1.2	a	45	—11
	Abul Kisan...	c	1014.7	—	1015.5	—	25.7	+1.2	22.3	+2.1	24.0	c	23.2	+1.3	c	19.3	+1.1	e	68	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

JANUARY 1963

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	27.0	7	14.1	25	4	0	0	0	0	14.6	4	2.6	27	18	2	0	0
	Sidi Barrani	27.2	7	12.8	26	2	0	0	0	0	13.0	1	2.8	28	21	2	0	0
	Mersa Matruh (A)	27.6	1	13 0	26	2	0	0	0	0	13.8	1	3.1	28	22	3	0	0
	Ras El Hikma	25.1	1	12.7	26	1	0	0	0	0	14.9	2	5.5	27	10	0	0	0
	Dabaa	25.9	22	12.8	26	1	0	0	0	0	10.8	1	0.9	29	29	5	0	0
	Dekheila (A)	25.6	13	13.7	26	1	0	0	0	0	15.6	10	4.4	29	18	2	0	0
	Ras El Teen	24.9	13	13.0	26	0	0	0	0	0	17.5	2	7.0	29	6	0	0	0
	Alexandria (A)	25.3	1·5	12.4	26	2	0	0	0	0	14.5	10	2.9	29	18	3	0	0
	Balteam	24.0	13	11.1	26	0	0	0	0	0	15.7	14	6.8	30	7	0	0	0
	Damietta	25.0	14	11.5	26	0	0	0	0	0	12.0	23	3.5	28	21	3	0	0
	Port Said (A)	23.9	14	13.5	26	0	0	0	0	0	14.9	13	5.5	27	5	0	0	0
	El Arish	27.5	14	16.0	26	5	0	0	0	0	13.4	2	2.9	29	22	2	0	0
	Ghazza	23.5	23	14.6	26	0	0	0	0	0	13.6	2	4.2	28	16	1	0	0
LOWER EGYPT	El Sirw	23.4	1	13.5	26	0	0	0	0	0	12.0	13	3.0	28·29·30	26	3	0	0
	Sakha	27.1	1	16.7	27	3	0	0	0	0	9.7	9·25	3.0	28·29	31	6	0	0
	Mansoura	24.6	13	14.2	26	0	0	0	0	0	8.8	8	0.4	30	31	9	0	0
	Damanhour	25.4	5	13.9	26	1	0	0	0	0	11.2	22	2.7	29	27	3	0	0
	Tanta	26.4	13	14.3	26	2	0	0	0	0	10.8	1	0.6	29	29	7	0	0
	Tahrir	26.3	13	16.1	25	2	0	0	0	0	12.9	23	1.3	29	25	6	0	0
	Shebin El Kom	26·2	13	16.0	25	3	0	0	0	0	10.1	10	1.0	29	27	7	0	0
	Zagazig	25.0	22	15.2	25	0	0	0	0	0	12.2	22	3 5	29	27	2	0	0
	Abu Sueir (A)	25.0	14	15.2	26	0	0	0	0	0	13.3	23	1.3	29	25	5	0	0
	Banha	24.6	13	20.4	24	0	0	0	0	0	12.7	23	4.0	29	23	3	0	0
	Zaher (A)	26.8	22	15.2	26	2	0	0	0	0	13.3	23	2.3	29	23	5	0	0
	Wadi El Natrun	29.7	13	16.3	25	7	9	0	0	0	11.7	23	1.4	29	26	6	0	0
	Inshas (A)	27.0	22	15.5	26	2	0	0	0	0	3.0	2·23	4·5	28	20	1	0	0
	Fayed (A)	26.2	9	16.4	26	6	0	0	0	0	13.2	2	1.8	29	22	4	0	0
	Kabrit (A)	26.4	9	16.1	28	2	0	0	0	0	15.4	23	1.6	28	25	4	0	0
CAIRO AREA	Cairo (A)	27 0	13	15.5	26	2	0	0	0	0	13.8	23	4.6	9·28	20	2	0	0
	Mostafa Helmi (A)	26.9	13	14.2	25	2	0	0	0	0	12.0	5	2.3	26	24	3	0	0
	Almaza (A)	27.5	13	15.5	26	6	0	0	0	0	13.2	2	4.6	28	17	1	0	0
	Abbasiya (H. Q.)	28.1	13	17.1	25·26	7	0	0	0	0	14.6	2	4.2	28	20	2	0	0
	Imbaba (A)	27.4	13	16.8	25·26	3	0	0	0	0	11.7	2	1·1	29	25	7	0	0
	Giza	26.8	13	16.5	26	2	0	0	0	0	11.6	23	—0·1	29	25	5	1	0
	Helwan	27.9	13	15.3	26	4	0	0	0	0	13.0	6	3·4	27	19	2	0	0

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

JANUARY 1963

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	27.6	13	16.2	26	5	0	0	0	0	12.3	6	2·2	29	26	5	0	0
	Beni Suef	27.4	13	17.0	27	2	0	0	0	0	12.0	23	1.0	29	30	8	0	0
	Seds	28.0	13	19.0	18,27,28	7	0	0	0	0	12.0	23	—1.0	29	30	19	1	0
	Minya ... ... (A)	27.6	14	17.0	28	7	0	0	0	0	9.4	23	—1.7	29	31	18	2	0
	Mallawi	26.5	22	17.0	27	4	0	0	0	0	8.4	23	0.2	27·30	31	22	0	0
	Asyout (Mangabad) ... ... (A)	30.0	13	16.4	28	8	0	0	0	0	11.6	23	1.6	29	28	5	0	0
	Shandaweel	28.2	14	18.0	28	10	0	0	0	0	10.5	23	2.0	29·30	30	4	0	0
	Nag Hammadi...	29.2	13	19.0	26	10	0	0	0	0	10.2	23	1.5	29	30	3	0	0
	Kena	31.2	13	19.4	27	22	2	0	0	0	13·0	14	3·5	29	26	1	0	0
	Luxor ... ... (A)	30.0	21	17.8	27	16	0	0	0	0	12.0	23	—0.3	29	30	4	1	0
	Kom Ombo	32.2	22	20.2	27	26	7	0	0	0	15.4	16	5.2	30	19	0	0	0
	Aswan ... ... (A)	33.0	22	19·5	27	21	5	0	0	0	16.0	16	4.5	29	14	1	0	0
Western Desert	Siwa	26.5	5	15.0	26·27	2	0	0	0	0	10.2	23	—0.9	29	30	21	2	0
	Bahariya	28.1	8	15.9	25	9	0	0	0	0	11.0	23	—1.4	29	30	19	2	0
	Farafra	28.6	22	16.5	25	7	0	0	0	0	11.0	23	—1.8	28	30	19	2	0
	Dakhla	29.5	22	16.6	27	15	0	0	0	0	9.9	23	—3.3	29	31	18	1	0
	Kharga	32.0	13·14	18.2	27	15	3	0	0	0	12.4	7	1.0	29	26	5	0	0
Red Sea	Suez	29.0	8	17.9	27	6	0	0	0	0	14.0	23	3.6	29	23	3	0	0
	Abu Redes	28.5	14	18.4	28	9	0	0	0	0	18.5	7	6.2	29	4	0	0	0
	Tor	27.5	9	17.5	28	6	0	0	0	0	18.4	23	2.6	29	15	1	0	0
	Hurghada	29.2	23	17.7	27	7	0	0	0	0	16.0	23	7.4	29	7	0	0	0
	Quseir	30.4	23	19.2	27	13	1	0	0	0	19.4	7	12.1	29	0	0	0	0
	Abul Kizan	29.2	15	22.2	27	23	0	0	0	0	23.7	9	20·1	26	0	0	0	0

TABLE A 5.—RAINFALL AND SNOW DEPTH.

JANUARY 1963

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	3.7	—16.5	3.0	23	2	3	1	0	0	0	0	0.0	—
	Sidi Barrani	22.0	— 8.0	15.3	25	0	6	4	1	1	0	0	0.0	—
	Mersa Matruh ... ... (A)	3.5	—33.2	3.3	25	1	2	1	0	0	0	0	0.0	—
	Ras El Hl Hikma	9.8	—	6.5	25	1	3	2	1	0	0	0	0.0	—
	Dabaa	8.0	—22.0	3.2	23	0	4	4	0	0	0	0	0.0	—
	Dekheila ... ... (A)	17.3	—17.3	8.7	25	0	3	2	2	0	0	0	0.0	—
	Ras El Teen	17.8	—	10.4	26	1	4	2	2	1	0	0	0.0	—
	Alexandria ... ... (A)	33.6	— 13.4	15.6	25	1	6	3	2	2	0	0	0.0	—
	Balteam	54.9	—	34.0	25	0	8	4	2	2	1	0	0.0	—
	Demietta...	3.9	—18.6	1.4	29	1	5	2	0	0	0	0	0.0	—
	Port Said ... ... (A)	1.6	— 8.9	0.7	30	0	4	0	0	0	0	0	0.0	—
	El Arish	tr.	—17.2	tr.	17·26·31	3	0	0	0	0	0	0	0.0	—
	Ghazza	1.8	—89.2	1.6	17	1	2	1	0	0	0	0	0·0	—
	Fuka	4.5	— 13.5	1.5	12.31	0	3	3	0	0	0	0	0.0	—
	Hammam	0.0	—28.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Borg El Arab	21.5	—19.5	15.0	25	0	4	4	1	1	0	0	0.0	—
	Mex	31.2	—11.8	14.2	26	1	5	5	2	2	0	0	0.0	—
	Tolombat El Tabia	22.0	—	12.0	26	0	2	2	2	1	0	0	0.0	—
	Kom El Tarfaia	27.9	—21.1	15.4	25	0	3	3	2	2	0	0	0.0	—
	Borollos L.H.	33.5	—13.5	16.4	26	0	6	4	2	2	0	0	0.0	—
	Damietta L.H.	3.2	—27.8	1.2	27	1	3	3	0	0	0	0	0.0	—
LOWER EGYPT	El Sirw	3.0	—12.0	1.0	16·26·30	0	3	3	0	0	0	0	0.0	—
	Sakha	0.0	—16.6	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mansoura...	1.2	— 6.6	0.5	26	0	3	0	0	0	0	0	0.0	—
	Damanhour	8.1	— 7.1	3.9	25	3	3	2	0	0	0	0	0.0	—
	Tanta	2.0	— 5.8	1.4	26	1	1	1	0	0	0	0	0.0	—
	Tahrir	tr,	— 7.7	tr.	*	4	0	0	0	0	0	0	0.0	—
	Shebin El Kom	tr.	— 6.1	tr.	17	1	0	0	0	0	0	0	0.0	—
	Zagazig	tr.	— 4.6	tr.	6	1	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	tr.	—3.2	tr.	17·26·31	3	0	0	0	0	0	0	0.0	—
	Zaher ... ... (A)	0.0	—	0.0	—	0	0	0	0	0	0	1	0.0	—
	Wadi El Natrun	tr.	— 2.1	tr	26	1	0	0	0	0	0	0	0.0	—
	Inshas	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	— 1.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolombat El Boseili	48.0	+ 5.0	30.0	25	0	5	3	2	2	1	0	0.0	—
	Kafr El Dawar	27.0	—17.0	17.0	25	0	3	3	2	1	0	0	0.0	—
	Kafr El Sheikh	0.0	—17.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Zayat	0.2	—11.8	0.2	27	1	1	0	0	0	0	0	0.0	—
	Faqus	0.0	—12.0	0.0	—	0	0	0	0	0	0	0	0.0	—
CAIRO AREA	Cairo ... ... (A)	0.0	— 2.5	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	— 3.1	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)	tr	—	tr.	31	1	0	0	0	0	0	0	0.0	—
	Giza	tr.	— 3.4	tr.	31	1	0	0	0	0	0	0	0.0	—
	Helwan	0.0	— 3.7	0.0	—	0	0	0	0	0	0	0	0.0	—

* — More than three days.

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

JANUARY 1963

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.	23	1	0	0	0	0	0	0	0·0	—
	Beni Suef	0.0	—0.5	0.0	—	0	0	0	0	0	0	0	0.0	—
	Seds	0.0	—1.6	0.0	—	0	0	0	0	0	0	0	0.0	—
	Minya ... ... (A)	0.0	—0.6	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	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	0.0	—0.9	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	—2.3	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abu Redes	0.0	—	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	0.0	—
	Hurghada	0.0	—0.1	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	—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 1963

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	—	—	—	0.7	—	2.7	—	3.5	—	2.4	—	9.1	—	—	9.1
	Sidi Barrani...	—	—	—	—	—	3.2	—	3.7	—	2.3	—	7.2	—	—	—
	Mersa Matruh ... (A)	245.8	321.1	75.9	1.4	—	2.6	—	3.9	—	2.3	—	11.1	—	—	—
	Ras El Hikma	—	—	—	—	—	2.5	—	3.2	—	2.1	—	6.1	—	—	9.7
	Dabaa	—	—	—	—	—	3.2	—	3.1	—	1.7	—	6.3	—	—	—
	Dekheila ... ... (A)	—	—	—	2.3	—	3.5	—	2.9	—	1.9	—	4.4	—	—	—
	Ras El Teen	—	—	—	2.5	—	4.4	—	4.1	—	2.4	—	5.9	—	—	—
	Alexandria ... ... (A)	247.8	322.3	76.6	3.5	—	4.0	—	3.6	—	2.6	—	3.3	—	—	—
	Belteam	—	—	—	—	—	2.9	—	3.3	—	1.6	—	3.8	—	—	—
	Damietta	—	—	—	—	—	1.9	—	1.9	—	1.5	—	2.4	—	—	—
	Port Said ... ... (A)	254.4	322.3	78.6	0.9	—	2.8	—	2.2	—	1.5	—	4.5	38	22	10.7
	El Arish	—	—	—	2.3	—	3.1	—	3.2	—	2.1	—	4.1	—	—	8.3
	Ghazza	266.6	321.1	82.4	2.5	—	3.4	—	3.6	—	2.3	—	5.4	—	—	9.3
LOWER EGYPT	El Sirw...	—	—	—	—	—	1.7	—	2.5	—	0.8	—	2.8	—	—	—
	Sakha	—	—	—	—	—	2.2	—	2.2	—	0.8	—	2.9	—	—	7.0
	Mansoura	—	—	—	—	—	3.5	—	2.6	—	0.0	—	2.6	—	—	—
	Damanhour	—	—	—	—	—	3.0	—	2.8	—	1.3	—	1.9	—	—	—
	Tanta	245.6	323.4	75.9	—	—	2.4	—	2.1	—	0.5	—	3.0	52	31	—
	Tahrir	246.6	323.4	76.2	—	—	3.2	—	2.5	—	0.9	—	5.7	—	—	6.6
	Shebin El Kom	—	—	—	—	—	1.5	—	4.7	—	1.4	—	2.2	—	—	—
	Zagazig ...	179.4	323.4	55.5	—	—	3.0	—	3.2	—	0.8	—	2.4	—	—	—
	Abu Sueir ... ... (A)	—	—	—	1.0	—	2.7	—	3.1	—	1.5	—	6.4	58	26	6.8
	Banha	—	—	—	—	—	2.9	—	2.4	—	0.4	—	3.2	—	—	—
	Zaher ... ... (A)	—	—	—	—	—	2.6	—	2.7	—	1.1	—	5.7	—	—	—
	Wadi El Natrun... ...	—	—	—	—	—	2.9	—	2.1	—	0.6	—	5.6	—	—	—
	Inshas ... ... (A)	—	—	—	0.4	—	1.5	—	2.1	—	0.6	—	7.1	—	—	—
	Fayed ... ... (A)	—	—	—	—	—	1.9	—	2.4	—	1.5	—	7.2	—	—	—
	Kabrit ... ... (A)	—	—	—	—	—	1.8	—	2.4	—	1.5	—	6.0	—	—	—
CAIRO AREA	Cairo ... ... (A)	—	—	—	0.9	—	2.2	—	2.9	—	1.2	—	10.3	—	—	—
	Mostafa Helmi ... (A)	—	—	—	1.2	—	2.7	—	2.8	—	1.4	—	8.0	—	—	—
	Almaza... ... ... (A)	268.0	324.4	82.8	0.9	—	2.0	—	2.4	—	1.0	—	6.9	—	—	—
	Abbasiya ... (H.Q.)	262.1	324.4	81.0	0.2	—	2.5	—	2.4	—	1.5	—	5.4	60	35	—
	Imbaba... ... ... (A)	—	—	—	—	—	2.7	—	2.7	—	1.5	—	4.6	—	—	—
	Giza	253.0	324.4	78.2	—	—	2.5	—	2.6	—	1.0	—	4.9	—	—	1.2
	Helwan...	—	—	—	0.7	—	1.6	—	2.1	—	1.1	—	12.6	—	—	—
UPPER EGYPT	Fayoum	—	—	—	—	—	1.1	—	2.0	—	1.2	—	4.1	—	—	5.3
	Beni Suef	—	—	—	—	—	1.3	—	1.6	—	0.3	—	3.4	—	—	4.1
	Seds	—	—	—	—	—	1.9	—	1.3	—	0.5	—	2.6	—	—	—
	Minya ... ... (A)	—	—	—	0.2	—	1.6	—	2.0	—	1.0	—	4.3	42	24	1.6
	Mallawi	—	—	—	—	—	0.6	—	1.1	—	0.0	—	1.4	—	—	3.0
	Asyout (Mangabad) (A)	—	—	—	0.1	—	1.4	—	1.6	—	0.8	—	7.2	—	34	6.1
	Shandaweel	261.9	322.3	80.9	—	—	1.5	—	1.9	—	1.7	—	2.8	—	—	4.0
	Nag Hammadi	—	—	—	—	—	1.5	—	1.6	—	1.4	—	3.0	—	—	6.5
	Kena	—	—	—	—	—	1.9	—	2.4	—	0.2	—	3.7	—	—	7.3
	Luxor ... ... (A)	—	—	—	0.7	—	1.8	—	1.6	—	1.4	—	3.3	54	36	—
	Kom Ombo	—	—	—	—	—	0.5	—	1.3	—	0.6	—	7.2	—	—	6.1
	Aswan ... ... (A)	—	—	—	0.9	—	1.0	—	1.8	—	1.6	—	14.0	—	—	—
WESTERN DESERT	Siwa	—	—	—	0.5	—	1.5	—	1.9	—	1.0	—	6.4	16	33	2.0
	Bahariya	—	—	—	0.4	—	1.7	—	1.8	—	1.3	—	5.1	—	—	4.3
	Farafra	—	—	—	—	—	1.5	—	2.5	—	1.0	—	7.2	46	26	3.6
	Dakhla	—	—	—	0.2	—	1.4	—	1.7	—	0.8	—	8.0	34	26	—0.1
	Kharga	—	—	—	0.1	—	1.4	—	1.6	—	0.6	—	7.3	—	—	4.9
RED SEA	Suez	—	—	—	—	—	2.0	—	2.6	—	1.7	—	4.5	—	—	—
	Abu Redes	—	—	—	—	—	1.6	—	2.2	—	1.4	—	8.2	—	—	—
	Tor...	—	—	—	0.5	—	1.9	—	2.1	—	0.8	—	5.5	—	—	—
	Hurghada	—	—	—	0.8	—	1.8	—	1.8	—	1.5	—	11.8	—	—	—
	Quseir	—	—	—	0.4	—	1.2	—	1.9	—	1.3	—	10.8	—	—	—
	Abul Kizan	—	—	—	—	—	2.0	—	2.4	—	0.8	—	9.3	—	—	—

TABLE A 7. —SOIL TEMPERATURES (°C) AT FIXED HOURS
JANUARY 1963

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	Sidi Barrani ...	5	—	—	—	—	—	11·1	14·2	1	4·9	28	18·4	23.0	7	11·5	26	15.2	18.2	1·4·12	9.0	26·27
		10	—	—	—	—	—	12·8	15·5	2	7·2	28	15·8	19.0	14	10.0	28	15.5	18.5	12	11.0	26
		20	—	—	—	—	—	13·8	—	—	—	—	13·8	—	—	—	—	14.8	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mersa Matruh (A)	5	13·1	16·0	2·5	8·0	27	12·0	15·0	1	7·0	27	17·5	20.8	12	12·5	27	16.0	18.9	2·5	12.0	29
		10	14·3	16·4	2	10·3	28	13·2	15·7	2	9·0	27	16.1	18 2	5,4,15	12.0	27·28	16.4	18.6	5	13.0	27·29
		20	15·9	18·0	5	13·3	30	15.2	17.0	2·5	12·0	27·28	15.2	17.4	9	11 8	27·28	16.4	18.3	9	13.0	29
		50	17.0	18.5	15	14.6	30	17.0	18.0	*	14.2	30	16.9	18.0	6	14.7	28	16.8	18.2	7	14.5	29
		100	16·5	17·2	5·10	15·0	30	16·4	17·1	9	14.8	31	16.8	20 8	5	14·7	31	16.5	17.7	4	14.9	31
		200	21·7	22·6	3	21·0	29·30	21·6	22·6	3	20·9	31	21.8	22.5	15	20.9	31	21.7	22.5	1	21.0	29
	Ras El Hikma	5	—	—	—	—	—	11·4	14·0	23	5·8	27	17.2	20.0	4	13.5	25.27	14.1	17.4	1	9.4	26
		10	—	—	—	—	—	12·3	15·3	2	7·5	27·29	14.9	17.0	2·14	11.1	27·28	14.6	17.2	1	10.5	26
		20	—	—	—	—	—	12·9	15·7	2	8·3	28	14.6	16.7	2	10.6	27	14.7	17.2	1	11.0	27
		50	—	—	—	—	—	15.2	16.2	7	12.9	29	15.1	16.1	5·6·7	12.7	30·31	15.1	16.1	6	12.7	29·30
		100	—	—	—	—	—	17·1	17·5	*	15·8	31	17.1	17.5	*	15.9	31	17.1	17.5	*	15.8	31
		200	—	—	—	—	—	19·5	20·9	1·2	19·4	31	20.2	20.9	1.2	19.4	31	20.1	20.9	1	19.5	29—31
	Dabaa	5	—	—	—	—	—	9.4	12·8	9	4·2	27—29	14.9	21.0	12	12.4	27	13.5	16·8	22	9.4	26
		10	—	—	—	—	—	11·1	13·6	9	6·3	29	14.9	16.8	9·10	10.8	27	14.5	16.6	1	10.8	26
		20	—	—	—	—	—	13·3	14.9	10	10·2	29	13.5	15.0	10	10.4	29	14.3	15.8	10	11.3	28
		50	—	—	—	—	—	15·3	16·4	10·12	12·9	29—31	15·3	16.3	10	12.7	29	15.1	16.2	9—11	12·4	30
		100	—	—	—	—	—	17.5	18·0	8	15·9	31	17.4	17.9	*	15.7	31	17.6	18.0	7·8	16.2	31
		200	—	—	—	—	—	20·5	21·2	1	19·9	27·29	20.5	21.2	1	19.8	29	20.5	21.1	1	19.9	27·31
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	17.1	18·0	4,15,17	14·6	30	17.0	18·0	15	14·2	30	16.8	17.8	11	14.2	29	17.0	18.0	4·5·14	14.3	29
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	El Arish... ...	5	14·2	18·0	25	10·2	28	12·4	14.8	11	7·6	29	17.6	20.2	23	14.6	28	16·6	19.3	23	13.0	28
		10	15·3	17·1	18	11·6	29	13.8	16.6	25	9.8	29	16.6	18.4	23	13.8	28	17.1	19.2	23	14.0	28
		20	17·0	18·8	9·11	14·2	29	16.1	17.6	25	13.2	29	16.3	18.0	5	14.0	28	17.3	18.5	23	15.0	29
		50	18·8	20·8	5	17·2	30	18.8	20.8	5	17.2	30	18.8	20.8	5	17.0	28·29	18.6	20.7	5	17.0	29
		100	20·3	20·9	3	19·4	31	20·3	20·8	2	19·3	31	20.3	20.9	2	19.4	31	20.2	20.7	4	19.4	31
		200	22·4	23·2	1	21·8	*	22·4	23·2	1	21·6	31	22.3	23.2	2	21.4	31	22.3	23.0	1.2.3	21.6	31

*More than 3 days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS
JANUARY 1963

Division	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 (*contd.*)	Ghazza	5	14.1	16.8	3	10·5	29	12.9	16.6	23	8.7	28	19.8	23·5	17	17.2	28	16,5	18.6	23	13·8	28
		10	15.0	17.0	3·25	12.0	29	13.7	16.1	24	10.2	28·29	18.2	19·8	14	15.8	28	17·1	19.0	23	14·5	27·28
		20	15.9	17.4	5	13.5	29	14.9	17.0	24	12·0	29	16·4	18.0	23·24	13.9	29	17·3	18.5	23·24	15·0	28
		50	18·2	19.5	*	16.0	29	18·1	19·5	5,10,25	16·0	29	18.4	19·5	7,15,17	16.1	30	18.2	19.6	24	17.2	27
		100	12.0	22.2	3	18.0	18	20.8	22.2	3	18·8	28	21.3	22.0	*	20.0	30·31	21.1	22.0	*	19.7	8
		200	23.5	25.0	*	22.0	28	23.3	26.0	1	21.4	17	23·5	25.0	6	21.5	30	23.3	25.0	5·13	21.9	27
	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	18.9	20.3	*	18.0	*	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	18·5	20.5	*	18.0	*	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LOWER NILE	Tanta	5	—	—	—	—	—	11·3	13.7	8·9	7·0	29	14·8	16.1	6·9	12.0	28·29	14·5	15.8	5·6	11·2	26
		10	—	—	—	—	—	14.8	16.7	8	11.7	29	16.4	17.8	9	13.8	29	16.9	18.1	9	14·4	27·29
		20	—	—	—	—	—	14.0	15.2	9	11.6	29	14.1	15.3	9	11.8	29	14·6	15.7	9	12·5	28
		50	—	—	—	—	—	18.3	19.1	9	16.8	29	18.3	19.0	9	16.7	30	18.2	19.0	10	16.7	29·30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tahrir	5	—	—	—	—	—	10.0	14.6	8	4.3	29	23·5	25·7	5	19·3	26	15·5	17·6	14	11·6	26
		10	—	—	—	—	—	11·7	15.2	8	7·0	29	19.2	21·2	14	16·2	26	17·2	18.9	14	14.1	26
		20	—	—	—	—	—	14.8	16·8	8	11·7	29	15·8	17·7	8	12·6	29	17·4	18·9	8	15·0	29
		50	—	—	—	—	—	17.3	18.2	9	15·2	30	17·0	18·0	9	14·8	30	17·0	18·1	8	15·0	29·30
		100	—	—	—	—	—	19.2	19.7	11	18·2	30	—	—	—	—	—	19·2	19·7	8,9·10	18·0	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	5	12.4	15.5	23	7.8	28	10·5	15·0	23	5·5	29	22.5	24.6	3	19.7	26	16,9	19·5	11	12.0	27
		10	15.0	16.8	24	11.5	29	13.3	15·8	23	9.0	29	18·7	20.1	5,11,15	16.7	26	17.9	20·0	11	15.0	27
		20	16.8	18.1	6	14.0	29	15.7	17·0	6	12·2	28	16.2	17.2	*	13.7	29	17·7	19.6	7	15.4	28
		50	17.6	18.4	8	15.7	30	17.4	18.1	*	15.5	30	17·2	18.0	7	15.2	29	17.5	18.7	18	15.6	29·30
		100	18.8	19.5	4	17·3	31	18.8	19.4	4	17·4	31	18.8	19.4	1·4·7	17.6	31	18.8	19·4	*	17·4	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	17·2	18.2	9·15	16.0	30	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	19.3	19.5	*	18·0	*	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	21.1	23.0	15	19.7	31	—	—	—	—	—	—	—	—	—	—

* More than 3 days

JANUARY 1963

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
Cairo Area	Giza	5	—	—	—	—	—	11.6	16.1	15	6·3	29	22.3	24.2	13	19·6	26	17.3	18.9	5	14.1	29
		10	—	—	—	—	—	14.7	17.3	15	11.5	29	18.2	19.8	15	15.7	29	18.7	20·1	13	16.8	29
		20	—	—	—	—	—	17.9	18.7	15	16.0	29·30	17.17	18.8	15	15.8	29·30	18.5	19.5	15	16·7	30
		50	—	—	—	—	—	19.7	20.2	*	18.3	31	18.2	20.1	*	18.2	31	19.6	20.1	*	18.2	31
		100	—	—	—	—	—	—	—	—	—	—	21.7	22.5	1	20.9	31	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	24.6	25.6	1	23.7	31	—	—	—	—	—
Upper Egypt	Fayoum ...	5	—	—	—	—	—	12.5	—	—	—	—	19.3	—	—	—	—	16.5	—	—	—	—
		10	—	—	—	—	—	13.4	—	—	—	—	17.3	—	—	—	—	16.6	—	—	—	—
		20	—	—	—	—	—	16.1	—	—	—	—	16.2	—	—	—	—	16.8	—	—	—	—
		50	—	—	—	—	—	18.0	—	—	—	—	17.9	—	—	—	—	17.9	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Seds	5	—	—	—	—	—	10.9	14.0	15	7.0	29	19.3	22.5	10	17.0	14	12.5	14.2	19·31	8.5	28
		10	—	—	—	—	—	12.0	13.5	7	8.0	29	16.4	18.2	24	11.1	19	13.4	15.5	23	9.5	29
		20	—	—	—	—	—	13.7	15.0	4·5·6	10.8	30	14·8	15.5	*	14.0	*	13.9	15.5	23	11.0	29
		50	—	—	—	—	—	16.2	16.6	*	15.2	30·31	15.7	16.6	*	15·8	22·23	15.7	16.6	*	15.2	30·31
		100	—	—	—	—	—	18.3	19.5	5	17.5	30·31	18.3	19.5	5	17.5	30·31	18.3	19.5	5	17.5	30·31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya ... (A)	5	13.8	16.5	15	10.0	29	11.4	14.0	6·7	7·0	29	17.3	19.0	5·7	14.0	26	16.6	18.5	14	14.5	29
		10	16.7	19.0	7	14.0	29	15.4	17.5	7	12.0	29	17.5	19.0	6·7	16.0	26·28	18.2	19.5	5·6	16.0	28
		20	17.4	19.0	7	15.6	20	16.8	18.1	6	15.0	28—30	17.2	18.5	7	15.5	27·28	17.9	19.2	8	16.5	28
		50	18.0	19.5	3·7	17.1	30	18.4	19.3	7	17.0	29	18.3	19.7	2	17.0	27	18.5	19.9	2	17.5	*
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mallawi.. ..	5	—	—	—	—	—	8.2	10.0	7	5.0	29	11.0	13.5	22·23	8.0	29	11.0	13.8	22	7.0	29
		10	—	—	—	—	—	9.8	11.5	7	7.0	30	11.1	12.8	23	8.5	29	11·2	13.0	22	8.0	29
		20	—	—	—	—	—	11.9	13.2	1	9.5	28	12·0	13.7	7	10.2	29	12.0	13.0	7	10.2	29
		50	—	—	—	—	—	14.9	15.8	1	13.8	31	14.9	15.8	1	14.9	31	14.9	15.8	1	13.8	31
		100	—	—	—	—	—	17.1	17.8	*	16·3	31	17.1	17.8	*	16.3	31	17.1	17.8	*	16.3	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel ..	5	—	—	—	—	—	12.8	14.0	*	9.0	28	24.3	27.0	14,16,17	19.0	31	17.6	20.5	14	12.5	21·23
		10	—	—	—	—	—	15.4	—	—	—	—	19·2	—	—	—	—	19.3	—	—	—	—
		20	—	—	—	—	—	17.5	—	—	—	—	17.4	—	—	—	—	18.3	—	—	—	—
		50	—	—	—	—	—	18.0	19.5	27·29	16.0	30·31	18.6	19.5	*	17.0	29	18.7	19.5	*	17.3	29
		100	—	—	—	—	—	20.2	20.5	*	20.0	*	20.4	20.5	*	20.0	*	20.3	20.0	*	20.0	*
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days

TABLE A. 7— (*contd.*) SOIL TEMPERATURES (°C) AT FIXED HOURS
JANUARY 1963

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.*)	Kom Ombo ..	5	—	—	—	—	—	15.1	17.0	16	10.0	29	29.3	30.0	14	20.3	27	20.2	21.5	20	14.5	27
		10	—	—	—	—	—	17.4	18.5	16	13.0	29	22.6	23.0	16	17.0	29·30	21.1	21.2	25	21.2	20
		20	—	—	—	—	—	18.1	20.0	17	16.0	29·30	18.4	20.2	23	16.2	29·30	18.8	20.7	21	16.5	28
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
WESTERN DESERT	Siwa	5	12.6	15.0	23	10.3	29	10.8	13.8	23	8.1	29	15.7	17.2	22	13.0	28	15.3	17.2	22	13.0	28
		10	13.5	15.4	23	11·4	29	11.9	13.0	15	9.4	29	14.7	15.7	15	12.4	28	15.6	16.8	6	13.4	28
		20	14.5	16.0	23	12.6	29	13.4	15.0	23	11.2	29	14.1	15.5	23	12.0	29	15.7	16.8	22	13.8	28·29
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bahariya ..	5	15.6	16.4	6	10.0	29	10.6	15.4	23	6.5	28	17.0	21.0	6	13.6	27	10.7	21.6	6	14.4	25
		10	15.0	17.9	7	11·8	29	12.9	15.4	6	4.5	28	15.7	18.4	6	12.4	9	21.1	20.9	6	15.0	27
		20	17.6	—	—	—	—	17.8	—	—	—	—	16.5	—	—	—	—	18.3	—	—	—	—
		50	19.2	19.5	7·8·9	17.4	30·31	19.0	19.7	7	17.4	30	19.0	19.5	7·8	16.3	30	18.9	19.5	7·8	17.2	30
		100	20.7	21.1	10	19.8	31	20.8	21.1	9	19.8	31	20.8	21.1	9.10.11	19.9	31	20.8	21.6	2	19.9	31
		200	24.0	25·0	1	23.3	31	24.0	24.8	1	23.3	31	24.0	24.9	1	23.4	29·30	23.9	24.8	1	23·2	31
	Farafra.. ..	5	15.6	17.4	7	12·7	29	14·0	16.8	23	10.3	29	16.2	17.9	6·23	13.2	29	17.2	19.2	6	14.7	29
		10	16.2	18.0	23	13.7	29·30	15.2	17.2	23	12.1	29	15.6	17.4	23	12.7	29	17.0	18.4	6	14.1	29
		20	16.6	18.0	23	14.7	30	16.2	17.4	24	14.4	29	16.3	17.7	23	13.9	29	16.3	17.9	6	14.3	29
		50	17.7	18.7	8·9·10	16.4	31	18.1	18.8	8	16.4	31	18.1	18.8	8	16.4	31	18.1	18.7	8·9	16.4	30·31
		100	19.4	19.8	9·11	18.6	30·31	19·4	19.8	8·9·10	18.6	31	19.7	19.8	8·10	18.5	31	19.6	19.8	1·8·10	18.5	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

JANUARY 1963

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	1	0	0	0	3	0	0	0	0	0	0	13	0
	Sidi Barrani	6	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	—	—
	Mersa Matruh ... ... (A)	4	0	0	0	0	0	1	0	0	0	7	2	0	0	0	0	0	13	0
	Ras El Hikma	3	0	0	0	0	0	0	1	2	0	6	0	0	0	0	0	1	—	—
	Dabaa	4	0	0	0	0	0	1	1	0	0	4	3	0	0	0	0	0	8	3
	Dekheila ... ... (A)	5	0	0	0	0	0	0	4	0	0	2	2	0	0	0	0	1	—	—
	Ras El Teen	5	0	0	1	0	0	0	4	0	0	0	2	0	0	0	0	0	8	3
	Alexandria ... ... (A)	6	0	0	1	0	0	2	10	0	0	4	2	0	0	0	0	1	—	—
	Baltcam	7	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	—	—
	Damietta	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	14	1
	Port Said ... ... (A)	3	0	0	0	0	0	6	2	0	0	3	0	0	0	0	0	0	21	0
	El Arish	0	0	0	0	0	0	6	2	0	0	3	1	0	0	0	0	0	12	0
	Ghazza	2	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	2	13	1
LOWER EGYPT	El Sirw	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	2	0	0	0	0	0	10	8	0	0	2	0	0	0	0	0	0	—	—
	Damanhour	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	0	0	0	0	0	0	3	7	1	0	2	1	0	0	0	0	1	—	—
	Shebin El Kom	0	0	0	0	0	0	5	3	0	0	0	0	0	0	0	0	0	—	—
	Zagazig...	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir ... ... (A)	0	0	0	0	0	0	8	7	10	0	4	2	0	0	0	0	1	16	0
	Banha.. .. .. (A)	0	0	0	0	0	0	2	6	0	0	2	0	0	0	0	0	0	—	—
	Zaher ... ... (A)	0	0	0	0	0	0	5	5	5	0	7	0	0	0	0	0	0	—	—
	Wadi El Natrun	0	0	0	0	0	0	0	4	0	0	3	0	0	0	0	0	0	—	—
	Inshas.. .. .. (A)	0	0	0	0	0	0	4	5	5	0	8	0	0	0	0	0	0	25	0
	Fayed ... ... (A)	0	0	0	0	0	0	2	0	0	0	3	2	0	0	0	0	2	—	—
	Kabrit ... ... (A)	0	0	0	0	0	0	2	0	2	0	3	0	0	0	0	0	0	—	—
CAIRO AREA	Cairo ... ... (A)	0	0	0	0	0	0	3	5	13	0	4	1	0	0	0	0	0	21	0
	Mostafa Helmi ... ... (A)	0	0	0	0	0	0	12	7	4	0	4	1	0	0	0	0	0	18	0
	Almaza ... ... (A)	0	0	0	0	0	0	5	3	11	0	3	0	0	0	0	0	0	21	0
	Abbasiya ... ...(H.Q)	0	0	0	0	0	0	4	4	3	0	3	0	0	0	0	0	0	23	0
	Imbaba ... ... (A)	0	0	0	0	0	0	10	3	10	0	2	0	0	0	0	0	0	—	—
	Giza	0	0	0	0	0	0	8	6	0	0	1	0	0	0	0	0	0	—	—
	Helwan	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	23	0

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

JANUARY 1963

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	Dustatorm/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	4	1	0	0	0	0	0	0	0	0	0	—	—
	Beni Suef	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0	—	—
	Seds	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya ... ... (A)	0	0	0	0	0	0	8	2	8	0	1	0	0	0	0	0	0	22	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad) ... ... (A)	0	0	0	0	0	0	2	1	6	0	2	0	0	0	0	0	0	24	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor ... ... (A)	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	22	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	2	0	0	0	0	0	0	0	0	23	0
WESTERN DESERT	Siwa	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	26	1
	Bahariya	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	23	0
	Farafra	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	1	—	—
	Dakhla	0	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	0	0	0	0	0	0	0	0	0	0	26	0
RED SEA	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	—	—
	Tor...	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	21	0
	Hurghada	0	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	0	1	0	6	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

JANUARY 1963

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	6	3	11	1–10	16	10	11	7	15	31	7	101	54	21	42	34	418
					11–27	4	0	0	0	0	2	43	86	52	42	47	30	306
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	20	10	11	7	15	33	119	187	106	63	89	64	724
	Mersa Matruh (A)	20	0	0	1–10	18	9	5	16	16	27	33	33	13	21	15	5	211
					11–27	0	1	8	2	4	23	47	82	132	111	44	41	495
					28–47	0	0	0	0	0	0	1	0	9	6	1	1	18
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	18	10	13	18	20	50	81	115	154	138	60	47	724
	Dekheila ... (A)	12	3	0	1–10	16	20	44	49	50	22	99	61	61	109	31	39	601
					11–27	1	1	0	7	2	0	5	36	39	29	3	4	127
					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	17	21	44	56	52	22	104	97	101	138	34	43	729
	Ras El Teen	672	0	0	1–10	0	0	0	2	0	0	1	2	3	3	14	0	25
					11–27	0	0	0	4	1	6	6	8	4	5	11	0	45
					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	0	0	0	6	1	6	7	11	8	8	25	0	72
	Alexandria ... (A)	22	0	1	1–10	38	22	35	42	39	46	36	71	41	39	87	23	519
					11–27	7	2	0	1	9	2	2	34	54	33	42	3	189
					28–47	0	0	0	0	0	0	0	0	13	0	0	0	13
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	45	24	35	43	48	48	38	105	108	72	129	26	721
	Port Said ... (A)	5	4	0	1–10	21	53	56	21	26	51	60	87	59	58	41	26	559
					11–27	4	4	9	6	3	3	20	73	24	3	3	14	166
					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	25	57	65	27	29	54	80	170	83	61	44	40	735
	El Arish	8	8	11	1–10	37	33	14	17	18	187	78	67	88	15	46	53	653
					11–27	0	0	0	0	0	0	0	0	32	22	10	0	64
					28–47	0	0	0	0	0	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	33	14	17	18	187	78	67	120	37	56	53	717
	Ghazza	0	52	4	1–10	15	17	15	41	35	130	52	12	27	29	35	41	449
					11–27	5	2	0	0	3	71	20	22	42	35	11	11	222
					28–47	0	0	0	0	0	0	0	0	17	0	0	0	17
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	20	19	15	41	38	201	72	34	86	64	46	52	688
Lower Egypt	Mansoura	7	3	101	1–10	13	42	41	27	14	28	56	93	89	65	43	46	557
					11–27	0	0	1	4	1	0	0	18	38	10	2	1	75
					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	13	42	42	31	15	28	56	111	128	75	45	47	633
	Tanta	108	17	0	1–10	23	25	36	38	35	29	53	73	139	62	42	28	583
					11–27	0	0	0	1	0	0	0	2	30	2	0	0	35
					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	23	25	36	39	35	29	53	75	170	64	42	28	619

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

JANUARY 1963

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
LOWER EGYPT (*cont.*)	Tahrir	29	15	0	1–10	50	42	47	36	19	40	28	62	68	89	50	60	591
					11–27	3	0	2	1	0	0	2	15	39	36	11	0	109
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**53**	**42**	**49**	**37**	**19**	**40**	**30**	**77**	**107**	**125**	**61**	**60**	**700**
	Abu Sueir (A)	75	2	1	1–10	20	47	6	24	43	21	47	27	108	37	52	35	522
					11–27	2	17	9	2	2	0	0	21	50	19	6	3	131
					28–47	0	0	0	0	0	0	0	0	13	0	0	0	13
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**22**	**64**	**70**	**26**	**45**	**21**	**47**	**48**	**171**	**56**	**58**	**38**	**666**
	Zaher ... ... (A)	30	1	0	1–10	48	30	29	28	35	53	33	64	124	64	32	43	583
					11–27	1	6	5	0	1	14	3	25	54	19	1	1	130
					28–47	0	0	0	0	0	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**	**36**	**34**	**28**	**35**	**67**	**36**	**89**	**178**	**83**	**33**	**44**	**713**
CAIRO AREA	Cairo ... ... (A)	34	46	137	1–10	23	42	66	52	13	16	47	60	40	28	26	24	440
					11–27	0	0	2	4	6	1	16	23	35	6	2	0	87
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**23**	**42**	**68**	**56**	**22**	**17**	**63**	**83**	**75**	**34**	**28**	**24**	**527**
	Mostafa Helmi (A)	1	2	15	1–10	25	77	52	15	31	12	34	48	70	50	47	58	524
					11–27	0	15	27	16	0	2	8	22	48	29	11	7	201
					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	**25**	**94**	**99**	**31**	**31**	**14**	**42**	**70**	**118**	**80**	**58**	**65**	**726**
	Almaza ... (A)	2	6	0	1–10	31	39	95	29	18	57	51	77	71	44	24	22	588
					11–27	0	5	29	14	5	7	19	42	23	18	4	0	148
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**31**	**44**	**114**	**73**	**43**	**64**	**61**	**119**	**94**	**62**	**28**	**22**	**736**
	Abbasiya (H.Q) ..	131	13	12	1–10	95	77	24	25	50	31	67	68	37	31	24	33	544
					11–27	0	1	0	0	0	0	11	10	16	6	0	0	44
					28–47	0	0	0			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**	**78**	**24**	**25**	**50**	**31**	**78**	**78**	**53**	**40**	**24**	**33**	**588**
	Giza	121	26	18	1–10	73	95	20	2	3	107	69	21	17	31	29	77	644
					11–27	0	1	1	0	0	1	8	4	16	4	0	0	35
					28–47	0	0	0	0	0	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**	**21**	**2**	**3**	**108**	**77**	**35**	**33**	**35**	**29**	**77**	**679**
UPPER EGYPT	Fayoum	42	45	0	1–10	168	55	12	5	5	38	88	74	59	24	33	88	649
					11–27	0	0	0	0	0	0	0	0	8	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	**168**	**55**	**12**	**5**	**5**	**38**	**88**	**74**	**67**	**24**	**33**	**88**	**657**
	Minya .. ... (A)	26	12	0	1–10	156	52	8	3	19	73	72	25	15	31	45	150	607
					11–27	22	27	0	0	0	0	0	0	0	12	1	4	66
					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	**178**	**79**	**8**	**3**	**19**	**73**	**72**	**25**	**15**	**43**	**46**	**154**	**796**

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

JANUARY 1963

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
UPPER EGYPT (*contd*)	Asyout ... ... (A)	19	3	0	1-10	1	4	9	20	24	31	6	3	24	266	166	77	631
					11-27	8	1	0	0	4	3	2	9	5	18	20	21	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	9	5	9	20	28	34	8	12	29	284	186	98	722
	Luxor ... ... (A)	116	10	0	1-10	108	128	46	25	24	16	42	67	44	24	32	57	613
					11-27	0	0	0	1	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	108	128	46	26	24	16	42	67	44	24	33	60	618
	Aswan ... ...(A)	0	2	0	1-10	283	296	8	8	2	1	8	7	9	4	14	45	685
					11-27	29	28	0	0	0	0	0	0	0	0	0	0	57
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	312	324	8	8	2	1	8	7	9	4	14	45	742
WESTERN DESERT	Siwa	181	0	0	1-10	4	2	4	28	82	41	24	37	81	149	41	24	517
					11-27	0	0	0	0	1	1	5	3	3	9	24	0	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	4	2	4	28	83	42	29	40	84	158	65	24	563
	Dakhla	60	14	0	1-10	51	57	14	15	17	9	31	21	41	95	167	137	655
					11-27	1	1	0	0	0	0	3	0	0	0	10	0	15
					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	52	58	14	15	17	9	34	21	41	95	177	137	670
RED SEA	Hurghada	4	3	0	1-10	40	7	9	7	17	11	9	14	8	110	132	53	417
					11-27	2	0	0	0	0	2	0	0	0	87	103	124	318
					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	42	7	9	7	17	13	9	14	8	197	235	179	737

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

SALLUM — JANUARY 1963

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	0	0	0	0	1	0	2	1	3	4	1	[illegible]
				11-27	0	0	0	0	0	0	1	0	2	10	2	1	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	0	0	0	0	0	1	1	2	3	13	6	2	[illegible]
0300	5	0	0	1-10	0	0	0	0	0	1	1	1	0	4	3	1	[illegible]
				11-27	0	0	0	0	0	0	0	1	3	9	2	0	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	0	0	0	0	0	1	1	2	3	13	5	1	[illegible]
0600	3	0	0	1-10	0	0	0	0	0	0	2	0	2	4	2	0	[illegible]
				11-27	0	0	0	0	0	0	0	2	1	14	0	1	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	0	0	0	0	0	0	2	2	3	18	2	1	[illegible]
0900	1	0	0	1-10	0	1	1	0	0	0	2	0	2	5	0	1	[illegible]
				11-27	0	0	0	0	0	0	1	1	5	9	2	0	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	0	1	1	0	0	0	3	1	7	14	2	1	[illegible]
1200	2	0	0	1-10	2	2	0	0	1	0	2	2	1	1	0	1	[illegible]
				11-27	0	0	0	0	0	0	0	1	6	6	2	2	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	2	2	0	0	1	0	2	3	7	7	2	3	[illegible]
1500	3	0	0	1-10	6	0	0	0	0	2	0	1	2	3	0	3	[illegible]
				11-27	0	0	0	0	0	0	1	0	4	4	2	0	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	6	0	0	0	0	2	1	1	6	7	2	3	[illegible]
1800	9	0	0	1-10	3	0	0	0	0	1	0	1	0	4	2	3	[illegible]
				11-27	1	0	0	0	0	0	0	0	3	2	1	1	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	4	0	0	0	0	1	0	1	3	6	3	4	[illegible]
2100	6	0	0	1-10	1	0	0	0	0	1	0	1	2	8	3	3	[illegible]
				11-27	0	0	0	0	0	0	0	0	0	3	2	1	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	1	0	0	0	0	1	0	1	2	11	5	4	[illegible]

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 1963

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	2	2	0	2	0	0	6
				11-27	0	0	1	0	0	2	3	8	5	3	0	0	22
				28-47	0	0	0	0	0	0	0	0	1	1	0	0	2
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	1	0	0	2	5	10	6	6	0	0	30
0300	1	0	0	1-10	0	0	0	0	0	1	4	0	0	0	0	0	5
				11-27	0	0	1	0	0	0	2	6	12	3	0	0	24
				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	0	0	1	0	0	1	7	6	12	3	0	0	30
0600	0	0	0	1-10	0	0	0	1	0	0	2	0	1	0	0	0	4
				11-27	0	0	0	0	0	2	2	7	12	4	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	0	0	0	1	0	2	4	7	13	4	0	0	31
0900	0	0	0	1-10	0	1	0	0	1	1	0	1	4	2	0	0	10
				11-27	0	0	0	0	0	2	3	1	2	7	4	1	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	0	1	0	0	1	3	3	2	7	9	4	1	31
1200	0	0	0	1-10	2	2	0	1	0	2	0	2	0	0	0	1	10
				11-27	0	0	0	0	0	0	2	1	2	2	8	4	19
				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	2	2	0	1	0	2	2	3	3	3	8	5	31
1500	0	0	0	1-10	2	1	1	2	2	0	0	2	1	0	1	1	13
				11-27	0	0	0	1	0	1	1	1	1	3	6	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	2	1	1	3	2	1	1	3	2	3	7	5	31
1800	4	0	0	1-10	1	1	0	1	4	1	1	1	2	5	1	1	19
				11-27	0	0	0	0	0	0	2	1	2	2	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	1	1	0	1	4	1	3	2	4	7	1	2	27
2100	3	0	0	1-10	0	0	0	0	2	1	0	2	1	2	1	0	9
				11-27	0	1	0	0	0	2	2	4	7	3	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	0	1	0	0	2	3	2	6	8	5	1	0	28

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

DEKHEILA (A) – JANUARY 1963

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	0	2	3	3	1	5	3	2	2	2	1	25
				11-27	0	0	0	0	0	0	1	0	2	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	2	3	3	1	6	3	4	3	2	1	29
0300	1	0	0	1-10	0	0	1	4	2	1	6	3	0	4	1	2	24
				11-27	0	0	0	0	1	0	0	2	0	2	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	0	1	4	3	1	6	5	1	6	1	2	30
0600	4	0	0	1-10	0	0	1	1	3	2	8	4	0	4	2	0	25
				11-27	0	0	0	0	0	0	1	0	1	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	1	1	3	2	9	4	1	4	2	0	27
0900	0	0	0	1-10	0	0	1	1	3	3	0	7	4	2	1	2	24
				11-27	0	0	0	1	1	0	0	3	1	1	0	0	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	1	2	4	3	0	10	5	3	1	2	31
1200	0	0	0	1-10	0	0	0	3	2	0	0	3	10	0	1	4	23
				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	3	2	0	0	6	15	0	1	4	31
1500	0	0	0	1-10	3	0	0	2	0	0	1	2	6	8	3	2	27
				11-27	0	0	0	0	0	0	0	1	1	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	3	0	0	2	0	0	1	3	7	10	3	2	31
1800	2	0	0	1-10	1	5	2	0	1	0	3	0	1	9	1	0	23
				11-27	0	0	0	1	0	0	0	0	2	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	1	5	2	1	1	0	3	0	3	11	1	1	29
2100	2	0	0	1-10	0	0	4	2	8	1	3	1	1	9	0	2	26
				11-27	0	0	0	1	0	0	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	4	3	3	1	3	2	1	10	0	2	29

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

RAS EL TEEN — JANUARY 1963

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	3	5	1	1	2	1	1	1	3	1	20
				11-27	1	0	0	1	0	1	0	2	1	4	0	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	1	0	0	0
				All speeds	1	1	3	6	1	2	2	3	2	6	3	1	31
0300	0	0	0	1-10	1	1	2	4	1	2	2	3	0	0	3	1	20
				11-27	0	0	0	0	0	1	1	1	2	5	0	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	2	4	1	3	3	4	2	6	3	1	31
0600	2	0	0	1-10	1	0	0	2	1	3	5	3	1	2	1	1	20
				11-27	0	0	0	0	0	0	1	2	1	2	1	1	8
				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	2	1	3	6	5	2	5	2	2	29
0900	0	0	0	1-10	1	0	0	3	2	2	1	3	2	4	1	0	19
				11-27	1	0	0	1	0	1	1	2	3	3	0	0	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	4	2	3	2	5	5	7	1	0	31
1200	3	0	0	1-10	2	1	0	2	0	0	1	0	4	6	0	0	16
				11-27	1	0	0	1	0	0	0	0	5	3	1	0	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	0	3	0	0	1	0	10	9	1	0	28
1500	3	0	0	1-10	2	3	0	1	0	1	0	0	2	5	2	2	18
				11-27	1	0	0	0	0	0	0	0	2	4	3	0	10
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	3	0	1	0	1	0	0	4	9	5	2	28
1800	2	0	0	1-10	2	4	2	0	0	0	1	0	0	6	2	0	17
				11-27	1	0	0	1	0	0	0	0	2	5	3	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	2	1	0	0	1	0	2	11	5	0	29
2100	1	0	0	1-10	1	3	5	1	1	0	0	1	1	4	2	1	20
				11-27	1	0	0	1	0	0	0	1	3	2	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	2	3	5	2	1	0	0	2	4	6	4	1	30

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

ALEXANDRIA (A) — JANUARY 1963

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	31[illegible] / 34[illegible]
0000	2	0	0	1-10	1	0	3	3	2	2	2	5	2	2	1	3
				11-27	0	0	0	0	0	0	0	0	1	1	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	0	3	3	2	2	2	5	3	3	2	3
0300	3	0	0	1-10	1	1	0	1	3	2	3	3	2	1	4	2
				11-27	0	0	0	0	0	0	0	1	2	1	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	1	3	2	3	4	4	2	5	2
0600	4	0	0	1-10	3	0	0	1	2	1	4	5	3	1	2	0
				11-27	0	0	0	0	0	0	0	2	1	2	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	3	0	0	1	2	1	4	7	4	3	2	0
0900	1	0	0	1-10	0	0	0	1	4	1	2	2	2	0	4	1
				11-27	1	0	1	0	0	0	0	3	6	0	1	0
				28-47	0	0	0	0	0	0	0	0	1	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	1	1	4	1	2	5	9	0	5	1
1200	0	0	0	1-10	[illegible]	1	1	0	2	2	0	2	3	[illegible]	2	2
				11-27	[illegible]	0	0	0	0	0	0	0	3	4	2	0
				28-47	0	0	0	0	0	0	0	0	3	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	1	0	2	2	0	2	9	6	4	2
1500	0	0	0	1-10	6	3	0	0	0	1	0	0	2	6	3	1
				11-27	0	0	0	0	1	0	0	1	1	2	4	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	3	0	0	1	1	0	1	3	8	7	1
1800	2	0	0	1-10	[illegible]	[illegible]	4	3	0	0	0	1	0	4	5	1
				11-27	1	0	0	0	1	0	0	1	1	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	3	2	4	3	1	0	0	2	1	6	6	1
2100	4	0	0	1-10	0	2	2	3	3	1	1	2	1	4	2	1
				11-27	0	0	0	0	1	0	0	1	1	1	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	0	2	2	2	4	1	1	3	2	5	3	1

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 1963

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	2	4	0	2	3	3	3	4	3	0	0	24
				11–27	0	0	0	0	1	0	0	3	1	0	0	1	6
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	2	4	0	3	3	3	6	5	3	0	1	30
0300	1	0	0	1–10	0	1	1	1	1	5	4	6	1	1	0	0	21
				11–27	0	1	0	0	0	0	1	3	3	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	0	2	1	1	1	5	5	9	4	1	0	1	30
0600	0	0	0	1–10	0	0	0	1	3	6	3	3	3	3	1	0	23
				11–27	0	0	1	0	0	0	1	4	1	0	0	0	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	0	0	1	1	3	6	4	8	4	3	1	0	31
0900	0	0	0	1–10	0	0	4	0	1	3	3	7	2	2	1	0	23
				11–27	0	0	0	0	0	1	1	4	0	1	0	0	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	0	0	4	0	1	4	4	12	2	3	1	0	31
1200	0	0	0	1–10	3	2	4	0	0	1	1	5	4	1	3	1	25
				11–27	0	0	0	0	0	0	0	3	1	0	0	1	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	3	2	4	0	0	1	1	9	5	1	3	2	31
1500	1	0	0	1–10	0	7	0	0	1	0	1	2	2	1	4	5	23
				11–27	0	1	1	0	0	0	0	3	0	0	1	0	6
				28–47	0	0	0	0	0	0	0	1	0	0	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	8	1	0	1	0	1	6	2	1	5	5	30
1800	1	0	0	1–10	2	6	2	1	0	1	0	2	1	5	2	1	23
				11–27	0	0	0	1	0	0	2	2	1	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	2	6	2	2	0	1	2	4	2	5	2	2	30
2100	2	0	0	1–10	1	1	4	2	2	0	0	2	4	4	1	0	21
				11–27	0	0	0	2	0	0	1	3	1	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	1	1	4	2	2	0	1	5	5	4	1	1	29

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

EL ARISH — JANUARY 1963

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing fro the ranges of directions indicated											
					345 / 014	015 / 044	045 / 074	075 / 104	105 / 134	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	31 / 34
0000	0	0	0	1-10	0	0	0	0	1	11	10	0	6	1	0	1
				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	0	0	0	0	1	11	10	0	7	1	0	1
0300	0	0	0	1-10	0	0	1	0	1	11	7	5	5	0	0	1
				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	0	0	1	0	1	11	7	5	5	0	0	1
0600	0	0	0	1-10	0	0	0	0	3	9	6	6	4	1	0	1
				11-27	0	0	0	0	0	0	0	1	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	3	9	6	7	4	1	0	1
0900	0	0	0	1-10	2	0	1	2	2	5	1	3	3	5	1	1
				11-27	0	0	0	0	0	0	0	0	3	2	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	2	0	1	2	2	5	1	3	6	7	1	1
1200	1	0	0	1-10	3	3	0	0	2	0	0	0	1	2	5	8
				11-27	0	0	0	0	0	0	0	0	3	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	3	3	0	0	2	0	0	0	4	4	6	8
1500	2	0	0	1-10	7	3	3	1	0	0	0	0	1	3	4	4
				11-27	0	0	0	0	0	0	0	0	1	1	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	7	3	3	1	0	0	0	0	2	4	5	4
1800	8	0	0	1-10	2	2	0	2	2	2	3	4	2	1	1	0
				11-27	0	0	0	0	0	0	0	0	1	0	1	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	0	2	2	2	3	4	3	1	2	0
2100	3	0	0	1-10	0	0	0	0	4	7	3	7	6	0	0	1
				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	0	0	0	0	4	7	3	7	6	0	0	1

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

GHAZZA — JANUARY 1963

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												
					347 / 014	015 / 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	3	1	14	2	0	0	0	0	0	20
				11-27	0	0	0	0	1	5	2	0	1	1	0	1	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	3	2	19	4	0	1	1	0	1	31
0300	0	0	0	1-10	0	0	0	1	2	11	2	1	0	0	0	0	17
				11-27	0	0	0	0	0	8	3	1	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	0	0	0	1	2	19	5	2	0	1	0	1	31
0600	0	0	0	1-10	0	0	0	0	1	12	3	1	0	0	0	1	18
				11-27	0	0	0	0	0	9	0	3	0	0	0	0	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	0	0	0	0	1	21	3	4	1	0	0	1	31
0900	0	0	0	1-10	1	1	0	0	0	0	2	3	9	3	3	1	23
				11-27	0	0	0	0	0	0	0	2	5	0	0	0	7
				28-47	0	0	0	0	0	0	0	0	1	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	0	0	0	0	2	5	15	3	3	1	31
1200	0	0	0	1-10	6	0	0	0	0	0	0	0	4	5	3	4	22
				11-27	0	0	0	0	0	0	0	0	6	1	1	0	8
				28-47	0	0	0	0	0	0	0	0	1	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	0	0	0	0	0	0	0	11	6	4	4	31
1500	0	0	0	1-10	5	2	2	0	1	0	1	0	1	3	4	3	22
				11-27	2	0	0	0	0	0	0	0	1	4	0	1	8
				28-47	0	0	0	0	0	0	0	0	1	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	2	2	0	1	0	1	0	3	7	4	4	31
1800	1	0	0	1-10	1	1	4	6	2	4	1	0	0	0	4	2	25
				11-27	0	0	0	0	0	0	0	0	1	1	2	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	1	1	4	6	2	4	1	0	2	1	6	2	30
2100	0	0	0	1-10	0	0	1	4	6	11	2	0	0	0	0	0	24
				11-27	0	0	0	0	0	1	1	0	2	1	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	4	6	12	3	0	3	1	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) — JANUARY 1963

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	0	0	0	3	0	2	7	0	0	3	16
				11-27	0	0	0	0	0	1	1	0	2	0	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	0	0	0	4	1	2	9	0	0	3	20
0300	12	0	0	1-10	0	0	1	0	1	1	1	3	7	0	0	2	16
				11-27	0	0	0	0	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	0	0	1	0	1	1	2	3	7	0	0	2	19
0600	14	0	0	1-10	0	1	0	0	0	2	1	5	3	0	0	0	12
				11-27	0	0	0	0	0	0	0	2	3	0	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	6	0	0	2	1	7	6	0	0	0	17
0900	1	0	0	1-10	0	0	3	1	2	0	0	2	4	5	0	1	20
				11-27	0	2	1	0	0	0	1	0	2	2	2	0	8
				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	2	4	1	2	0	1	2	8	7	2	1	30
1200	1	0	0	1-10	1	0	1	1	1	0	2	0	3	1	4	4	18
				11-27	0	2	1	0	0	0	0	1	3	1	2	0	10
				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	2	2	1	1	0	2	1	8	2	6	4	30
1500	3	0	0	1-10	1	1	2	0	1	0	0	0	2	3	4	2	16
				11-27	1	3	0	0	0	0	0	0	3	1	2	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	2	4	2	0	1	0	0	0	6	4	6	3	28
1800	7	0	0	1-10	0	7	2	1	1	0	2	0	4	0	5	2	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	7	2	1	1	0	2	1	5	0	3	2	24
2100	9	0	0	1-10	0	2	2	2	1	1	1	0	5	2	1	1	18
				11-27	0	0	0	0	1	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	0	2	2	2	2	1	2	1	6	2	1	1	22

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

CAIRO (A) — JANUARY 1963

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	2	2	2	4	2	2	1	4	2	0	0	21
				11—27	0	0	0	2	0	0	2	1	1	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	2	4	4	2	4	2	5	2	0	0	27
0300	1	0	0	1—10	1	1	2	5	2	4	5	2	1	1	1	1	26
				11—27	0	0	0	0	0	0	1	2	1	0	0	0	4
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	2	5	2	4	6	4	2	1	1	1	30
0600	2	0	0	1—10	0	1	2	4	2	2	8	5	1	0	1	0	26
				11—27	0	0	0	0	0	0	2	0	1	0	0	0	3
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	2	4	2	2	10	5	2	0	1	0	29
0900	1	0	0	1—10	2	2	4	0	1	1	1	3	5	2	3	0	24
				11—27	0	0	1	0	0	0	1	3	1	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	2	5	0	1	1	2	6	6	2	3	0	30
1200	1	0	0	1—10	1	6	1	0	0	0	1	1	4	2	5	2	23
				11—27	0	0	1	0	0	0	0	3	2	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	1	6	2	0	0	0	1	4	6	2	6	2	30
1500	0	0	0	1—10	3	4	0	0	0	0	0	3	3	1	7	5	26
				11—27	0	1	0	0	0	0	0	1	3	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	5	0	0	0	0	0	4	6	1	7	5	31
1800	3	0	0	1—10	2	5	3	1	0	2	2	3	2	0	2	1	23
				11—27	0	0	1	0	0	0	2	0	2	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	5	4	1	0	2	4	3	4	0	2	1	28
2100	5	0	0	1—10	1	0	2	6	2	0	5	2	0	3	0	0	21
				11—27	0	0	0	1	0	1	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	1	0	2	7	2	1	5	4	1	3	0	0	26

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

MOSTAFA HELMI (A) — JANUARY 1963

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	4	0	1	3	0	2	2	4	3	4	0	25
				11-27	0	0	2	1	0	0	1	0	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	2	4	2	2	3	0	3	2	5	4	4	0	31
0300	1	0	0	1-10	0	3	0	1	1	1	3	3	7	0	1	3	23
				11-27	0	0	2	1	0	0	0	1	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	3	2	2	1	1	3	4	9	1	1	3	30
0600	1	0	0	1-10	0	3	2	0	2	1	6	8	2	1	1	0	26
				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	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	3	2	0	2	1	6	10	4	1	1	0	30
0900	1	0	0	1-10	2	0	0	4	0	1	0	1	2	4	2	2	18
				11-27	0	1	3	0	0	0	1	2	2	2	1	0	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	3	4	0	1	1	3	4	6	3	2	30
1200	0	0	0	1-10	3	3	1	0	0	0	0	0	1	3	4	3	18
				11-27	0	1	2	1	0	0	2	1	2	2	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	3	4	3	1	0	0	2	1	3	5	5	4	31
1500	1	0	0	1-10	0	6	1	0	0	0	1	2	1	1	3	4	19
				11-27	0	4	1	0	0	0	0	1	1	1	1	1	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	0	10	2	0	0	0	1	3	2	3	4	5	30
1800	0	0	0	1-10	4	8	5	0	1	1	0	1	2	1	0	3	26
				11-27	0	0	2	0	0	0	0	1	1	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	4	8	7	0	1	1	0	2	3	2	0	3	31
2100	0	0	0	1-10	0	4	3	0	3	0	2	1	2	0	3	5	23
				11-27	0	0	1	3	0	0	1	1	1	1	0	0	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	4	4	3	3	0	3	2	3	1	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) — JANUARY 1963

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	3	3	0	5	2	5	3	3	0	0	1	26
				11-27	0	0	0	0	0	0	1	3	0	0	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	3	3	0	5	2	6	6	3	0	0	1	30
0300	1	0	0	1-10	0	3	3	2	2	8	2	6	1	0	0	0	27
				11-27	0	0	0	0	0	0	1	1	1	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	3	3	2	2	8	3	7	2	0	0	0	30
0600	2	0	0	1-10	0	0	2	3	2	1	2	6	5	2	0	0	23
				11-27	0	0	0	1	0	1	1	3	1	0	0	0	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	2	4	2	1	3	9	6	2	0	0	29
0900	1	0	0	1-10	0	3	2	0	0	1	0	4	3	2	1	1	17
				11-27	0	0	4	2	0	0	0	4	0	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	3	6	2	0	1	0	8	3	5	1	1	30
1200	0	0	0	1-10	2	3	3	0	0	0	0	2	4	2	1	3	20
				11-27	0	2	2	0	0	0	0	1	3	2	1	0	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	5	5	0	0	0	0	3	7	4	2	3	31
1500	0	0	0	1-10	2	5	2	0	0	0	0	4	1	1	4	3	22
				11-27	0	1	2	0	0	0	0	1	2	2	1	0	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	6	4	0	0	0	0	5	3	3	5	3	31
1800	1	0	0	1-10	1	5	8	0	0	2	3	1	2	0	2	0	24
				11-27	0	0	1	1	0	1	0	0	2	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	5	9	1	0	3	3	1	4	1	2	0	30
2100	0	0	0	1-10	1	3	2	2	3	3	0	4	4	1	1	0	24
				11-27	0	0	1	2	1	0	1	1	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	1	3	3	4	4	3	1	5	4	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.

ABBASIYA (H.Q) — JANUARY 1963

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	2	1	1	1	1	1	0	2	0	0	0	11
				11–27	0	0	0	0	0	0	1	0	1	0	0	0	2
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	1	1	1	1	2	0	3	0	0	0	13
0300	16	0	0	1–10	2	1	0	0	2	2	2	4	0	0	0	1	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	2	1	0	0	2	2	3	4	0	0	0	1	15
0600	21	0	0	1–10	1	1	1	0	0	0	2	1	1	0	0	0	7
				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	1	1	1	0	0	0	4	2	1	0	0	0	10
0900	1	0	0	1–10	2	5	1	1	0	0	2	4	3	2	2	2	24
				11–27	0	1	0	0	0	0	2	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	2	6	1	1	0	0	4	5	4	3	2	2	30
1200	1	0	0	1–10	6	3	1	0	0	0	4	3	2	1	2	4	26
				11–27	0	1	0	0	0	0	0	1	2	0	0	0	4
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	4	1	0	0	0	4	4	4	1	2	4	30
1500	3	0	0	1–10	11	2	0	0	0	1	3	2	2	1	2	2	26
				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	11	2	0	0	0	1	3	2	4	1	2	2	28
1800	10	0	0	1–10	6	6	0	0	1	1	2	1	1	0	1	0	19
				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	6	6	0	0	1	1	2	2	2	0	1	0	21
2100	14	0	0	1–10	1	4	3	1	1	1	0	3	0	2	0	0	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	4	3	1	1	1	0	4	0	2	0	0	17

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

HELWAN — JANUARY 1963

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	3	4	1	0	1	0	1	1	1	0	0	2	14
				11-27	0	5	1	0	1	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	3	9	2	0	2	0	1	1	2	0	0	2	22
0300	6	0	1	1-10	2	8	1	2	1	1	0	1	0	1	1	0	18
				11-27	0	1	2	0	0	0	1	1	1	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	9	3	2	1	1	1	2	1	1	1	0	24
0600	12	0	0	1-10	1	3	3	1	1	3	2	0	1	0	0	0	15
				11-27	0	3	1	0	0	0	0	0	0	0	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	6	4	1	1	3	2	0	1	0	0	0	19
0900	5	0	1	1-10	1	2	1	1	0	2	4	0	1	2	1	3	18
				11-27	0	1	1	1	0	0	2	0	2	0	0	0	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	3	2	2	0	2	6	0	3	2	1	3	25
1200	2	0	0	1-10	2	1	1	0	0	0	5	1	2	1	3	1	17
				11-27	1	3	1	0	0	0	0	3	1	2	0	1	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	4	2	0	0	0	5	4	3	3	3	2	29
1500	4	0	0	1-10	3	2	1	0	0	1	4	0	2	1	2	2	18
				11-27	0	3	1	0	0	0	0	1	2	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	3	5	2	0	0	1	4	1	4	1	2	4	27
1800	9	0	0	1-10	5	1	1	0	0	1	1	1	1	1	2	1	1[illegible]
				11-27	1	3	2	1	0	0	0	0	0	0	0	0	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	0	4	3	1	0	1	1	1	1	1	2	1	2[illegible]
2100	4	0	0	1-10	6	3	1	1	0	0	3	0	2	0	0	3	19
				11-27	0	5	1	1	0	0	1	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	8	2	2	0	0	4	0	2	0	0	3	27

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

MINYA (A) JANUARY 1963

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	5	0	0	0	1	6	2	0	0	0	0	11	25
				11—27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	0	0	0	1	6	2	0	0	0	0	11	26
0300	6	0	0	1—10	5	0	0	0	0	5	4	0	1	0	0	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	5	0	0	0	0	5	4	0	1	0	0	10	25
0600	1	0	0	1—10	8	0	0	0	0	5	5	2	2	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	8	0	0	0	0	5	5	2	2	0	1	7	30
0900	0	0	0	1—10	4	5	1	0	0	1	4	5	1	3	0	5	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	4	7	1	0	0	1	4	5	1	3	0	5	31
1200	0	0	0	1—10	6	1	0	0	0	1	1	1	1	4	4	3	22
				11—27	3	3	0	0	0	0	0	0	0	3	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	9	4	0	0	0	1	1	1	1	7	4	3	31
1500	5	0	0	1—10	11	2	0	0	3	1	1	2	0	2	1	0	23
				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	2	0	0	3	1	1	2	0	2	2	0	26
1800	6	0	0	1—10	6	7	0	0	0	1	3	0	0	0	3	2	22
				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	8	8	0	0	0	1	3	0	0	0	3	2	25
2100	2	0	0	1—10	10	0	0	1	1	2	3	0	0	2	3	5	27
				11—27	1	1	0	0	0	0	0	0	0	0	0	0	2
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	1	0	1	1	2	3	0	0	2	3	5	29

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

ASYOUT (A)—JANUARY 1963

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	0	0	0	0	1	0	0	1	19	2	0	23
				11-27	0	0	0	0	0	0	0	2	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	1	0	2	1	19	2	0	25
0300	3	0	0	1-10	0	0	0	0	2	2	0	0	0	15	7	1	27
				11-27	0	0	0	0	0	0	0	0	1	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	2	2	0	0	1	15	7	1	28
0600	4	0	0	1-10	0	0	0	2	4	1	0	0	0	14	4	1	26
				11-27	0	0	0	0	0	0	0	0	1	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	2	4	1	0	0	1	14	4	1	27
0900	6	0	0	1-10	2	0	1	2	1	0	0	0	0	1	11	3	21
				11-27	2	0	0	0	0	0	0	0	0	1	1	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	0	1	2	1	0	0	0	0	2	12	3	25
1200	2	0	0	1-10	0	0	1	0	0	0	0	0	1	1	3	11	17
				11-27	3	0	0	0	0	1	1	0	1	1	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	0	1	0	0	1	1	0	2	2	4	15	29
1500	2	0	0	1-10	2	0	0	1	1	1	0	0	0	2	11	8	26
				11-27	0	0	0	0	0	0	0	0	0	1	2	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	1	1	1	0	0	0	3	13	8	29
1800	2	0	0	1-10	0	0	0	0	0	1	1	0	5	12	7	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	0	0	0	0	0	1	1	0	5	12	8	2	29
2100	6	0	0	1-10	0	0	0	1	0	3	0	1	0	16	2	0	23
				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	0	0	1	1	3	0	1	0	18	3	0	25

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

LUXOR (A)—JANUARY 1963

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	2	1	1	4	0	1	2	3	0	1	0	15
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	2	1	1	4	0	1	2	3	0	1	0	15
0300	18	0	0	1–10	1	1	2	1	3	0	1	0	3	1	0	0	13
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	2	1	3	0	1	0	3	1	0	0	13
0600	19	0	0	1–10	0	3	2	1	1	0	2	0	1	2	0	0	12
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	3	2	1	1	0	2	0	1	2	0	0	12
0900	2	0	0	1–10	10	10	1	1	0	0	0	1	3	0	2	1	29
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	10	1	1	0	0	0	1	3	0	2	1	29
1200	1	0	0	1–10	13	3	2	1	0	0	0	0	2	1	1	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	13	3	2	1	0	0	0	0	2	1	1	7	30
1500	12	0	0	1–10	9	5	0	0	0	0	0	0	0	1	0	4	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	9	5	0	0	0	0	0	0	0	1	0	4	19
1800	14	0	0	1–10	0	2	1	0	1	0	1	5	3	1	0	2	16
				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	2	1	0	1	0	1	5	4	1	0	2	17
2100	12	0	0	1–10	4	1	0	1	0	2	1	4	3	0	1	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	4	1	0	1	0	2	1	4	3	0	1	2	19

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

ASWAN (A)— JANUARY 1963

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	9	2	0	0	0	1	0	0	0	0	1	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	18	9	2	0	0	0	1	0	0	0	0	1	31
0300	1	0	0	1—10	20	5	1	0	0	0	0	1	0	0	0	0	27
				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	22	6	1	0	0	0	0	1	0	0	0	0	30
0600	2	0	0	1—10	14	10	0	0	0	0	0	1	0	0	0	0	25
				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	12	0	0	0	0	0	1	0	0	0	0	29
0900	1	0	0	1—10	8	10	1	0	0	0	0	0	0	0	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	13	15	1	0	0	0	0	0	0	0	0	1	30
1200	0	0	0	1—10	6	10	2	1	0	0	0	1	0	0	0	0	20
				11—27	5	5	0	0	0	0	0	0	0	0	1	0	11
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	15	2	1	0	0	0	1	0	0	1	0	31
1500	2	0	0	1—10	13	1	0	0	0	0	0	0	0	2	1	2	19
				11—27	8	1	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	2	1	3	29
1800	0	0	0	1—10	13	6	1	0	0	0	0	1	0	0	1	1	23
				11—27	6	1	0	0	0	0	0	0	0	0	0	1	8
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	19	7	1	0	0	0	0	1	0	0	1	2	31
2100	0	0	0	1—10	17	6	0	1	0	0	0	0	1	0	1	2	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	19	7	0	1	0	0	0	0	1	0	1	2	31

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

SIWA — JANUARY 1963

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	15	0	0	1-10	0	0	1	2	2	1	0	1	0	7	1	0
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	1	2	2	1	0	1	0	7	2	0
0300	18	0	0	1-10	0	0	0	3	1	0	0	1	2	5	0	0
				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	0	0	0	3	1	0	0	1	2	6	0	0
0600	22	0	0	1-10	0	0	0	1	2	0	0	0	1	4	0	0
				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	0	0	0	1	2	0	0	0	1	5	0	0
0900	6	0	0	1-10	1	0	0	0	6	1	2	0	2	6	3	1
				11-27	0	0	0	0	0	1	0	0	0	0	2	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	0	0	0	6	2	2	0	2	6	5	1
1200	0	0	0	1-10	0	0	0	0	4	2	0	6	3	6	2	1
				11-27	0	0	0	0	0	0	2	0	0	2	3	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	0	0	0	0	4	2	2	6	3	8	5	1
1500	2	0	0	1-10	1	0	0	0	3	3	2	2	3	4	6	3
				11-27	0	0	0	0	0	0	0	0	0	1	1	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	3	3	2	2	3	5	7	3
1800	10	0	0	1-10	0	0	0	0	3	1	2	1	4	8	0	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	0	0	0	0	3	1	2	1	4	8	0	2
2100	14	0	0	1-10	0	0	0	4	1	1	0	0	1	6	0	3
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	4	1	1	0	0	1	6	1	3

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

BAHARIYA — JANUARY 1963

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	4	0	2	0	0	0	2	0	3	1	0	13
				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	1	4	0	2	0	0	0	2	0	6	1	0	16
0300	22	0	0	1-10	1	2	0	0	0	0	0	1	1	3	0	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	1	2	0	0	0	0	0	1	1	4	0	0	9
0600	24	0	0	1-10	1	0	0	0	0	0	0	0	2	3	0	0	6
				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	4	0	0	7
0900	13	0	0	1-10	5	1	1	1	0	0	1	0	0	3	2	0	14
				11-27	0	0	1	0	0	0	0	0	0	2	1	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	1	2	1	0	0	1	0	0	5	3	0	18
1200	5	0	0	1-10	4	4	2	2	0	0	1	0	0	2	1	2	18
				11-27	0	0	1	0	0	1	0	0	1	3	1	0	7
				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	4	3	2	0	1	1	0	1	6	2	2	26
1500	5	0	0	1-10	7	3	3	0	0	0	0	1	0	3	3	2	22
				11-27	0	0	0	0	0	0	1	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	7	3	3	0	0	0	1	1	0	4	4	3	26
1800	8	0	0	1-10	3	5	0	0	0	0	0	1	1	3	2	4	19
				11-27	0	0	1	0	0	0	1	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	3	5	1	0	0	0	1	1	2	4	2	4	23
2100	14	0	0	1-10	2	4	0	0	0	0	0	2	1	4	1	0	14
				11-27	0	1	0	0	0	0	0	0	1	1	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	5	0	0	0	0	0	2	2	5	1	0	17

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

FARAFRA — JANUARY 1963

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	1	1-10	2	1	1	0	0	0	1	0	2	2	1	2	12
				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	2	1	1	0	0	0	2	0	2	3	1	2	14
0300	0	0	31	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	20	0	0	1-10	0	1	0	0	1	0	1	1	3	2	1	0	10
				11-27	0	0	0	0	0	0	0	0	0	1	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	0	0	1	0	1	1	3	3	1	0	11
0900	16	0	0	1-10	3	2	1	1	1	0	0	2	0	2	0	0	12
				11-27	0	0	1	0	0	0	0	0	0	0	1	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	3	2	2	1	1	0	0	2	0	3	1	0	15
1200	7	0	0	1-10	4	3	4	0	2	0	0	0	1	3	1	0	18
				11-27	1	0	1	0	0	0	0	1	0	0	3	0	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	3	5	0	2	0	0	1	1	3	4	0	24
1500	0	0	0	1-10	0	8	5	0	2	0	0	1	0	0	3	6	25
				11-27	1	0	1	0	0	0	1	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	1	8	6	0	2	0	1	1	0	2	4	6	31
1800	11	0	0	1-10	5	2	1	0	2	0	0	1	0	3	2	2	18
				11-27	1	0	0	0	0	0	1	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	2	1	0	2	0	1	1	0	3	2	2	20
2100	16	0	0	1-10	4	3	0	0	1	0	1	0	2	1	2	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	5	3	0	0	1	0	1	0	2	1	2	0	15

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

DAKHLA — JANUARY 1963

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	1	0	1	0	0	0	0	8	4	9	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	0	1	0	0	0	0	8	4	9	0	23
0300	7	0	0	1—10	1	1	0	1	0	0	2	2	2	7	5	3	24
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	0	1	0	0	2	2	2	7	5	3	24
0600	6	0	0	1—10	2	0	1	1	1	0	1	1	5	5	5	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	2	0	1	1	1	0	1	1	5	5	5	3	25
0900	0	0	0	1—10	4	1	2	2	1	0	0	0	0	1	12	7	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	4	1	2	2	1	0	0	0	0	1	13	7	31
1200	0	0	0	1—10	7	4	0	1	0	0	0	0	0	3	4	9	28
				11—27	0	1	0	0	0	1	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	5	0	1	0	1	0	0	0	3	5	9	31
1500	0	0	0	1—10	8	4	1	0	0	0	0	0	0	2	3	10	28
				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	9	4	1	0	0	0	1	0	0	2	4	10	31
1800	4	0	0	1—10	0	4	1	0	1	0	2	0	1	4	7	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	0	4	1	0	1	0	2	0	1	4	7	7	27
2100	2	0	0	1—10	2	0	0	0	2	0	3	2	6	8	5	1	29
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	0	2	0	3	2	6	8	5	1	29

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

KHARGA — JANUARY 1963

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	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
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	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
0900	3	0	0	1-10	14	5	1	2	1	0	0	0	0	0	1	0	24
				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	7	1	2	1	0	0	0	0	0	1	0	28
1200	4	0	0	1-10	15	2	2	1	0	0	0	0	0	1	0	2	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	3	2	1	0	0	0	0	0	1	0	2	27
1500	13	0	0	1-10	11	4	0	0	0	0	0	0	0	0	1	0	16
				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	5	0	0	0	0	0	0	0	0	1	0	18
1800	26	0	0	1-10	4	1	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	4	1	0	0	0	0	0	0	0	0	0	0	5
2100	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

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

TOR — JANUARY 1963

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	6	7	0	0	0	1	0	0	0	0	0	0	14
				11-27	0	0	0	0	6	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	6	7	0	0	0	1	0	0	0	0	1	4	19
0300	15	0	0	1-10	4	8	0	0	0	0	0	0	0	0	0	1	13
				11-27	0	1	0	0	0	1	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	9	0	0	0	1	0	0	0	0	0	2	16
0600	5	0	0	1-10	6	15	0	0	0	0	0	0	0	0	0	0	21
				11-27	1	1	0	0	0	0	0	1	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	7	16	0	0	0	0	0	1	0	0	0	2	26
0900	9	0	0	1-10	3	1	0	0	0	0	0	1	0	1	5	5	16
				11-27	0	1	0	0	0	0	0	0	0	0	3	2	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	2	0	0	0	0	0	1	0	1	8	7	22
1200	4	0	0	1-10	0	0	0	0	0	0	1	1	0	7	5	2	16
				11-27	0	0	0	0	0	0	0	1	0	0	7	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	0	0	0	0	0	0	1	2	0	7	12	5	27
1500	6	0	0	1-10	1	0	0	0	0	1	1	0	1	2	7	2	15
				11-27	0	0	0	0	0	0	0	0	0	1	6	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	1	0	0	0	0	1	1	0	1	3	13	5	25
1800	11	0	0	1-10	3	1	0	1	1	3	0	0	0	1	2	3	15
				11-27	1	0	0	0	0	0	0	0	0	0	2	2	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	1	0	1	1	2	0	0	0	1	4	5	20
2100	17	0	0	1-10	2	6	0	0	0	1	0	0	0	0	0	1	10
				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	3	6	0	0	0	1	0	0	0	0	2	2	14

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

HURGHADA — JANUARY 1963

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	0	0	0	0	0	2	0	0	0	8	8	0	18
				11-27	0	0	0	0	0	0	0	0	0	6	5	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	2	0	0	0	14	13	1	30
0300	0	0	0	1-10	0	0	0	0	0	0	0	0	0	8	8	1	17
				11-27	0	0	0	0	0	1	0	0	0	7	5	1	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	1	0	0	0	15	13	2	31
0600	0	0	0	1-10	0	0	0	0	0	0	1	0	1	7	11	0	20
				11-27	0	0	0	0	0	0	0	0	0	8	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	0	0	0	0	0	0	1	0	1	15	14	0	21
0900	0	0	0	1-10	1	0	0	0	1	1	0	0	0	0	2	6	11
				11-27	0	0	0	0	0	0	0	0	0	1	4	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	1	0	0	0	1	1	0	0	0	1	6	21	31
1200	0	0	0	1-10	6	4	1	0	1	1	0	0	0	0	0	3	16
				11-27	2	0	0	0	0	0	0	0	0	0	1	12	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	4	1	0	1	1	0	0	0	0	1	15	31
1500	2	0	0	1-10	4	1	1	2	1	0	0	0	0	0	1	7	17
				11-27	0	0	0	0	0	0	0	0	0	1	1	9	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	4	1	1	2	1	0	0	0	0	1	2	17	29
1800	2	0	0	1-10	0	0	0	0	0	3	1	1	0	4	4	1	14
				11-27	0	0	0	0	0	0	0	0	0	1	10	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	0	0	0	0	0	2	1	1	0	5	14	5	29
2100	0	0	0	1-10	0	0	0	0	0	1	1	0	1	5	11	0	19
				11-27	0	0	0	0	0	0	0	0	0	6	4	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	1	1	0	1	11	15	2	31

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

QUSEIR — JANUARY 1963

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	15	2	0	17
				11-27	0	0	0	0	0	0	0	0	0	0	4	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	15	6	5	26
0300	2	0	0	1-10	0	0	0	0	0	0	0	0	0	15	3	3	21
				11-27	0	0	0	0	0	0	0	0	0	2	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	0	0	0	0	0	0	0	0	0	17	5	7	29
0600	2	0	0	1-10	0	0	0	0	0	0	0	0	0	13	2	2	17
				11-27	0	0	0	0	0	0	0	0	0	3	3	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	0	0	0	0	0	0	0	0	0	16	5	8	29
0900	0	0	0	1-10	4	0	0	1	0	1	0	0	0	1	1	4	12
				11-27	5	0	0	0	0	0	0	0	0	1	2	10	18
				28-47	0	0	0	0	0	0	0	0	0	0	0	1	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	0	0	1	0	1	0	0	0	2	3	15	31
1200	0	0	0	1-10	4	2	3	2	0	0	0	0	0	0	0	0	11
				11-27	13	0	0	0	0	0	0	0	0	2	0	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	17	2	3	2	0	0	0	0	0	2	0	5	31
1500	2	0	0	1-10	10	1	2	3	0	0	0	0	0	0	0	3	19
				11-27	5	0	0	0	0	0	0	0	0	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	15	1	2	3	0	0	0	0	0	2	1	5	29
1800	5	0	0	1-10	1	0	0	0	0	0	1	1	0	11	5	2	21
				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	4	0	0	0	0	0	1	1	0	12	5	3	26
2100	7	0	0	1-10	0	0	0	0	0	0	0	0	0	12	6	1	19
				11-27	1	0	0	0	0	0	0	0	0	2	1	1	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	0	0	0	14	7	2	24

TABLE B 1.— UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — JANUARY 1963

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	1013mb*	1022mb*	995mb*	31	11·6	15·7	5·6	31	6.1
1000	30	159	222	84	29	13·5	21·2	5·6	29	6.4
850	31	1511	1599	1370	31	8·7	15·0	— 3.1	26	— 3.2
700	31	3086	3197	2943	31	—10·7	3·8	—11·6	19	—11.1
600	31	4298	4419	4132	31	— 8·6	— 3·8	—19·3	16	—17.8
500	31	5693	5928	5475	31	—17·9	— 9·2	—28·3	16	—25.5
400	31	7314	7477	7010	31	—29·9	—23·3	—38.5	12	—35.6
300	31	9300	9481	8971	31	—44·5	—40·9	—49·3	—	—
200	31	11919	12126	11594	31	—27·2	—49·7	—64·3	—	—
150	28	13741	13948	13439	28	—59·9	—48.0	—64·3	—	—
100	26	16247	16464	15937	26	—65.1	—53·0	—72·5	—	—
60	11	19412	19600	19185	11	—61·5	—55·9	—66·0	—	—
40	7	21983	22142	21889	7	—57·2	—54·8	—60·6	—	—
30	2	23879	23968	23791	2	—55·4	—55·2	—55·6	—	—
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 1963

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	1013mb*	1021mb*	998mb*	31	18·4	24·6	11·3	31	7.8
1000	31	151	218	26	30	17·1	22·5	10·4	30	6·8
850	31	1511	1584	1419	31	7·7	11·2	— 1·2	26	— 3·7
700	31	3088	3180	2971	31	—10·8	4·5	—12·9	20	—13·2
600	31	4298	4412	4040	31	— 8·6	— 3·7	—20·4	12	—19.0
500	31	5687	5829	5368	31	—17·7	—12·8	—25·9	9	—24.0
400	31	7323	7492	6950	31	—29·2	—24.4	—36·0	4	—35.9
300	31	9315	9526	8903	31	—44·2	—39·9	—49·7	—	—
200	31	12927	12168	11564	31	—56·2	—49·7	—65·2	—	—
150	31	13757	13947	13432	31	—58·6	—53·6	—63·6	—	—
100	24	16294	16432	16097	24	—63·6	—56·5	—67·1	—	—
60	10	19456	19560	19317	10	—61.0	—56·1	—65·4	—	—
40	4	21948	22066	21850	4	—54·8	—53·2	—58·0	—	—
30	—	—	—	—	—	—	—	—	—	—
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 1963

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	1001mb.*	1006mb.*	987mb.*	28	12.3	17.9	5.8	28	3·1
1000	28	144	191	36	18	12.9	18·9	6.3	17	3.6
850	28	1506	1564	1401	28	11.1	14.8	— 0.1	17	— 5.3
700	28	3102	3162	2985	28	0.7	5.0	—10.0	14	—11.0
600	28	4319	4590	4183	28	— 6.6	— 3·0	—14·2	9	—17.5
500	28	5713	5803	5548	28	—16.0	—13·1	—21·0	7	—25.4
400	28	7355	7456	7166	28	—28.3	—26·1	—31·3	4	—32.8
300	28	9355	9466	9143	28	—43.3	—39.6	—47·0	—	—
200	27	11983	12073	11760	27	—56.9	—51.2	—63.5	—	—
150	26	13809	13888	13591	26	—59.9	—56.2	—63.1	—	—
100	23	16308	16411	16116	23	—64.9	—60.1	—68.7	—	—
60	13	19448	19548	19372	13	—61.9	—55.5	—64·2	—	—
40	6	21963	22016	21903	6	—56·4	—54·7	—59·0	—	—
30	3	23826	23866	23774	3	—52·0	—49·8	—54·4	—	—
20	2	26451	26511	26391	2	—47·4	—45·5	—49·4	—	—
10	—	—	—	—	—	—	—	—	—	—

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

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 1200 U.T. — JANUARY 1963

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	1000·mb*	1006mb*	989mb.*	31	20·3	26.0	14.6	31	2.9
1000	31	138	191	52	17	20·0	24.5	13.7	17	3·0
850	31	1500	1566	1407	31	9.6	18.2	— 0.2	20	— 4.5
700	31	3093	3168	2965	31	1.1	6.2	— 9·3	12	—13·4
600	31	4316	4408	4164	31	— 6.3	— 1.9	—16.0	13	—19.4
500	31	5717	5826	5532	31	—16.0	— 9.7	—23·3	5	—26.6
400	31	7360	7495	7129	31	—28.2	—23.3	—35·4	6	—36.0
300	30	9364	9532	9091	30	— 43.0	—32.6	—48.0	—	—
200	29	12002	12184	11743	29	—57.4	—52.5	—63.5	—	—
150	26	13822	13970	13614	26	—60.3	—56.2	—69·7	—	—
100	22	16321	16437	16140	22	—65.0	—60.3	—70·2	—	—
60	11	19462	19546	19369	11	—61.4	—54.5	—64·4	—	—
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 1963

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	992mb*	996mb*	986mb*	30	13.4	19.3	8.0	30	— 1.2
1000	—	—	—	—	—	—	—	—	—	—
850	30	1494	1532	1457	30	10.8	17.2	3.8	22	— 4.5
700	30	3087	3127	3038	30	2.8	6.0	— 0.7	5	—12.9
600	30	4315	4360	4256	30	— 5.2	0.5	— 9.3	4	—20.0
500	30	5724	5787	5656	30	—14.1	— 7.8	—17.2	4	—25.2
400	30	7380	7484	7227	30	—26.1	—19.2	—33.7	3	—30.9
300	30	9403	9571	9307	30	—40.8	—31.5	—45.5	—	—
200	29	12070	12336	11935	29	—58.1	—49.4	—62.5	—	—
150	28	13844	14184	13668	28	—66.6	—58.6	—75.6	—	—
100	22	16225	16377	16007	22	—73.4	—66.0	—80.9	—	—
60	16	19241	19397	19144	16	—70.3	—67.0	—75.0	—	—
40	10	21708	21868	21552	10	—60.4	—55.3	—64.7	—	—
30	4	23567	23678	23397	4	—56.2	—52.3	—60.9	—	—
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 1963

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	991mb*	994mb*	986mb*	30	28.9	31.2	19.4	30	2·2
1000	—	—	—	—	—	—	—	—	—	—
850	30	1507	1553	1476	30	14.2	17.6	9.1	22	— 7.8
700	30	3123	3176	3073	30	5.9	8.8	2·9	4	—17.7
600	30	4363	4401	4308	30	— 2.2	3.8	— 5.8	4	—17.1
500	30	5787	5830	5726	30	—11.2	7.8	—14.2	—	—
400	30	7459	7514	7383	30	—22.9	—17.5	—25.8	—	—
300	30	9504	9596	9410	30	—38.2	—33.4	—41.4	—	—
200	30	12185	12318	12055	30	—55.7	—48.7	—63.2	—	—
150	26	13988	14110	13899	26	—64.4	—57.4	—70.8	—	—
100	23	16432	16557	16329	23	—71.6	—67.4	—77.5	—	—
60	18	19469	19626	19325	18	—65.8	—55.0	—69.9	—	—
40	5	21972	22082	21849	5	—57.6	—56.2	—58.8	—	-
30	2	23780	23839	23722	2	—57·9	—52·9	—62.9	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

The atmoshheric 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 1963

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
Mersa Matruh (A)	2787 (31)	730 (31)	— 8.3 (23)	3160	686	—13.1	1050	852	— 5.8	10952 (30)	231 (30)	—56.1 (30)	12670	182	—65.6	9660	270	—53.3	12700	173	250	156
Helwan	3151 (28)	703 (28)	—10.8 (17)	3720	650	—	1450	853	— 3.3	11158 (26)	228 (26)	—56.0 (26)	12500	184	—66.1	8500	292	—46.1	13700	154	270	140
Aswan ... (A)	3519 (30)	661 (30)	— 14.9 (5)	4060	621	—19.7	3000	706	—14.3	15487 (23)	119 (23)	—70.6 (23)	19220	61	—72.0	12670	176	—65.4	11200	232	270	150

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 1963

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)										
Marsa Matruh (A)	2826 (31)	727 (31)	—10.3 (24)	3000	710	—11.7	1330	864	—1.7	11177 (31)	226 (31)	—56.7 (31)	12650	175	—59.5	9980	261	—53.5	11500	218	270	150
Helwan	3187 (31)	693 (31)	—13.6 (13)	4060	628	—	1480	851	— 8.3	11144 (25)	236 (25)	—55.5 (25)	15100	118	—63.8	8780	332	—39.3	12800	180	270	152
Aswan ... (A)	3969 (30)	626 (30)	—16.3 (2)	4400	595	—	3700	646	—15.9	15590 (21)	119 (21)	—69.8 (21)	17940	78	—70.2	13500	160	—62.5	11200	234	310	195

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 1963

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	—	1	11	0	—	0	—	2	14	5	10	10	15	6	17	6	16	0	—	0	—	1	31	14
1000	0	—	0	—	1	11	0	—	0	—	2	14	5	10	10	15	5	16	6	14	0	—	0	—	1	30	14
850	1	17	0	—	1	10	2	19	1	7	0	—	2	9	1	17	3	22	8	22	10	20	1	16	1	31	18
700	1	20	0	—	0	—	0	—	0	—	1	6	0	—	1	20	6	27	11	28	7	25	1	21	2	30	24
600	0	—	0	—	1	38	0	—	0	—	0	—	0	—	0	—	5	26	12	35	9	29	2	23	1	30	30
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	44	16	45	10	31	0	—	0	30	40
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	52	18	54	8	41	1	45	0	29	51
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	11	55	9	46	1	20	0	21	49
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	10	74	5	65	3	70	0	18	71
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	96	4	77	0	—	0	9	88
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

MERSA MATRUH (A)—1200 U.T.— JANUARY 1963

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	2	8	1	16	1	8	0	—	1	8	2	15	3	10	4	18	3	23	7	17	6	15	0	31	15
1000	2	9	2	8	1	16	1	8	0	—	1	8	1	13	3	10	3	16	4	21	6	17	6	15	0	30	15
850	0	—	0	—	0	—	0	—	1	13	0	—	1	33	3	13	2	18	12	20	6	20	3	24	3	31	18
700	1	6	2	23	0	—	0	—	0	—	0	—	1	7	2	17	3	27	11	28	9	28	2	18	0	31	25
600	0	—	0	—	1	11	1	17	0	—	0	—	0	—	0	—	4	29	13	32	9	32	2	31	0	30	30
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	49	15	37	10	41	1	28	0	30	40
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	63	17	54	8	49	2	52	0	29	53
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	40	14	49	7	60	1	36	0	23	51
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	62	7	62	3	79	1	39	0	12	66
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	70	3	68	0	—	0	7	69
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

HELWAN — 0000 U.T. — JANUARY 1963

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	8	11	2	11	1	5	0	—	0	—	3	9	1	6	3	10	0	—	0	—	1	4	8	28	7
1000	3	9	6	15	3	11	0	—	0	—	0	—	0	—	2	10	0	—	1	4	0	—	2	4	2	18	10
850	1	10	2	12	1	14	1	9	0	—	0	—	3	12	2	18	7	23	5	20	3	15	3	16	0	28	18
700	1	9	0	—	0	—	0	—	0	—	0	—	1	27	4	35	5	28	10	26	3	25	4	17	0	28	26
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	42	7	32	8	40	5	25	2	18	0	27	34
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	61	4	46	10	50	6	30	2	26	0	26	45
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	78	4	81	12	53	4	40	2	19	0	26	57
300	1	31	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	85	14	66	5	35	0	—	0	22	59
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	10	96	5	80	0	—	0	15	91
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	9	92	3	92	0	—	0	12	92
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	83	2	95	0	—	0	7	87
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. — JANUARY 1963

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	3	11	2	14	0	—	0	—	0	—	5	8	3	12	[illegible]	11	3	11	3	7	1	7	2	31	9
1000	3	12	3	10	2	15	0	—	0	—	0	—	1	10	0	—	2	8	1	5	3	7	1	7	1	17	9
850	2	12	3	11	1	21	0	—	1	16	0	—	4	9	4	18	7	23	3	16	4	12	2	6	0	31	15
700	1	12	0	—	0	—	1	6	0	—	0	—	4	30	1	19	8	23	10	31	3	25	3	15	0	31	25
600	0	—	0	—	0	—	0	—	0	—	0	—	3	29	2	44	2	54	15	37	7	20	2	18	0	31	33
500	0	—	0	—	0	—	0	—	0	—	0	—	2	58	3	37	3	61	13	36	6	33	2	10	0	29	38
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	58	4	43	13	54	5	47	1	29	0	28	51
300	0	—	0	—	0	—	0	—	0	—	0	—	1	13	2	114	2	72	13	62	6	43	0	—	0	24	60
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	110	11	85	5	68	0	—	0	18	83
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	106	11	84	2	76	0	—	0	14	84
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	82	2	65	0	—	0	8	78
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

ASWAN (A) — 0000 U.T. — JANUARY 1963

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 (360-360)°																								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	16	4	10	4	7	1	7	0	—	0	—	1	7	0	—	0	—	0	—	0	—	2	14	2	30	10
1000...	3	10	5	9	8	12	2	25	1	15	2	11	0	—	2	8	2	12	2	20	1	14	2	18	0	30	13
850...	3	10	4	7	9	13	2	20	1	15	2	11	0	—	2	8	2	12	2	20	1	14	2	17	0	30	13
700...	1	12	1	10	2	13	2	15	2	8	0	—	0	—	2	10	7	26	4	12	3	16	6	11	0	30	19
600...	3	6	1	18	1	6	0	—	1	8	1	7	0	—	1	10	4	53	10	26	3	15	4	12	0	29	22
500...	0	—	1	17	0	—	0	—	0	—	0	—	0	—	1	22	2	32	12	32	6	20	5	19	0	27	26
400...	1	53	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	54	10	48	8	40	4	23	0	27	43
300...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	23	2	103	10	68	9	52	2	31	0	24	60
200...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	10	78	6	77	0	—	0	16	78
150...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	74	6	82	2	78	0	—	0	10	80
100...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	79	0	—	0	—	0	3	79
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 1963

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	23	1	4	0	—	0	—	0	—	1	6	—	—	0	—	0	—	0	—	1	13	2	12	2	20	9
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	5	7	1	11	2	6	1	16	0	—	1	9	2	10	1	7	5	7	4	15	2	15	2	15	0	30	12
700	3	11	1	4	3	15	3	17	1	29	0	—	0	—	1	21	8	22	5	24	2	12	2	13	0	30	18
600	3	12	1	8	1	6	0	0	2	10	0	—	0	—	0	—	0	43	9	29	4	12	4	11	0	30	23
500	1	18	0	—	0	—	0	0	1	11	0	—	0	—	1	[illegible]	5	45	10	31	4	22	5	18	0	27	29
400	0	—	0	—	0	—	0	0	0	0	0	—	1	—	1	3[illegible]	1	70	17	[illegible]	6	37	2	19	0	27	47
300	0	—	0	—	0	—	0	0	0	0	0	—	0	—	0	—	3	66	10	63	10	59	0	—	0	23	62
200	0	—	0	—	0	—	0	0	0	0	0	—	0	—	0	—	0	—	10	80	3	70	1	71	0	14	84
150	0	—	0	—	0	—	0	0	0	0	0	—	0	—	0	—	0	—	8	93	1	41	0	—	0	9	87
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

JANUARY 1963

This month was warm and dry as compared with normal values of air temperature and rainfall at Giza during January. The mean air temperature at 2 metres above ground was above normal (+ 1.2 C) ; the mean relative humidity was slightly below normal (— 2%) and the total rainfall was below normal (— 3.0 mms). The month was characterized by a moderate heat wave which gave the absolute maximum air temperature on the 13th ; and a moderate cold wave which gave the absolute minimum air temperature on the 29th. The cold wave gave also the lowest relative humidity, the lowest night time mean air temperature at 2 metres and the absolute minimum air temperatures at 5 cms. above different fields on the 29th.

The minimum air temperature at 5 cms. above grass (Libia) fell below 0°C on 7 days against one day in January 1962. The duration of air temperature below 0°C on these days together with the actual values of minimum air temperatures are given in the following table :—

Date	Minimum air temperature °C	Duration in hours (to the nearest half) of air temperature below the following limits.					
		0 °C	1 °C	2 °C	3 °C	4 °C	5 °C
17	— 0.4	1.0	0.0	—	—	—	—
19	—0.1	0.0	—	—	—	—	—
26	—1.5	0.5	0.0	—	—	—	—
27	— 2.1	4.0	1.0	0.0	—	—	—
28	— 3.8	7.0	5.0	2.5	0.5	—	—
29	— 5.9	7.5	7.0	7.0	5.5	4.0	1.0
30	— 3.1	1.5	3.5	1.5	0.0	—	—

In the dry field, the extreme maximum soil temperatures were higher than the corresponding values of last year ; the maximum difference was + 3.7°C at one cm. depth. The extreme minimum soil temperatures at depths between 0.3 and 10 cms. were lower than the corresponding values of last year, the maximum difference was — 5.6°C at 1 cm. depth. At 20 cms. depth, the extreme minimum soil temperature was equal to that of January 1962. At 50 and 100 cms. depths the extreme minimum soil temperatures were higher than the corresponding values of last year ; the maximum difference was + 0.9°C at 100 cms. depth.

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, water pan evaporation, potential evaporation and potential evapotranspiration were higher (+2.3, +0.65, +0.1, +0.2 mms. respectively) than the corresponding values of last January. The total actual duration of bright sunshine was 33.4 hours higher than the corresponding values of January 1962.

REVIEW OF AGRO-MEOTEOROLOGICAL STATION AT TAHRIR

JANUARY 1963

This month as a whole was rainless, though it was rather dusty during its second half intervened with light showers.

Comparing this month with last January, we find the deviations in the mean monthly values as follows ; for air temperature, relative humidity, and vapour pressure (—0.2°C, —3% and —0.5 mm.) respectively. For Piche evaporation, pan "A" evaporation & wind speed at 2 metres ; the deviations were (+2.3 mms, + 1.21 mms. and —0.4 m/sec. respectively). It is of interest to compare rainfall of this month with that of last year, which reached 8.4 mms.

The extreme minimum air temperature of the month was the lowest since the establishment of the station, namely 1.3°C, to be compared with 5.3°C last January. For the first time negative minima were recorded at 5 cms. above the dry field on 2 days, namely 29 and 30; the values being —2.9 °C,—0.4°C respectively. On the 29th. the minimum temperature at 20 cms. above the dry field was still negative, reaching down to —1.2°C. The extreme minimum relative humidity was 12% against 24% last year.

On the other hand, actual sunshine duration and total radiation exceeded last year's figures by 19 hours and 635 langleys respectively.

As for extreme soil temperatures from the surface to 1 metre depth, the maxima were higher by 2.8°C to 0.2°C, while the minima were less by 5.1 to 0.4°C down to 20 cms, the difference vanishing at 50 cms. and changing sign to +0.6°C at 1 metre depth.

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

GIZA — JANUARY 1963.

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	24.3	8.0	15.5	11.7	18.8	24.0	24.0	24.0	20.0	12.5	6.0	0.0	0.0	0.0	0.0	0.0
2	23.3	10.3	15.9	14.8	18.5	24.0	24.0	24.0	24.0	11.0	5.0	0.0	0.0	0.0	0.0	0.0
3	21.8	8.2	13.8	12.2	16.4	24.0	24.0	24.0	20.0	9.0	0.5	0.0	0.0	0.0	0.0	0.0
4	20.7	7.2	14.1	11.6	16.2	24.0	24.0	24.0	17.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0
5	24.7	7.6	16.0	12.4	19.0	24.0	24.0	24.0	19.0	13.0	7.5	0.0	0.0	0.0	0.0	0.0
6	21.5	9.9	14.7	14.7	15.5	24.0	24.0	24.0	24.0	11.0	2.5	0.0	0.0	0.0	0.0	0.0
7	23.3	8.1	15.8	13.3	18.4	24.0	24.0	24.0	21.5	12.5	5.5	0.0	0.0	0.0	0.0	0.0
8	24.4	8.5	15.4	13.9	18.5	24.0	24.0	24.0	20.0	10.0	6.0	0.0	0.0	0.0	0.0	0.0
9	24.3	6.9	13.9	11.4	18.2	24.0	24.0	24.0	14.5	9.0	5.5	0.0	0.0	0.0	0.0	0.0
10	20.7	6.5	14.2	11.0	16.9	24.0	24.0	24.0	20.5	10.0	1.0	0.0	0.0	0.0	0.0	0.0
11	20.5	6.8	14.0	12.1	16.4	24.0	24.0	24.0	18.5	10.5	0.0	0.0	0.0	0.0	0.0	0.0
12	22.5	7.6	14.7	12.1	17.4	24.0	24.0	24.0	18.5	11.5	5.0	0.0	0.0	0.0	0.0	0.0
13	26.8	7.1	15.8	13.0	19.2	24.0	24.0	24.0	18.0	12.0	6.5	2.0	0.0	0.0	0.0	0.9
14	26.6	7.0	15.7	13.1	19.5	24.0	24.0	24.0	21.5	10.0	6.5	0.5	0.0	0.0	0.0	0.0
15	20.3	10.7	14.8	14.1	16.6	24.0	24.0	24.0	24.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
16	20.5	6.2	12.8	10.8	16.4	24.0	24.0	24.0	14.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
17	20.0	6.1	13.1	9.6	15.8	24.0	24.0	24.0	16.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
18	17.8	5.5	12.6	12.1	14.2	24.0	24.0	24.0	19.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
19	20.4	3.5	12.5	10.0	14.8	24.0	24.0	22.5	15.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
20	22.8	6.1	12.3	11.6	14.8	24.0	24.0	24.0	12.5	7.0	2.5	0.0	0.0	0.0	0.0	0.0
21	22.2	7.8	14.1	10.7	17.0	24.0	24.0	24.0	19.5	9.0	3.5	0.0	0.0	0.0	0.0	0.0
22	24.6	10.2	16.7	13.2	18.9	24.0	24.0	24.0	24.0	14.0	6.0	0.0	0.0	0.0	0.0	0.0
23	21.4	11.6	16.3	16.4	17.5	24.0	24.0	24.0	24.0	15.0	3.0	0.0	0.0	0.0	0.0	0.0
24	21.0	10.4	15.1	13.4	17.0	24.0	24.0	24.0	24.0	9.5	1.5	0.0	0.0	0.0	0.0	0.0
25	16.9	10.9	13.5	13.6	14.4	24.0	24.0	24.0	24.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
26	16.5	5.2	11.0	10.9	13.0	24.0	24.0	24.0	14.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
27	17.0	3.5	9.2	7.2	12.3	24.0	24.0	21.8	8.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0
28	18.4	2.5	9.0	6.1	13.0	24.0	24.0	18.0	9.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0
29	19.5	—0.1	9.5	4.4	13.3	24.0	24.0	16.0	12.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
30	21.6	2.8	11.9	8.1	15.4	24.0	24.0	20.0	15.0	8.5	2.0	0.0	0.0	0.0	0.0	0.0
31	22.1	6.6	14.1	11.4	16.7	24.0	24.0	24.0	18.5	11.5	1.0	0.0	0.0	0.0	0.0	0.0
Total ...	—	—	—	—	—	744.0	744.0	721.5	572.0	293.5	77.0	2.5	0.0	0.0	0.0	0.0
Mean ...	21.6	7.1	13.8	11.6	16.5	24.0	24.0	23.3	18.5	9.5	2.5	0.08	0.0	0.0	0.0	0.0

Highest maximum at 2 metres 26.8 °C on 13 th.
Lowest „ „ 2 „ 16.5 °C on 26 th.
Absolute minimum temperature at 5 cms. above dry soil — 4.4 °C on 29 th.
„ „ „ „ wet „ — 2.8 °C „ 29 th.
„ „ „ „ grass — 5.9 °C „ 29 th.

Highest minimum at 2 metres 11.6 °C on 23 rd.
Lowest „ „ 2 „ — 0.1 °C on 29 th.

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

TAHRIR—JANUARY 1963

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	26.2	8.6	17.2	13.3	20.7	24.0	24.0	24.0	23.0	14.5	8.0	2.5	0.0	0.0	0.0	0.0
2	22.4	10.2	15.7	15.3	18.5	24.0	24.0	24.0	24.0	10.5	5.0	0.0	0.0	0.0	0.0	0.0
3	22.5	9.2	14.8	12.6	17.7	24.0	24.0	24.0	22.0	10.5	4.0	0.0	0.0	0.0	0.0	0.0
4	24.4	8.9	14.4	11.9	17.8	24.0	24.0	24.0	18.5	10.0	4.0	0.0	0.0	0.0	0.0	0.0
5	25.6	7.8	15.2	11.8	18.7	24.0	24.0	24.0	19.0	12.5	7.0	0.0	0.0	0.0	0.0	0.0
6	22.0	10.0	15.1	14.0	17.5	24.0	24.0	24.0	24.0	9.0	3.5	0.0	0.0	0.0	0.0	0.0
7	22.2	8.8	14.6	12.2	17.7	24.0	24.0	24.0	20.0	10.5	4.5	0.0	0.0	0.0	0.0	0.0
8	22.9	10.7	15.8	14.2	18.2	24.0	24.0	24.0	24.0	10.0	4.5	0.0	0.0	0.0	0.0	0.0
9	24.9	8.3	14.4	12.2	17.2	24.0	24.0	24.0	19.5	8.5	5.0	0.0	0.0	0.0	0.0	0.0
10	22.2	9.7	14.6	12.4	17.6	24.0	24.0	24.0	23.0	11.0	2.5	0.0	0.0	0.0	0.0	0.0
11	23.4	8.4	14.3	12.2	17.2	24.0	24.0	24.0	19.0	10.5	3.0	0.0	0.0	0.0	0.0	0.0
12	22.6	7.4	14.2	12.0	17.0	24.0	24.0	24.0	18.0	10.0	3.0	0.0	0.0	0.0	0.0	0.0
13	26.3	8.7	14.9	12.0	17.2	24.0	24.0	24.0	16.5	11.5	4.5	1.0	0.0	0.0	0.0	0.0
14	26.2	8.0	15.9	13.5	20.0	24.0	24.0	24.0	21.5	11.5	7.0	0.0	0.0	0.0	0.0	0.0
15	22.4	9.6	14.5	13.1	17.6	24.0	24.0	24.0	23.5	9.5	2.0	0.0	0.0	0.0	0.0	0.0
16	21.5	8.1	13.9	11.4	17.1	24.0	24.0	24.0	17.0	9.5	3.0	0.0	0.0	0.0	0.0	0.0
17	19.2	8.1	12.6	11.4	15.7	24.0	24.0	24.0	15.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
18	17.6	6.1	11.2	9.2	14.5	24.0	24.0	24.0	11.5	7.0	0.0	0.0	0.0	0.0	0.0	0.0
19	18.6	4.0	11.2	7.8	14.1	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
20	21.9	4.6	11.0	9.9	13.5	24.0	24.0	24.0	10.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0
21	22.2	6.6	14.4	9.4	18.3	24.0	24.0	24.0	16.0	12.0	6.0	0.0	0.0	0.0	0.0	0.0
22	24.5	10.0	16.3	13.6	19.7	24.0	24.0	24.0	24.0	11.5	7.0	0.0	0.0	0.0	0.0	0.0
23	20.5	12.9	16.1	15.3	17.7	24.0	24.0	24.0	24.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0
24	21.1	9.3	15.4	13.1	17.5	24.0	24.0	24.0	23.0	13.0	2.5	0.0	0.0	0.0	0.0	0.0
25	16.1	8.2	13.0	14.4	13.9	24.0	24.0	24.0	22.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
26	16.2	6.5	9.6	9.4	11.8	24.0	24.0	24.0	8.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
27	17.0	4.2	9.8	6.9	12.8	24.0	24.0	21.5	10.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0
28	18.9	3.4	9.5	6.9	12.9	24.0	24.0	19.0	10.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0
29	21.0	1.3	9.6	5.8	13.6	24.0	24.0	17.0	11.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0
30	24.4	4.2	12.7	7.5	17.3	24.0	24.0	20.0	15.0	9.0	5.5	0.0	0.0	0.0	0.0	0.0
31	19.1	10.3	13.8	12.1	16.1	24.0	24.0	24.0	24.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
Total ..	—	—	—	—	—	744.0	744.0	722.5	572.0	287.0	90.5	3.5	0.0	0.0	0.0	0.0
Mean ..	21.8	7.8	13.7	11.5	16.7	24.0	24.0	23.3	18.5	9.3	2.9	0.1	0.0	0.0	0.0	0.0

Highest Maximum at 2 metres 26.3°C on 13th. Highest Minimum at 2 metres 12.9°C on 23 rd.

Lowest Maximum at 2 mertes 16.1°C on 25th Lowest Minimum at 2 metres 1.3°C on 29 th.

Absolute minimum temperature at 5 cms. above dry soil — 2.3 °C on 29 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 — JANUARY 1963

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	1.2	0.2	2.6	304	9.5	10.2	93	2	6	64	33	7.6	7.2	12.3	5.52	0
2	2.4	2.4	2.4	302	9.6	10.3	93	2	3	58	42	7.5	8.3	7·0	3.39	0
3	1.1	0.5	1.9	280	8.1	10.3	79	11	14	85	59	9.3	9.7	3.8	2.29	0
4	0.8	0.0	1.9	251	8.9	10.3	86	11	14	89	60	10.0	10.5	4.1	3.18	0
5	1.2	0.4	2.3	268	9.2	10.3	89	11	14	84	39	9.7	8.6	7.5	3.27	0
6	1.7	1.0	2.8	228	5.8	10.3	56	13	17	94	63	10.6	11.2	3.0	1.93	0
7	2.1	1.5	3.0	295	8.7	10.3	84	11	12	84	44	9.8	8.9	6.9	4.01	0
8	2.1	1.8	2.5	288	9.5	10.3	92	13	14	90	36	8.8	7.8	7.1	3.75	0
9	1.3	0.6	2.3	294	9.3	10.3	90	8	11	80	41	8.4	8.8	6.7	2.43	0
10	0.8	0.1	1.9	240	6.3	10.4	61	13	14	84	52	9.6	8.9	4.4	2.45	0
11	0.8	0.1	1.7	285	9.0	10.4	87	11	13	80	57	9.1	9.4	4.5	2.43	0
12	1.3	0.3	2.8	280	9.2	10.4	88	10	11	89	44	8.8	8.5	7.6	3.57	0
13	1.5	1.3	1.8	300	8.3	10.4	80	8	9	75	37	8.5	8.9	7.8	3.71	0
14	1.1	0.5	1.8	416	9.7	10.4	93	2	5	64	34	7.3	8.0	6.4	2.59	0
15	1.2	0.8	1.7	261	6.9	10.4	66	12	16	90	57	9.6	9.7	4.1	2.95	0
16	0.7	0.2	1.4	315	9.5	10.4	91	11	12	86	49	8.1	8.2	4.6	2.90	0
17	1.2	0.0	2.8	290	8.1	10.4	78	8	9	82	55	9.0	9.1	7.0	3.10	0
18	2.5	1.7	3.6	311	9.2	10.4	88	3	5	74	50	7.2	7.2	7.9	3.62	0
19	2.3	1.5	3.5	272	6.5	10.5	62	10	13	82	42	7.6	7.2	7.6	3.09	0
20	1.7	2.0	1.2	308	7.6	10.5	72	14	15	91	48	8.2	8.8	5.2	2.35	0
21	2.2	1.1	3.6	264	4.2	10.5	40	0	1	52	28	5.4	5.2	11.8	4.50	0
22	1.4	0.7	2.4	282	6.5	10.5	62	0	0	42	24	5.2	5.2	17.3	6.83	0
23	3.9	2.7	5.6	272	6.7	10.6	63	0	4	58	43	7.5	7.6	12.0	5.29	0
24	3.2	2.2	4.7	315	8.5	10.6	80	7	9	70	43	7.6	7.2	13.7	5.60	0
25	4.5	3.3	6.3	330	8.3	10.6	78	0	0	59	32	5.7	4.4	15.0	6.10	0
26	2.6	2.1	3.4	287	8.4	10.6	79	2	5	68	42	5.9	5.6	6.7	3.66	0
27	1.4	0.7	2.3	363	10.0	10.6	94	1	7	68	31	4.9	4.2	6.5	3.76	0
28	0·9	0.5	1.4	358	10.1	10.7	94	0	4	62	29	4.4	4.0	5.5	2.45	0
29	0.7	0.0	1.8	329	8.3	10.7	78	4	7	58	22	4.4	3.4	8.0	3.63	0
30	1.8	0.4	3.8	323	8.5	10.7	79	2	5	52	26	4.8	4.5	11.2	4.20	0
31	1.0	0.2	2.1	259	5·6	10.7	52	2	5	66	45	7.5	7.7	8.0	3.18	tr.
TOTAL	—	—	—	9070	254.0	324.0	2427	202	214	—	—	—	—	241·2	111.73	tr.
Mean	1.7	1.0	2.7	293	8.2	10.5	78	6.5	8.8	74	42	7.7	7.5	7·8	3.60	tr.

Maximum amount of rainfall in one day ... ... tr. mm on 31st.
Lowest value of relative humidity ... ... 21 % on 29th.
Highest value of vapour pressure ... ... 12·3 mms. on 11th.
Lowest value of vapour pressure ... ... 3.2 mms. on 29th.

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 — JANUARY 1963

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	1.8	3.6	292	10.0	10.2	98	0	0	70	16	3.8	3.8	22.6	9.98	0
2	4.0	3.4	5.0	251	9.7	10.2	95	0	3	62	44	7.6	8.6	8.4	5.73	0
3	3.6	3.1	4.3	253	8.3	10.2	81	0	12	83	47	9.1	8.9	8.0	4.73	0
4	1.9	2.1	1.6	256	9.6	10.2	94	9	13	86	47	9.0	8.9	3.9	2.58	0
5	1.3	0.9	1.8	261	9.2	10.2	90	9	13	88	46	9.5	9.3	4.1	2.72	0
6	1.6	1.1	2.3	249	6.9	10.2	68	14	17	94	64	11.1	11.3	3.0	2.59	0
7	2.2	1.5	3.1	269	8.1	10.3	79	15	16	92	57	10.6	10.8	4.6	3.26	0
8	3.4	3.0	3.8	267	7.8	10.3	76	13	16	92	52	11.0	10.4	5.0	3.35	0
9	2.0	1.8	2.7	282	7.2	10.3	70	11	13	88	34	8.5	7.3	7.2	4.05	0
10	2.8	2.5	3.2	251	6.7	10.3	65	8	13	84	44	8.8	7.7	7.0	4.33	0
11	2.2	2.3	2.2	272	8.6	10.2	84	9	13	85	54	9.2	9.4	4.1	2.62	0
12	1.4	0.9	2.2	287	9.4	10.3	91	15	15	93	58	9.8	10.4	3.6	2.99	0
13	2.0	1.7	2.4	262	6.9	10.4	66	11	12	78	47	8.5	10.0	6.6	4.69	0
14	2.1	1.8	2.6	306	10.1	10.4	97	4	6	78	29	8.3	6.8	3.5	5.20	0
15	2.4	2.0	2.8	292	9.2	10.4	88	9	13	88	49	8.8	8.5	5.7	4.45	0
16	2.6	1.8	3.3	317	10.1	10.4	97	7	12	85	34	7.8	6.1	9.5	5.21	0
17	3.4	2.5	4.5	254	6.5	10.4	62	1	10	78	61	8.0	9.0	5.9	3.19	tr.
18	2.2	1.2	3.6	315	9.7	10.4	93	6	12	82	50	7.1	7.2	6.6	4.31	0
19	2.3	1.4	3.0	256	5.8	10.4	56	9	13	86	57	8.1	8.5	4.4	2.54	0
20	1.7	1.8	1.6	231	6.5	10.4	62	11	13	85	50	7.3	8.4	3.9	2.31	0
21	2.8	1.6	4.5	248	4.2	10.5	40	0	4	44	19	4.4	3.7	19.7	9.51	0
22	2.9	2.3	3.9	298	7.2	10.5	69	0	0	49	30	6.2	6.6	20.7	8.20	0
23	5.7	4.0	8.0	278	6.2	10.5	59	0	5	62	47	7.8	7.8	14.0	6.72	tr.
24	5.3	4.3	6.8	285	9.7	10.6	92	7	9	68	37	7.3	6.7	20.3	9.94	0
25	6.3	5.1	8.0	312	8.3	10.6	78	0	1	66	34	6.1	4.6	19.6	8.99	tr.
26	4.3	3.9	4.8	235	4.5	10.6	42	0	12	79	52	6.4	6.6	7.5	5.13	0
27	3.1	2.5	3.9	353	10.3	10.6	97	0	4	54	30	4.1	4.0	11.0	5.97	0
28	2.3	1.9	2.8	359	10.4	10.6	98	0	1	57	35	4.5	4.7	6.5	2.85	0
29	1.3	0.9	1.9	315	8.2	10.6	77	0	8	64	30	5.0	4.8	6.1	3.00	0
30	2.8	1.4	4.2	364	8.2	10.6	77	0	8	66	20	5.4	4.5	16.8	9.23	tr.
31	2.8	2.4	3.4	216	2.7	10.7	25	0	6	76	45	7.7	6.9	6.4	4.81	0
Total.	—	—	—	8700	246.2	323.0	2366	164	293	—	—	—	—	281.2	155.18	tr
Mean	2.8	2.2	3.7	2806	7.9	10.4	76	5.3	9.5	75	43	7.7	7.5	9.1	5.01	tr

Maximum amount of rainfall in one day	tr	mms on	17th, 23rd, 25th and 30th.
Lowest value of relative humidity	12	% on	1st.
Highest value of vapour pressure	12.2	mms. on	6th and 7th.
Lowest value of vapour pressure	3.3	mms. on	1st.

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

GIZA — JANUARY 1963

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0·3	39.3	—2.4	23.0	2.7	19.7	5.7
1	35.7	—1.6	22.0	2.8	19.3	6.0
2	33.0	0.9	20.3	3.6	18.9	6.6
5	24.9	6.3	18.8	5.9	16.9	8.3
10	20.9	11.5	17.2	8.0	16.2	10.1
20	19.5	15.8	15.9	9.9	15.6	12.4
50	20.2	18.2	15.9	13.4	16.7	14.8
100	22.5	20.9	17.4	16.2	18.4	17.2
200	25.6	23.7	20.5	19.2	21.8	20.4
300	26.4	25.2	—	—	—	—

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

TAHRIR — JANUARY 1963

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	31.5	0.9	—	—	—	—
1	31.6	1.4	—	—	—	—
2	30.7	2.1	—	—	—	—
5	25.7	4.2	—	—	—	—
10	22.1	7.0	—	—	—	—
20	19.2	11.4	—	—	—	—
50	18.2	14.8	—	—	—	
100	19.7	18.0	—	—	—	
200	22.4	21.0	—	—	—	
300	24.2	22.4	—	—	—	
600	25.75	25.3	—	—	—	

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

GIZA — JANUARY 1963

10 Knots or more ...	24 Days	30 Knots or more ...	0 Days.
15 " " ...	8 "	35 " " ...	0 "
20 " " ...	2 "	40 " " ...	0 "
25 " " ...	1 "	The highest gust 31 knots on 23rd.	

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

TAHRIR — JANUARY 1963

10 Knots or more	24 Days	30 Knots or more	2 days
15 ,, ,, ,,	24 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	5 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	3 ,,	The Highest Gust 24 Knots on 23rd.	

Printed at the General Organisation
for Government Printing Offices, Cairo.

Managing-Director
MOHAMED EL-FATEH OMAR

G.O., Govt. Printing Offices 15628-1963 150 ex.

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 6 NUMBER 2

FEBRUARY, 1963

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... 17–20

" A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena 21,22

" A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges 23,25

" A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 26–47

Upper Air Data

TABLE B 1.—Upper Air Climatological Data 48–50

" 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 53–58

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir... 59,60

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 6 number 1 (January 1963).

GENERAL SUMMARY OF WEATHER CONDITIONS

FEBRUARY 1963

Generally warm, rainy most of the 2nd week in the northern districts, sandy in the extreme west coast.

THE MAIN FEATURES

Two abnormally warm and prolonged intervals. A marked break down of warmth round the 6th and 24th.

Abnormally high relative humidity over the middle parts of the Republic most of the month.

Two rainy periods: (5 th-12th) and (24th-27th). Heavy rainfall on the 10th over Delta. A record for the daily rainfall at Shebin El Kom during February since 1946.

Transits of one Mediterranean secondary depression and four troughs of low pressure through East Mediterranean. One northward elongation of the Sudan low.

Subnormal oscillatory pressure field. Widespread sandstorms over the western part of the Mediterranean coast on the 14th, 15th, 21st and 22nd.

Scattered few gales in the Mediterranean and lower Egypt districts.

GENERAL DESCRIPTION OF WEATHER

The Republic enjoyed two marked warm spells most of the first week and between the 12th and 24th respectively. The first warm spell reached its peak round the 6th while the second warm spell was intervened with three rapid and rather cold spells. The 2nd and 4th weeks were characterized with rather cold rainy weather. Rain fell in two periods and extended inland to northern Upper Egypt, Red Sea and Western Desert districts; and was fairly considerable in the 1st period over Lower Egypt district, occasionally associated with thunderstorms.

Local sandrising and sandstorms occurred in scattered places in the 2nd, 3rd and 4th weeks, but they were marked on the 14th, 15th and 21st in the western part of the Mediterranean district.

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					
	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	14.5	−2.7	20.6	+1.4	10.1	+0.9	15.4	+1.2	61	−8	16.0	+16.8
Lower Egypt	15.3	−1.0	21.9	+1.3	8.6	+1.5	15.2	+1.4	62	−12	15.6	+1.2
Cairo Area	15.4	−1.8	21.8	+0.8	9.8	+0.9	15.8	+0.8	49	−10	8.1	+4.3
Upper Egypt	15.2	−1.7	25.3	+1.5	8.0	+1.2	16.6	+1.4	47	−6	1.2	+0.8
Western Desert	15.5	−2.7	24.5	+1.4	6.6	+0.1	15.6	+0.8	35	−13	2.5	+1.5
Red Sea	14.1	−2.1	24.4	+2.2	14.2	+1.5	19.3	+1.8	45	−9	1.8	+0.9

Note : The above monthly district means for atmospheric pressure and relative humidity are computed from the corresponding means for all stations that take daily 24 hourly observations in each district.

PRESSURE DISTRIBUTION

The southwestern ridge of the Siberian anticyclone operated over East Mediterranean in the first 6 days where the mean sea level pressure was round its normal, while a complex low pressure systems was acting over West Mediterranean. It appreciably deepened and started to move ESE ly on the 5th, then recurved ENE ly through the Gulf of Serte and reached Cyprus area on the 7th where it started filling on the 8th.

A second West Mediterranean low pressure system developed on the 8th following the same track and crossed the East Mediterranean region on the 11th, towards Iraq.

Between the 11th and the 20th, the southeast ridge of the Azores High extended over North Africa while two West Mediterranean low pressure systems developed round the 11th and 15th respectively and proceeded eastwards towards the Black Sea region while the two associated troughs of low pressure traversed the East Mediterranean region on the 15th and 19th respectively.

During the rest of the month, a cold anticyclone was establishing over central Europe, while two secondary depressions appeared round the 20th and 22nd respectively over Central Mediterranean. Both of them moved almost eastwards while filling and their associated troughs of low pressure crossed the Eastern Mediterranean coast on the 22nd and 24th respectively.

On the 27th there was a general fall of pressure in the East Mediterranean area and the Sudan trough showed a northward extension.

The upper troughs associated with all the mentioned Central and Western Mediterranean depressions were marked up to 300 mb. level but rather less marked above.

The prevailing upper winds up to 300 mb. level during the whole month were W/SW ly in general with the exception of few days in which W/NW ly winds were prevalent after the passage of East Mediterranean depressions. Through higher levels, winds were generally W ly.

It is worth to mention that the mean sea level pressure over the U.A.R. was generally subnormal though it was of oscillatory character.

Over the Mediterranean area and adjacent areas, both the Polar and Subtropical jet streams were evident during the whole month in the upper troposphere round 300 mb. and 190mb. levels respectively. The Polar jet stream was oscillatory between latitudes 40 & 60°N, and the Subtropical jet stream was oscillatory between latitudes 15 and 30°N.

Meanwhile, round the 8th, 11th, 15th, 19th, 22nd & 24th, the corresponding days of travelling upper troughs through East Mediterranean Region; the Polar jet stream has been displaced appreciably southwards and was evident round latitude 30°N. During these days both effective heights of the Polar and Subtropical jet streams have been lowered for the most to 490 and 250 mb. levels respectively.

The highest wind speeds recorded at Matruh, Helwan and Aswan were 160, 177 and 170 knots on the 3rd, 19th and 13th respectively.

SURFACE WIND

The prevailing surface winds this month were generally light to moderate: S/SE ly round the periods (2nd-6th) and (17th-18th), W/SW ly round the period (7th-16th) and W/NW ly on the 1st and round the periods (19th-20th) and (22nd-25th).

Surface winds were fresh/strong in association with cold frontal transits in general and during daylight hours over the Mediterranean coast west Alexandria, Canal Zone and Red Sea coastal strip.

Over Upper Egypt and Western Desert districts, calms were frequent during the night time intervals.

Gales were reported at Sallum on the 21st ; Dabaa and Fayed on the 15th and at Mersa Matruh on the 11th, 14th & 21st.

TEMPERATURE

Maximum temperature oscillated above its normal during most of the month, ranging between 22 and 28°C. in the Mediterranean district, between 24 and 30°C in Lower Egypt, Cairo and Red Sea districts, between 25 and 32°C in Western Desert district, and between 27 and 36°C in Upper Egypt district. As an exception it fell slightly below its normal round the 11th and the 25th.

The absolute maximum temperature for the Republic was 36.6°C at Kom-Ombo on the 24th.

Minimum temperature was frequently oscillatory round its normal during the whole month, though it was above its normal most of the 2nd and 3rd weeks in both Mediterranean and Cairo Area districts.

The absolute minimum temperature for the Republic was - 1.3°C at Siwa on the 2nd.

PRECIPITATION

This month was characterized by two rainy periods, (5th-12th) and (24th-27th). During the 1st period, most of the monthly rain fell. On the 10th, rain was heavy in particular and reached 24, 16, 14, 13 and 16 mms at Damanhour, Tanta, Tahrir, Mansoura and Shebin El Kom respectively. The latter is a record since 1946 when observations started.

During the 2nd period, rain was light in general apart from the far eastern part of the Mediterranean district and the northern part of Upper Egypt district where it was rather moderate.

It is worth to mention that the total monthly rainfall was below normal in the Mediterranean district while it was above normal elsewhere.

The maximum monthly rainfall was 77.4 mms at Ghazza, while the maximum daily rainfall was 30.1 mms also at Ghazza on the 11th.

MISCELLANEOUS WEATHER PHENOMENA

Rain fell at: Sallum on the 6th, 9th & 11th; Sidi Barrani on the 6th, 8th, 9th, 10th & 25th; Mersa Matruh on the 6th, 7th, 8th, 10th, 11th & 12th; Ras El Hikma on the 5th, 8th, 9th & 10th ; Dabaa on the 6th, 10th, 11th & 12th; Dekheila on the 7th, (9th-12th), 24th & 25th; Ras El Teen on the 7th, 10th, 11th & 12th; Alexandria on the 7th, 10th, 11th, 12th & 25th; Balteam on the 6th, 10th, 11th, 12th, 24th, & 25th; Damietta on the 7th, 10th, 11th, 12th, 24th, 25th & 27th; Port Said on the 8th & 23rd; El Arish on the 7th, 10th, 11th, 12th & 24th; Ghazza on the (9th-12th), 24th, 25th & 27th; El Sirw on the 10th, 11th, 12th & 24th; Sakha on the 10th, 11th; Mansoura on the 7th, 10th, 11th, 12th & 24th; Damanhour on the 10th, 11th & 24th; Tanta on the 10th & 11th; Tahrir on the 10th & 11th; Shebin El Kom on the 7th, 10th & 11th; Zagazig on the 10th, 11th & 23rd; Abu Sueir on the 10th & 11th; Banha on the 10th & 11th; Zaher on the 10th & 11th; Wadi El Natrun on the 10th; Inshas on the 10th & 11th; Fayed on the 10th, 11th, 24th & 27th; Kabrit on the 10th & 11th; Cairo on the 10th, 11th& 27th; Mostafa Helmi on the 7th, 10th & 11th; Almaza on the 10th, 11th & 27th; Abbasiya on the 7th, 10th & 11th; Imbaba on the

10th, 11th & 26th; Giza on the 10th, 11th & 27th; Helwan on the 10th, 11th & 27th; Fayoum on the 10th; Beni Suef on the 10th; Minya on the 10th; Siwa on the 5th & 10th; Bahariya on the 10th; Suez on the 10th, 11th & 26th Abu Redes on the 10th and at Tor on the 11th.

Thunderstorms occurred at : Dekheila, Ras el Teen, Alexandria and Mansoura on the 7th; Abu Sueir and Fayed on the 11th and at Siwa on the 6th.

Mist patches developed at : Ras El-Hikma on the 6th; Dekheila on the 4th & 5th; Alexandria on the 3rd, 17th &19th; Damietta on the 3rd; Port Said on the 2nd, 8th & 9th; El-Arish on the (16th-19th); Mansoura on the 9th, 14th and 17th; Tahrir on the 2nd, 14th, 17th, 26th & 28th; Shebin El-Kom on the 4th, 5th & 18th; Abu Sueir on the 2nd, 3rd, (17th-20th), 26th & 28th; Banha on the 2nd & 5th; Zahir on the 20th ; Fayed on the 11th ; Cairo on the 2nd, 5th, 11th, & 28th; Mostafa Helmi on the 2nd, 5th & 12th; Almaza on the 5th; Abbasiya on the 27th; Imbaba on the 2nd & 5th; Giza on the 1st, 2nd & 16th ; Fayoum on the 4th and at Beni Suef & Minya on the 4th.

Fog patches developed at : Dekheila on the 18th ; Ras el Teen on the 5th & 18th ; Alexandria on the 2nd, 4th, 5th & 18th ; Mansoura on the 4th, 5th & 8th ; Tahrir on the 4th, 5th & 18th ; Abu Sueir on the 4th & 5th ; Banha on the 3rd & 18th ; Zahir on the 3rd ; Wadi El Natrun on the 4th & 8th ; Inshas, Fayed, Kabrit & Cairo on the 4th ; Mostafa Helmi on the 3rd & 4th ; Almaza on the 4th ; Abbasiya on the 3rd ; Imbaba on the 3rd & 4th ; and at Giza on the 3rd, 4th, 5th & 17th.

Local rising sand or dust was reported at : Sallum on the 15th, 18th, 21st & 28th ; Sidi Barrani on the 5th, 14th, 18th, 21st & 28th ; Mersa Matruh on the 5th, 6th, 7th, 10th, 11th, 13th, 14th, 15th, 17th, 18th, 19th, 21st, 22nd, 24th, 27th & 28th ; Ras El Hikma on the 5th, 6th, 7th, 10th, 11th, 13th, 14th, 15th & 21st ; Dabaa on the 7th, 10th, 11th, 15th, 21st, 22nd & 24th ; Dekheila on the 15th ; Alexandria on the 7th & 10th ; Port Said on the 6th & 7th ; El-Arish on the 10th, 15th & 22nd ; Gazza on the 22nd ; Mansoura on the 15th & 22nd ; Tahrir on the 7th & 15th ; Abu Sueir on the 7th, 15th, 19th, 22nd & 24th ; Banha on the 15th ; Zahir on the 11th, 15th, 19th & 22nd ; Wadi El Natrun on the 7th, 10th & 15th ; Inshas on the 11th, 15th, 19th, 21st & 22nd; Fayed on the 15th, 19th, 22nd & 24th ; Kabrit on the 15th & 22nd ; Cairo on the 10th, 15th, 19th & 22nd ; Mostafa Helmi on the 7th, 8th, 10th, 11th, 15th, 19th, 21st, 22nd & 24th ; Almaza on the 10th, 15th, 19th & 22nd ; Abbasiya on the 10th & 15th ; Imbaba on the 15th ; Minya on the 10th ; Asyout on the 11th, 15th, 16th, 22nd, 24th & 25th ; Luxor on the 11th, 24th & 25 th ; Aswan on the 11th & 25th ; Siwa on the 14th ; Farafra on the 10th, 11th & 15th ; Dakhla on the 7th, 11th, 15th & 24th ; Kharga on the 11th, 15th, 19th & 22nd ; Abu Redes on the 22nd ; Tor on the 11th, 16th, 24th, 25th & 27th ; Hurghada on the 11th ; and at Quseir on the 9th, 11th, 16th 17th, 20th, (23rd — 28th).

Sand or duststorms blew over : Sallum on the 21st ; Sidi Barrani on the 14th & 21st, Mersa Matruh on the 5th, 7th, 14th, 15th, 21st & 24th ; Ras El Hikma on the 21st ; Dabaa on the 15th ; Abu Sueir on the 11th and over Inshas & Fayed on the 15th.

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 "H_p" AND TO MEAN SEA LEVEL

FEBRUARY 1963

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	Dev. from normal	0600 U.T. Mean	Dev. from normal	1200 U.T. Mean	Dev. from normal	1800 U.T. Mean	Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb.) (corrected to M.S.L.) 0000 U.T. Mean	Dev. from normal	0600 U.T. Mean	Dev. from normal	1200 U.T. Mean	Dev. from normal	1800 U.T. Mean	Dev. from normal
MEDITERRANEAN	Sallum	6.0	1013.1	—	1013.6	−2.7	1012.6	−2.9	1012.9	−3.0	6.0	1013.7	—	1014.1	−2.7	1013.1	−2.9	1013.4	−3.2
	Sidi Barrani	22·8	1010.2	−1.9	1010.8	−2.1	1009.6	−2.6	1010.1	−2.4	24 0	1012.8	−1 8	1013.4	−2.1	1012.2	−2.6	1012.7	−2.4
	Mersa Matruh (A)	30·0	1010.6	−2.3	1011·0	−2.0	1010.1	−2.4	1010.8	−2.3	30 0	1014.3	−2 3	1014.7	−2.0	1013.8	−2.4	1014.5	−2.3
	Ras El Hikma	45 8	1008.1	—	1009.3	—	1.08.1	—	1008.4	—	45·8	1013.4	—	1014.6	—	1013.6	—	1014.0	—
	Dabaa	18.0	1011.9	—	1012.5	—	1011.7	—	1012.2	—	17·8	1013.9	—	1014.5	—	1013.7	—	1014.2	—
	Dekhela (A)	6·0	1014.4	—	1014.8	—	1014.0	—	1014.5	—	5·9	1015·1	—	1015.5	—	1014.7	—	1015.2	—
	Ras El Tin	8 4	1014·1	—	1014 5	—	1013 9	—	1014 3	—	8·4	1015 1	—	1015.5	—	1014.9	—	1015.3	—
	Alexandria (A)	7·0	1014.1	[illegible]	1014.6	−1.7	1013.7	−1.8	1014.3	−1.8	6·8	1014 9	−1.8	1015.4	−1.7	1014.5	−1.8	1015.1	−1.8
	Burullus	2 0	1015.9	—	1016·3	—	1014.5	—	1015 2	—	2.0	1015 1	—	1015.5	—	1014.7	—	1015.4	—
	Damietta	5 0	1015.0	—	1015·5	−1 2	1014.2	−1.7	1015.3	−1.3	5.0	1015.1	—	1015.9	−1.2	1014.6	−1.7	1015.7	−1.3
	Port Said (A)	7.4	1 1·3	−1·4	1014.7	−1.6	1013.7	−1.6	1014·7	−1.1	6.1	1015·0	−1.4	1015.1	−1.6	1014.1	−1.6	1015.4	−1.4
	El Arish	17.1	1013 3	−0·1	1014 1	−1.8	1012 6	−2.2	1013.7	−1.8	17·1	1015.2	−0.1	1016.0	−1·8	1014 5	−2.2	1015.6	−1.8
	Ghazza	17·7	1013 4	—	1014 1	—	1012.7	—	1013.7	—	15·7	1015.3	—	1016.0	—	1014.6	—	1015.6	—
LOWER EGYPT	Mansoura	9 0	1015 3	—	1015.5	−1.7	1014 3	−2 3	1015.2	−2.3	3 6	1015.7	—	1015.9	−1 7	1014.7	−2.3	1015 6	−2.3
	Damanhour	6·7	1015 4	—	1015·2	−2 [illegible]	1014 3	−2.3	1015 0	−2.5	6·7	1015 8	—	1015 9	−2..	1015.0	−2.4	1015.7	−2.6
	Tanta	15 8	1012.3	—	1013 8	−1.7	1012.7	−1.0	1013.7	−0 9	15 4	1014.5	—	1015·0	−1.3	1013.9	−1.0	1014.9	−0.9
	Tehair	15·0	1012 8	—	1013.3	—	1012.2	—	1013.0	—	15·6	1015.0	—	1015.6	—	1014.4	—	1015 2	—
	Shebin El-Kom	13 1	1013.5	—	1014.2	−2 2	1012 9	−2.1	1013.7	−1.9	13.8	1015.0	—	1015.7	−2.2	1014 4	−2.2	1015.2	−1.9
	Zagazig	13 0	1013.5	—	1014.7	−2.1	1013.0	−2.2	1014.2	−2.0	13.0	1015.1	—	1016 3	−2.1	1015.3	−2.2	1015.8	−2.0
	Abu Sueir (A)	16.0	1013.6	—	1014 3	—	1012.7	—	1014.0	—	16.0	1015.6	—	1016.3	—	1014.6	—	1015.9	—
	Banha	14 9	1013 3	—	1014.0	—	1012.5	—	1013.5	—	14.9	1015.1	—	1015.8	—	1014.3	—	1015.3	—
	Zaher (A)	23.5	1010 [illegible]	—	1011.3	—	1010.1	—	1010.8	—	23.3	1014.1	—	1015.0	—	1013.7	—	1014.5	—
	Wadi El Natrun	0 9	1017 8	—	1016.4	−0.1	1015 2	+0.6	1016.0	+0.5	0.9	1015 9	—	1016.5	−0.1	1015.3	+0.6	1016.1	+0.5
	Inshas (A)	25.5	[illegible]	—	1014.4	—	1010.0	—	1011.0	—	25.6	1013.9	—	1014.5	—	1013.0	—	1014 1	—
	Fayed (A)	35 0	1013.5	—	1014·2	—	1012·4	—	1013.8	—	35.0	1016.1	—	1016.8	—	1015.0	—	1016.3	—
	Kabrit (A)	4.9	1014.3	—	1015.1	—	1 013.3	—	1014.4	—	4.8	1015.7	—	1016.5	—	1014.6	—	1015.8	—
CAIRO AREA	Cairo (A)	74.5	1007.4	−2.1	1008.0	−2.0	1006.7	−2.1	1007.8	−1.7	74.0	1015.3	−2 1	1015 8	−2.1	1014.3	−2.2	1015.5	−1.8
	Mostafa Helmi	164.0	995.9	—	996.4	—	995·1	—	996.1	—	164.0	1015.6	—	1015.8	—	1014.2	—	1015.5	—
	Almaza (A)	78.5	1005.6	−2.0	1006.2	−2.1	1004.9	−1.9	1005.8	−1.8	78.6	1015.0	−2·1	1015.7	−2.1	1014.1	−2.0	1015.2	−1.8
	Abbasiya (H.Q.)	26.4	1012 4	—	1013.0	—	1011.6	—	1012 6	—	26.4	1016.1	—	1016.7	—	1015.3	—	1016.3	—
	Imbaba (A)	19.0	1013.1	—	1013.9	—	1012.2	—	1013.1	—	19.0	1015.2	—	1016.0	—	1014.3	—	1015.2	—
	Giza	22 5	1012.8	—	1013·4	−1.0	1012.0	−1.1	1012.8	−1.1	22.5	1015.6	—	1016.2	−1.0	1014.8	−1.1	1015.6	−1.1
	Helwan	140.7	998·7	—	999.5	−2.0	998.0	−1.5	998.9	−1.5	140.7	1015 9	—	1016.6	−2.2	1014.7	−1.6	1016.0	−1 5

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

FEBRUARY 1963

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	1012.8	—	1013.7	—1.4	1011.8	—1.3	1012.8	—1.1	23.3	1015.8	—	1016.7	—1.4	1014.8	—1.3	1015.8	—1.1
	Beni Suef	30.0	1011.7	—	1012.7	—1.6	1011.0	—1.2	1011.8	—1.2	30.0	1015.2	—	1016.4	—1.5	1014.4	—1.2	1015.3	—1.2
	Minya ... ... (A)	40.0	1010.5	—2.0	1011.4	—2.3	1009.8	—2.0	1010.6	—1.7	40.3	1015.5	—2.1	1016.4	—2.2	1014.5	—2.1	1015.4	—1.8
	Asyout (Mangabad) ... ... (A)	69.6	1007.5	—0.3	1008.5	—1.8	1006.5	—1.5	1007.3	—0.5	69.5	1016.0	—0.2	1017.0	—1.7	1014.7	—1.5	1015.5	—0.5
	Nag Hammadi	70.5	1006.6	—	1008.5	—2.3	1006.1	—2.1	1007.1	—1.9	70.5	1015.1	—	1017.1	—2.2	1014.3	—2.2	1015.4	—2.1
	Kena	74.2	1006.7	—	1007.7	—1.9	1005.4	—1.4	1006.0	—1.5	74.2	1013.4	—	1016.6	—1.9	1013.9	—1.4	1014.7	—1.6
	Luxor ... ... (A)	88.5	1004.0	—2.0	1005.3	—2.4	1003.0	—2.0	1003.6	—2.2	88.4	1014.5	—2.1	1015.8	—2.3	1013.1	—2.1	1013.9	—2.3
	Kom Ombo	102.6	1001.8	—	1003.4	—	1000.7	—	1001.6	—	102.6	1014.0	—	1015.7	—	1012.5	—	1013.6	—
	Aswan ... ... (A)	193.5	990.5	—	991.8	—2.2	989.6	—1.9	990.3	—1.8	200.0	1014.4	—	1015.8	—2.1	1012.4	—2.2	1013.7	—1.9
Western Desert	Siwa	-13.5	1016.8	—1.8	1017.7	—2.3	1016.3	—2.1	1016.3	—2.2	-13.3	1014.9	—1.8	1015.8	—2.3	1014.6	—2.1	1014.6	—2.2
	Bahariya	129.5	1009.2	—	1000.8	—2.0	999.6	—2.6	1000.3	—2.0	129.6	1016.1	—	1016.7	—2.0	1014.8	—2.7	1015.8	—2.2
	Farafra	91.8	1005.7	—	1007.0	—2.2	1005.6	—2.4	1005.9	—2.4	92.1	1017.0	—	1018.4	—2.2	1016.5	—2.5	1017.0	—2.5
	Dakhla	111.5	1009.5	—	1001.5	—2.8	1000.0	—2.2	1000.1	—2.7	111.5	1014.1	—	1015.1	—2.7	1012.8	—2.4	1013.3	—2.6
	Kharga	72.8	1006.8	—	1008.1	—2.7	1006.0	—3.0	1006.7	—2.7	73.0	1015.5	—	1016.6	—2.9	1012.4	—3.0	1015.1	—2.8
Red Sea	Suez	11.0	1015.8	—	1015.3	—1.8	1013.6	—1.9	1014.5	—1.1	12.2	1017.0	—	1016.5	—1.8	1014.8	—1.9	1015.7	—1.1
	Abu Redes...	4.0	1014.0	—	1015.1	—	1013.4	—	1014.2	—	4.0	1014.4	—	1015.5	—	1013.8	—	1014.6	—
	Tor	4.2	1013.8	—	1014.7	—2.0	1012.9	—2.1	1013.7	—1.5	4.2	1014.2	—	1015.1	—2.0	1013.3	—2.1	1014.1	—1.5
	Hurghada	2.8	1013.7	—0.4	1015.0	—1.4	1012.9	—1.7	1013.8	—1.4	2.8	1013.9	—0.4	1015.2	—1.4	1013.1	—1.7	1014.0	—1.4
	Quseir	11.3	1012.7	—	1013.8	—2.1	1012.3	—2.4	1012.9	—2.1	11.3	1013.7	—	1014.8	—2.1	1013.3	—2.4	1013.9	—2.1
	Abul Kizan	5.0	1013.5	—	1013.9	—	1012.6	—	1013.0	—	5.0	1014.1	—	1014.4	—	1013.2	—	1013.6	—

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

FEBRUARY 1963

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	13.4	—	11.7	−0.8	20.3	+1.7	16.7	+1.8	9.6	—	8.5	−1.1	13.1	+0.3	11.8	+0.5	58	—	62	−4	39	−8	52	−10
	Sidi Barrani	11.7	+0.1	11.3	+0.4	19.7	+1.4	15.0	+0.6	8.5	+0.1	8.3	+0.1	12.2	−0.2	10.8	0.0	62	0	64	−2	35	−11	56	−5
	Mersa Matruh... (A)	11.1	+0.5	11.6	+0.2	19.9	+2.2	14.5	+1.1	8.4	−0.1	8.7	−0.3	12.2	−0.4	10.7	0.0	67	−6	65	−6	34	−18	59	−11
	Ras El Hikma	13.3	—	13.4	—	18.3	—	15.4	—	9.9	—	10.0	—	12.7	—	11.5	—	62	—	62	—	48	—	61	—
	Dabaa	10.6	—	10.2	−1.4	19.2	+1.0	14.1	+0.2	7.8	—	7.7	−1.4	12.5	+0.2	10.3	−0.3	65	—	68	−2	41	−5	59	−5
	Dekheila ... ... (A)	12.8	—	12.4	—	19.4	—	15.3	—	10.0	—	9.8	—	13.5	—	11.8	—	68	—	70	—	48	—	63	—
	Ras El Teen	14.9	—	14.1	—	18.0	—	16.3	—	12.0	—	11.8	—	13.5	—	12.8	—	69	—	75	—	57	—	64	—
	Alexandria ... (A)	11.9	+0.1	12.7	−0.1	19.8	+1.4	14.3	+0.6	10.1	+0.0	10.7	+0.2	14.1	+1.0	11.9	+0.6	79	−1	77	+1	50	−1	74	+1
	Balteam	14.4	—	14.6	—	19.1	—	16.0	—	11.5	—	11.8	—	14.5	—	12.7	—	69	—	70	—	58	—	65	—
	Damietta	11.4	—	11.9	−0.6	19.5	+2.1	13.9	+0.2	10.1	—	10.4	−0.4	14.5	+1.2	11.7	−0.1	84	—	83	+2	55	−5	76	−4
	Port Said ... ... (A)	14.6	+0.8	14.5	+0.7	18.6	+1.1	15.8	+0.7	12.5	+0.8	12.4	+0.9	14.5	+1.2	13.2	+0.6	77	0	77	+3	61	+1	73	0
	El Arish	12.2	+0.3	13.5	+0.9	20.3	+2.2	15.3	+1.2	10.5	+0.7	10.8	+0.7	14.6	+1.0	13.2	+1.5	80	+5	70	−1	51	−7	78	+4
	Ghazza	13.3	—	14.2	—	18.3	—	16.1	—	11.1	—	11.2	—	14.8	—	13.8	—	75	—	67	—	66	—	76	—
LOWER EGYPT	El Sirw	10.5	—	13.4	+1.1	19.2	+0.8	14.4	+1.2	—	—	11.8	+1.2	14.5	+0.2	12.5	+1.1	—	—	82	+2	57	−4	80	0
	Sakha	9.5	—	14.0	+3.4	21.6	+2.6	13.5	+2.7	—	—	12.0	+2.6	16.1	+2.3	11.6	+2.1	—	—	78	−7	54	+2	79	−5
	Mansoura	8.9	—	10.9	+0.1	20.8	+2.2	12.8	+0.1	8.0	—	9.5	+0.4	14.6	+1.6	10.9	+0.6	88	—	83	+4	47	−5	78	−8
	Damanhour	11.5	—	13.8	+3.2	20.4	+2.2	13.8	+1.4	—	—	12.2	+3.2	15.0	+2.0	11.8	+1.6	—	—	82	+2	53	+1	78	−3
	Tanta...	9.9	—	10.9	+0.3	20.8	+1.1	13.3	+0.8	8.7	—	9.0	−0.2	14.9	+1.0	11.3	+0.9	84	—	76	−6	50	+1	77	+1
	Tahrir	11.4	—	12.0	—	20.7	—	15.0	—	9.3	—	9.5	—	12.9	—	11.5	—	75	—	71	—	35	—	63	—
	Shebin El Kom ...	10.4	—	10.4	0.0	21.8	+1.8	14.4	+1.4	8.7	—	8.5	−0.1	14.9	+1.6	11.6	+1.4	78	—	75	−2	43	+1	70	+2
	Zagazig	12.8	—	11.6	+0.5	21.1	+1.2	15.8	+2.7	—	—	9.4	−0.2	14.3	−0.1	12.1	+1.1	—	—	74	−7	43	−8	62	−14
	Abu Sueir... ... (A)	11.7	—	12.2	—	21.5	—	15.6	—	9.7	—	9.9	—	13.7	—	12.0	—	76	—	73	—	37	—	62	—
	Banha	11.1	—	11.0	—	20.5	—	15.2	—	8.8	—	8.8	—	14.0	—	11.5	—	72	—	73	—	45	—	61	—
	Zaher... ... ... (A)	11.9	—	12.0	—	21.3	—	15.7	—	9.2	—	9.1	—	13.9	—	11.7	—	68	—	66	—	39	—	59	—
	Wadi El Natrun ...	12.0	—	11.8	+0.4	21.4	+0.8	15.9	+0.3	8.7	—	8.7	−0.2	13.2	+0.4	11.0	+0.7	62	—	64	−6	33	−2	51	−3
	Inshas .. ..(A)	12.3	—	12.0	—	20.9	—	15.5	—	9.1	—	8.9	—	13.7	—	11.1	—	63	—	64	—	40	—	55	—
	Fayed ... ... (A)	12.0	—	13.6	—	21.9	—	16.1	—	9.4	—	10.5	—	13.5	—	11.8	—	69	—	65	—	33	—	57	—
	Kabrit ... ... (A)	12.1	—	12.6	—	21.0	—	15.9	—	9.5	—	9.9	—	13.9	—	12.0	—	69	—	69	—	41	—	60	—
CAIRO AREA	Cairo ... ... (A)	13.3	+1.2	13.9	+1.7	20.8	+0.9	16.6	+1.2	9.6	+0.2	9.8	+0.3	12.9	+0.1	11.2	0.0	59	−9	56	−12	34	−5	48	−9
	Mostafa Helmi (A)	12.1	—	12.0	—	20.3	—	15.4	—	8.7	—	8.6	—	12.2	—	10.3	—	61	—	61	—	32	—	48	—
	Almaza ... ... (A)	13.1	+1.1	12.8	+0.9	21.2	+1.5	16.1	+0.7	8.7	+0.6	8.5	−0.5	13.1	+0.7	10.5	−0.4	51	−17	52	−14	34	−3	45	−9
	Abbasiya ... (H.Q.)	13.1	—	13.7	—	21.3	—	16.6	—	9.8	—	9.8	—	13.5	—	11.9	—	63	—	57	—	36	—	54	—
	Imbaba ... ... (A)	11.0	—	11.4	—	21.5	—	15.0	—	8.4	—	8.8	—	14.0	—	11.2	—	68	—	69	—	39	—	60	—
	Giza	11.2	—	11.7	+1.1	20.7	+0.5	15.1	+1.5	8.8	—	9.1	+0.4	12.9	−0.1	10.6	+0.1	73	—	71	−5	40	+1	57	−8
	Helwan	13.1	—	13.1	+2.0	20.6	+1.4	16.1	+0.9	9.1	—	9.1	+0.9	12.4	+0.9	10.4	+0.4	55	—	55	−9	32	−1	44	−3

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

FEBRUARY 1963

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	11·9	—	11.5	−0.6	21.9	+1.3	15.6	+1.4	8.9	—	8.9	+0.7	13.9	+0.9	11·3	+0.9	65	—	69	+ 1	36	— 1	56	— 3
	Beni Suef	11.3	—	10.6	1.6	22.2	0.0	14.9	+0.4	8.3	—	7.7	−0.9	13.8	+0.2	10.8	+0.4	64	—	61	+ 6	34	+ 2	57	+ 1
	Seds	8.5	—	10.5	−0.7	21.9	+0.7	13.9	+0.2	—	—	8.5	+0.5	14.7	−0.3	11.2	+0.2	—	—	74	— 3	42	− 1	70	+ 1
	Minya... ... ... (A)	8.2	0.0	9.3	0.0	22.5	+0.7	14.0	+0.4	6.6	+1.0	7.7	+1.0	13.8	+0.8	10.4	+1.1	78	+14	79	+13	32	+ 2	61	+ 8
	Mallawi	7.7	—	8.6	—	23.6	—	12.8	—	—	—	7.5	—	14.9	—	10.5	—	—	—	8	—	33	—	74	—
	Asyout(Mangabad)(A)	11.4	−0.6	10.3	−1.0	23.0	0.0	16.5	−0.5	7.4	−0.2	6.6	−1.0	12.9	−0.2	10.4	−0.2	52	− 2	54	− 2	24	− 2	41	+ 2
	Shandaweel	10.6	—	11.7	+0.1	24.6	+1.2	15.0	+0.7	—	—	9.2	0.0	15.9	+0·3	11.9	+0.2	—	—	70	− 1	3	− 4	67	− 5
	Nag Hammadi... ...	11.1	—	12.7	+1.1	25.1	+3.3	16.3	+2.3	—	—	9.7	+1.5	15.9	+2.8	12.3	+2.1	—	—	66	+ 7	33	+ 2	59	0
	Kena	12.9	—	14.0	+2.0	25.7	+1.9	17.4	+1·7	—	—	9.9	+1.3	16.4	+1.6	12.4	+1.4	—	—	76	− 5	34	+ 2	52	− 1
	Luxor ... ... (A)	11.7	+0.9	12.9	−0.6	26.2	+1.9	17.0	+0.4	8.3	+1.0	8.9	+0.4	16.3	+1.3	11.8	+0.5	58	+ 5	55	0	31	− 7	50	+ 1
	Kom Ombo	14.1	—	15.4	—	27.9	—	20.5	—	7.9	—	9.8	—	14.6	—	11.3	—	35	—	43	—	15	—	25	—
	Aswan ... ... (A)	14.4	—	14.1	+0.2	27·0	+2.4	21.0	+1.3	7.1	—	7.5	−1.2	13.4	−0.3	10.4	−0.8	26	—	32	−13	12	−10	16	−12
Western Desert	Siwa	10.5	+0.2	9.4	+0.3	21.2	+1.1	15.9	+0.3	7.3	+0.6	6.8	+0.5	11.9	−0.2	9.8	−0.1	61	+ 6	6[illegible]	+ 2	25	− 8	40	− 3
	Bahariya	10.7	—	10.2	−1.0	22.1	+1.6	15.9	+1.5	6.2	—	6.3	−1.9	12.5	−0.5	9.4	−0.4	45	—	52	−11	25	−12	36	−16
	Farafra	10.6	—	8.1	−1.3	22.7	+1.0	16.3	+0.9	4.8	—	3.6	−2.6	12.0	−1.0	8.4	−1.1	31	—	40	−19	20	−11	25	−17
	Dakhla	8.8	—	9.1	−1.1	24.4	+1.8	16.9	−0.5	4.1	—	4.3	−1.9	13.1	0.0	9.5	−0.6	40	—	39	−11	19	− 8	31	− 2
	Kharga	10.9	—	12.8	−0.6	26.0	+2.9	16.7	+0.1	7.1	—	8.3	0.0	15.3	+0.4	10.8	+0.1	54	—	50	− 5	26	−10	43	0
Red Sea	Suez	14.1	—	17.8	+4.7	21.8	+2.2	17.4	+1.7	—	—	12·6	+2.2	16.0	+3.0	14.1	+2.4	—	—	51	−18	51	+ 9	67	+ 6
	Abu Redes	15.7	—	16.3	—	22.2	—	18.9	—	11·7	—	11.9	—	16.5	—	14.4	—	59	—	56	—	53	—	58	—
	Tor	14.2	—	15.0	+0.7	22.1	+1.6	19.2	+1.9	10.0	—	9.9	−0.4	15.6	+0.4	14.1	+1.3	55	—	48	− 9	47	− 7	54	− 2
	Hurghada...	14.4	+1.4	15.6	+0.5	23.1	+2.9	18.2	+1.1	9.6	+0.3	9·8	− 0.7	14.9	−0.2	12.6	−0·2	49	− 9	42	−10	36	−18	48	−10
	Quseir	18.5	—	19.7	+1.7	24.7	+3.0	20.9	+1.9	12.2	—	12.8	+0.3	16.8	+0.6	15.4	+1.0	43	—	40	− 9	41	− 13	53	− 5
	Abul Kizan	—	—	23.5	+1.3	24.0	+1.1	22.8	+1.4	—	—	19.8	+1.5	19.9	+1.4	19.5	+1.6	—	—	70	+ 3	67	+ 3	72	+ 4

TABLE A 8.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

FEBRUARY 1963

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	1013.1	−3.4	1013.6	−3.4	21.2	+1.2	11.3	+2.1	16.2	a	15.8	+1.9	a	10.9	+0.3	a	51	−13
	Sidi Barrani	a	1010.2	−4.3	1012.8	−4.3	20.5	+0.8	9.5	+0.5	15.0	a	14.8	+1.2	a	9.8	−0.6	a	49	−15
	Mersa Matruh (A)	a	1010.7	−3.5	1014.4	−3.5	20.7	+1.9	9.1	+0.7	14.9	a	14.6	+1.3	a	10.2	−0.2	a	53	−14
	Ras El Hikma	a	1008.4	—	1013.8	—	19.3	—	11.4	—	15.4	a	15.2	—	a	11.0	—	a	56	—
	Dabaa	a	1012.1	—	1014.1	—	19.9	+0.3	8.1	+1.9	14.0	a	13.8	+1.0	a	9.8	−0.2	a	56	−11
	Dekheila (A)	a	1014.5	—	1015.2	—	20.2	+1.6	10.3	+0.5	15.2	a	15.1	—	a	11.4	—	a	61	—
	Ras El Teen	a	1014.2	—	1015.2	—	19.0	—	13.0	—	16.0	a	15.9	—	a	12.6	—	a	65	—
	Alexandria (A)	a	1014.2	−2.7	1015.0	−2.7	21.0	+2.0	9.0	−0.6	15.0	a	14.8	+0.5	a	11.8	+0.5	a	68	+ 1
	Balteam	a	1015.0	—	1015.2	—	19.8	—	13.4	—	16.6	a	16.2	—	a	12.7	—	a	64	—
	Damietta	a	1015.0	−1.6	1015.4	−1.6	20.5	+1.4	9.9	+1.1	15.2	a	14.5	+1.3	a	11.8	0.0	a	71	− 9
	Port Said (A)	a	1014.4	−1.9	1015.1	−1.9	19.9	+1.3	13.0	+0.9	16.4	a	15.9	+1.1	a	13.1	+1.0	e	71	0
	El Arish	a	1013.5	−1.5	1015.4	−1.5	21.9	+1.7	10.3	+1.3	16.1	a	15.5	+2.1	a	12.3	+1.4	a	66	− 6
	Ghazza	a	1013.5	—	1015.4	—	19.7	—	12.7	—	10.5	a	15.6	—	a	12.8	—	a	70	—
LOWER EGYPT	El Sirw	—	—	—	—	—	20.8	+1.2	8.6	+1.1	14.7	c	14.4	+1.6	c	12.6	+1.6	e	81	+ 1
	Sakha	—	—	—	—	—	22.1	+2.1	7.8	+1.6	15.0	c	14.6	+3.0	c	12.6	+2.4	e	78	− 6
	Mansoura	a	1015.1	−2.0	1015.5	−2.0	21.5	+0.8	7.1	−0.5	14.3	a	13.5	+1.1	a	10.8	+0.5	a	70	− 6
	Damanhour	c	1014.9	−2.4	1015.6	−2.4	21.8	+1.3	8.8	+0.6	15.3	c	14.9	+2.6	c	13.0	+2.6	e	80	+ 2
	Tanta	a	1013.3	−1.3	1014.5	−1.3	21.8	+1.4	8.2	+2.6	15.0	a	14.1	+2.2	a	11.2	+0.7	a	68	−16
	Tahrir	a	1012.8	—	1015.1	—	22.5	—	9.4	—	16.0	a	15.0	—	a	10.9	—	a	57	—
	Shebin El Kom	c	1013.6	−2.0	1015.1	−2.0	22.8	+1.5	8.7	+1.2	15.8	c	14.8	+2.1	c	11.2	+1.0	c	62	− 9
	Zagazig	c	1013.8	−2.4	1015.4	−2.4	22.2	+0.8	9.5	+2.8	15.8	c	15.3	+2.6	c	12.8	+2.0	e	68	−10
	Abu Sueir (A)	a	1013.7	—	1015.6	—	22.4	—	9.5	—	16.0	a	15.4	—	a	11.3	—	a	58	—
	Banha	c	1013.2	—	1015.1	—	21.7	+1.3	9.6	+2.4	15.6	c	14.8	—	c	11.0	—	e	60	—
	Zaher (A)	a	1010.7	—	1014.4	—	22.1	—	9.7	—	15.9	a	15.4	—	a	11.0	—	a	55	—
	Wadi El Natrun	a	1015.9	+0.4	1016.0	+0.4	22.8	+1.0	9.2	+1.4	16.0	a	15.7	+1.9	a	10.6	+0.2	a	49	−13
	Inshas (A)	a	1010.8	—	1013.9	—	22.0	—	9.8	—	15.9	a	15.4	—	a	10.8	—	a	53	—
	Fayed (A)	a	1013.5	—	1016.0	—	22.8	—	9.8	—	16.3	a	15.9	—	a	11.3	—	a	54	—
	Kabrit (A)	a	1014.3	—	1015.7	—	21.9	—	9.7	—	15.8	a	15.6	—	a	11.5	—	a	58	—
CAIRO AREA	Cairo (A)	a	1007.5	−2.3	1015.3	−2.4	22.1	+1.2	10.8	+1.4	16.4	a	16.1	+1.2	a	10.8	+0.1	a	48	− 8
	Mostafa Helmi (A)	a	995.8	—	1015.3	—	21.1	—	9.9	—	15.5	a	15.1	—	a	10.1	—	a	49	—
	Almaza (A)	a	1005.6	−2.2	1015.0	−2.4	20.7	−0.1	9.7	+0.5	15.2	a	15.9	+1.1	a	10.2	−0.2	a	44	−10
	Abbasiya (H.Q.)	a	1012.4	—	1016.1	—	22.6	—	10.7	—	16.6	a	16.3	—	a	11.3	—	a	51	—
	Imbaba (A)	a	1013.1	—	1015.2	—	22.6	—	8.5	—	15.6	a	15.0	—	a	10.7	—	a	55	—
	Giza	a	1012.8	−1.0	1015.6	−1.0	22.5	+1.4	8.4	+1.3	15.4	a	14.9	+2.3	a	10.5	+0.5	a	58	−12
	Helwan	a	998.8	−1.0	1015.8	−1.3	22.0	+0.8	10.1	+0.3	16.0	a	15.7	+1.7	a	10.2	+0.4	a	45	−10

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

FEBRUARY 1963

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	1012.8	—1.2	1015.8	—1.2	22.9	+0.9	9.0	+1.8	16.0	a	15.5	+2.3	a	10.9	+1.1	a	53	—11
	Beni Suef	a	1011.8	—1.4	1015.3	—1.4	22.9	+0.3	7.7	+1.7	15.3	a	15.1	+1.5	a	10.4	+0.7	a	51	— 7
	Seds	—	—	—	—	—	23.9	+0.8	6.0	+0.6	15.0	c	13.7	+1.2	c	11.2	+1.0	e	72	— 1
	Minya (A)	a	1010.6	—2.3	1015.5	—2.3	23.0	+0.5	5.3	—0.1	14.2	a	13.8	+0.2	a	9.7	+0.3	a	56	+ 3
	Mallawi	—	—	—	—	—	24.4	—	4.8	—	14.6	c	13.2	—	c	11.4	—	e	80	—
	Asyout (Mangabad) (A)	a	1007.3	—1.9	1015.9	—1.9	24.0	+1.2	8.1	+0.7	16.0	a	15.7	+0.8	a	9.6	+0.4	a	39	— 3
	Shandaweel	—	—	—	—	—	26.2	+1.6	7.2	+1.1	16.7	c	15.5	+0.6	c	12.5	+0.3	e	68	— 3
	Nag Hammadi	c	1007.1	—2.1	1015.5	—2.3	26.1	+3.0	8.0	+2.6	17.0	c	16.4	+3.2	c	12.7	+3.2	e	62	+ 3
	Kena	c	1006.4	—1.9	1014.6	—2.2	28.3	+3.1	9.6	+2.0	19.0	c	17.5	+2.7	c	12.7	+2.0	e	54	— 3
	Luxor (A)	a	1004.0	—1.8	1014.3	—1.9	27.2	+1.5	7.9	+1.2	17.6	a	17.3	+1.6	a	11.4	+1.0	a	44	+ 2
	Kom Ombo	a	1001.9	—	1014.0	—	29.2	—	9.5	—	19.4	a	19.4	—	a	10.7	—	a	26	—
	Aswan (A)	a	990.6	—1.5	1014.1	—1.6	28.1	+2.3	11.1	+0.4	19.6	a	19.4	+2.0	a	9.8	+0.9	a	19	—19
Western Desert	Siwa	a	1016.8	—3.2	1015.0	—3.2	22.5	+0.2	6.9	0.0	14.7	a	14.6	+1.6	a	9.1	+1.0	a	43	— 3
	Bahariya	a	1000.3	—2.0	1015.9	—2.2	22.9	+0.9	7.3	+0.9	16.1	a	15.0	+1.9	a	8.8	—0.6	a	37	—21
	Farafra	a	1006.0	—2.8	1017.2	—2.9	24.1	+1.5	6.0	+0.7	15.0	a	14.9	+2.0	a	7.5	—0.6	a	26	—21
	Dakhla	a	1000.5	—2.6	1013.8	—2.6	25.7	+1.8	4.8	—1.6	15.2	a	15.2	+0.9	a	8.0	—0.9	a	29	—15
	Kharga	a	1006.9	—2.8	1015.4	—2.8	27.1	+2.8	7.9	+0.4	17.5	a	16.6	+1.8	a	10.4	+0.7	a	41	— 7
Red Sea	Suez	c	1014.8	—1.0	1016.0	—1.0	23.7	+2.4	9.5	—0.2	16.6	c	17.8	+3.1	c	13.5	+2.1	e	59	— 5
	Abu Redes	a	1014.2	—	1014.6	—	23.3	—	13.2	—	18.2	a	18.4	—	a	13.8	—	a	57	—
	Tor	a	1013.8	—2.8	1014.2	—2.8	23.5	+1.8	11.1	+1.6	17.3	a	17.8	+2.4	a	12.5	+1.4	a	50	— 6
	Hurghada	a	1013.9	—1.1	1014.1	—1.1	23.7	+2.9	11.5	+1.4	17.6	a	18.0	+1.6	a	11.8	0.0	a	42	—12
	Quseir	a	1012.9	—2.3	1013.9	—2.3	25.2	+2.2	17.0	+2.7	21.1	a	21.0	+2.0	a	14.4	+1.2	a	44	—10
	Abul Kisan	c	1013.2	—	1013.8	—	25.7	+1.6	21.9	+2.2	23.8	—	—	—	—	—	—	e	71	+ 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

FEBRUARY 1963

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	28.5	18	17.3	24	4	0	0	0	0	18.5	5	6.4	1	8	0	0	0
	Sidi Barrani	27.3	5	15.8	25	5	0	0	0	0	15.3	6	5.4	1	16	0	0	0
	Mersa Matruh (A)	27.7	4	16.7	24	3	0	0	0	0	14.1	6	3.2	2	17	1	0	0
	Ras El Hikma	26.4	6	16.1	25	1	0	0	0	0	16.1	6	8.2	1·27	6	0	0	0
	Dabaa	26.1	5	16.1	15	1	0	0	0	0	13.9	6	2.8	1	23	3	0	0
	Dekheila (A)	25.2	14	17.4	27	1	0	0	0	0	15.0	7	7.0	2.4·28	11	0	0	0
	Ras El Teen	24.2	6	16.5	27	0	0	0	0	0	15.7	6.19	9.5	18	1	0	0	0
	Alexandria (A)	25.3	6	18.5	11.25.26	1	0	0	0	0	14.5	7	4.7	2	17	1	0	0
	Balteam	23.4	5.14	16.6	10	0	0	0	0	0	15.4	7	10.5	27	0	0	0	0
	Damietta	23.8	14	16.4	25	0	0	0	0	0	13.3	18	6.0	1	10	0	0	0
	Port Said (A)	23.4	21	17.5	26	0	0	0	0	0	15.1	18	11.0	25	0	0	0	0
	El Arish	30.0	7	17.4	11.25	6	0	0	0	0	12.8	7.22	6.2	2	10	0	0	0
	Ghazza	28.2	7	15.5	25	3	0	0	0	0	16.1	7	7.6	2	7	0	0	0
LOWER EGYPT	El Sirw	24.2	14	18.7	26	0	0	0	0	0	14.0	18	5.0	1·4	21	0	0	0
	Sakha	28.3	8	17.2	16	5	0	0	0	0	11.7	6	4.2	4	24	2	0	0
	Mansoura	26.6	6	18.2	12	3	0	0	0	0	11.2	11	2.2	2	27	8	0	0
	Damanhour	26.5	5	18.1	11	4	0	0	0	0	11.9	11	6.1	2	20	0	0	0
	Tanta	26.7	5	17.6	26	4	0	0	0	0	11.8	7	3.6	1	21	4	0	0
	Tahrir	28.9	5	18.2	26	5	0	0	0	0	13.2	19	4.8	2	15	1	0	0
	Shebin El Kom	28·1	18	19.3	11	4	0	0	0	0	12.2	11	4.9	2	21	1	0	0
	Zagazig	26.7	6	17.5	11	4	0	0	0	0	12.5	19	6.3	2	18	0	0	0
	Abu Sueir (A)	28.6	6	17.8	26	4	0	0	0	0	13.5	7	4.6	2	16	1	0	0
	Banha	27.3	5	17.4	26	4	0	0	0	0	13.2	7	5.4	2	14	0	0	0
	Zaher (A)	28.7	6	17.2	26	4	0	0	0	0	13.8	19	4.9	2	11	1	0	0
	Wadi El Natrun	30.4	5.6	19.3	11	5	9	0	0	0	13.7	7	4.3	2	17	2	0	0
	Inshas (A)	28.4	6	17.9	26	4	0	0	0	0	14.0	7	5·3	2	13	0	0	0
	Fayed (A)	28.1	19	17.8	26	6	0	0	0	0	13.0	7.19.24	4.7	2	14	1	0	0
	Kabrit (A)	26.6	6.15	17.6	26	5	0	0	0	0	13.0	24	6.8	28	17	0	0	0
CAIRO AREA	Cairo (A)	29.4	5	17.8	26	4	0	0	0	0	14.8	7	6.3	2	9	0	0	0
	Mostafa Helmi (A)	28.9	5	17.1	26	3	0	0	0	0	14.5	19	7.2	2	16	0	0	0
	Almasa (A)	29.3	5	17.4	26	4	0	0	0	0	14.2	7.19	6.0	2	11	0	0	0
	Abbasiya (H. Q.)	30.2	18	18.2	26	4	0	0	0	0	15.7	7	7.0	2·26	8	0	0	0
	Imbaba (A)	27.9	18	17.7	26	5	0	0	0	0	13.1	7	2·7	2	20	3	0	0
	Giza	28.0	18	18.2	26	4	0	0	0	0	13.2	7	4.8	18	21	2	0	0
	Helwan	27.9	18	18.0	11	4	0	0	0	0	13.6	19	7.3	4	12	0	0	0

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

FEBRUARY 1963

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	27.3	18	19.0	26	6	0	0	0	0	12.1	11	6·9	18	21	0	0	0
	Beni Suef	27.6	18	17.9	11	5	0	0	0	0	11.5	7.15	3.6	3	3	0	0	0
	Seds	28.0	5.18	19.5	11,25,26	9	0	0	0	0	11.5	11	1.5	2	27	8	0	0
	Minya ... ... (A)	30.0	19	19.2	11·26	8	0	0	0	0	10.0	11	1.2	3	27	13	0	0
	Mallawi	32.5	19	19.0	25	11	1	0	0	0	9.0	11	1.4	3	28	17	0	0
	Asyout (Mangabad) ... ... (A)	30.2	19	19.6	25	9	1	0	0	0	12.0	11	5.0	3	24	0	0	0
	Shandaweel	31.0	24	23.0	9	18	1	0	0	0	13.0	11	3.5	3	25	2	0	0
	Nag Hammadi...	32.0	24	21.8	11	16	2	0	0	0	14.1	11	4.9	3	24	1	0	0
	Kena	33.0	19	22.5	11	24	5	0	0	0	13·3	20	7·0	10	18	0	0	0
	Luxor ... ... (A)	32.7	24	22.5	11	21	6	0	0	0	13.4	20	3.0	4	22	2	1	0
	Kom Ombo	36.6	24	23.4	12	25	10	0	0	0	16.0	20	5.2	4	17	0	0	0
	Aswan ... ... (A)	35.2	24	22·2	12	23	6	0	0	0	16.8	20	8.5	17	10	0	0	0
Western Desert	Siwa	33.0	6	16.8	26	6	2	0	0	0	14.6	6	—1.3	2	22	8	1	0
	Bahariya	30.4	5	18.3	11	7	1	0	0	0	12.1	7	2.7	3·18	22	7	0	0
	Farafra	32.2	5	19.6	1	9	1	0	0	0	10.8	11	2.3	4	26	14	0	0
	Dakhla	31.4	18	21.0	25	13	5	1	0	0	11.5	4	—0.6	17	26	17	2	0
	Kharga	33.7	24	21.4	25	20	6	1	0	0	13.0	1	4.0	3·18	24	3	0	0
Red Sea	Suez	28.3	19	19.3	11	8	0	0	0	0	13.4	11	7.1	22	15	0	0	0
	Abu Redes	30.1	19	19.5	25	8	1	0	0	0	16.2	1	9.9	3	1	0	0	0
	Tor	29.4	15	19.6	25	8	0	0	0	0	14.9	7·8	7.9	3	9	0	0	0
	Hurghada	27.7	19	21.4	12·26	6	0	0	0	0	16.1	20	8.1	15	0	0	0	0
	Quseir	29.1	19	23.0	12·13	14	0	0	0	0	20.6	19	15.1	3	0	0	0	0
	Abul Kizan	28.0	8	24.0	12	20	0	0	0	0	23.3	6	20·3	12	0	0	0	0

TABLE A 8.—RAINFALL AND SNOW DEPTH.

FEBRUARY 1963

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	8.3	— 4.8	1.0	5-10	0	3	2	2	0	0	0	0.0	—
	Sidi Barrani	6.6	—18.5	3.6	10	0	7	2	0	0	0	0	0.0	—
	Mersa Matruh (A)	9.6	-12.4	7.4	10	1	5	2	1	0	0	0	0.0	—
	Ras El Hikma	2.0	—	0.7	10-11	1	4	0	0	0	0	0	0.0	—
	Dabaa	6.3	-15.5	3.5	10	0	4	2	0	0	0	0	0.0	—
	Dekheila (A)	15.8	-25.2	10.0	10	0	6	2	1	1	0	0	0.0	—
	Ras El Teen	9.3	—	6.2	10	0	5	2	1	0	0	0	0.0	—
	Alexandria (A)	16.4	— 9.6	10.2	4	2	6	2	1	1	0	0	0.0	—
	Balteam	16.7	—	7.7	10	0	6	4	1	0	0	0	0.0	—
	Demietta	26.0	+ 8.2	13.3	10	0	7	4	2	1	0	0	0.0	—
	Port Said (A)	11.1	— 0.8	8.8	10	3	2	2	1	0	0	0	0.0	—
	El Arish	12.6	— 5.2	6.8	10	0	4	2	1	0	0	0	0.0	—
	Ghazza	77.4	— 9.6	30.1	11	0	7	7	5	3	1	0	0·0	—
	Fuka	1.5	—16.5	1.5	10	0	1	1	0	0	0	0	0.0	—
	Hammam	1.0	—27.0	1.0	10	0	1	1	0	0	0	0	0.0	—
	Borg El Arab	18.5	—22.5	10.5	10	0	2	2	2	2	0	0	0.0	—
	Mex	14.8	—28.2	13.7	10	4	2	2	1	1	0	0	0.0	—
	Tolombat El Tabia	15.0	—	6.0	13	0	4	4	2	2	0	0	0.0	—
	Kom El Tarfaia	14.0	—35.0	9.0	10	0	2	2	2	2	0	0	0.0	—
	Rosetta L.H.	19.5	—26.5	14.0	10	1	3	3	1	1	0	0	0.0	—
	Borollos L.H.	13.3	—36.7	10.5	10	0	2	2	1	1	0	0	0.0	—
	Damietta L.H.	15.2	—15.[illegible]	8.4	11	0	3	3	1	0	0	0	0.0	—
LOWER EGYPT	El Sirw	25.0	+15.2	15.0	10	0	4	4	2	1	0	0	0.0	—
	Sakha	20.2	+ 4.0	16.5	1	0	2	2	1	0	0	0	0.0	—
	Mansoura	18.2	+ 9.9	13.0	10	0	5	4	1	1	0	0	0.0	—
	Damanhour	30.0	+13.8	24.7	10	2	3	3	1	1	0	0	0.0	—
	Tanta	19.6	+12.0	16.3	18	0	2	2	1	1	0	0	0.0	—
	Tahrir	14.8	—	14.0	10	4	2	1	1	1	0	0	0.0	—
	Shebin El Kom	16.5	+ 1.0	16.0	10	0	2	2	0	0	0	0	0.0	—
	Zagazig	7.9	+ 2.1	4.3	10	0	2	2	0	0	0	0	0.0	—
	Abu Sueir (A)	9.5	+ 6.8	5.3	12	3	2	2	1	0	0	0	0.0	—
	Banha	7.5	—	7.2	10	1	2	1	1	0	0	0	0.0	—
	Zaher (A)	3.1	—	2.9	10	0	2	1	0	0	0	0	0.0	—
	Wadi El Natrun	8.9	+ 5.2	8.9	10	2	1	1	1	0	0	0	0.0	—
	Inshas (A)	2.6	—	1.4	10	0	2	2	0	0	0	0	0.0	—
	Fayed (A)	15.2	—	12.6	11	1	4	3	1	1	0	0	0.0	—
	Kabrit (A)	4.7	—	2.8	11	0	2	2	0	0	0	0	0.0	—
	Delta Barrage	3.5	+ 2.5	3.5	10	0	1	1	0	0	0	0	0.0	—
	Tolombat El Bosili	16.0	—27.0	9.5	10	2	2	2	1	0	0	0	0.0	—
	Kafr El Dawar	14.0	—30.0	8.0	16	0	2	2	2	0	0	0	0.0	—
	Kafr El Sheikh	19.5	+ 2.5	16.0	10	0	3	3	1	1	0	0	0.0	—
	Kafr El Zayat	5.5	— 6.5	3.0	12	1	2	2	0	0	0	0	0.0	—
	Faqus	18.6	+ 6.6	9.7	9	0	3	3	2	0	0	0	0.0	—
CAIRO AREA	Cairo (A)	7.9	+ 4.3	4.7	10	0	3	3	0	0	0	0	0.0	—
	Mostafa Helmi (A)	7.3	—	6.8	10	1	3	1	1	0	0	0	0.0	—
	Almaza (A)	12.3	+ 7.7	6.0	10	1	3	2	1	0	0	0	0.0	—
	Abbasiya (H.Q.)	7.1	—	4.2	10	2	3	2	0	0	0	0	0.0	—
	Imbaba (A)	5.6	—	3.8	10	1	3	3	0	0	0	0	0.0	—
	Giza	4.9	+ 1.5	3.1	10	2	1	1	0	0	0	0	0.0	—
	Helwan	7.2	+ 3.6	5.0	10	0	3	2	1	0	0	0	0.0	—

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

FEBRUARY 1963

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	6.0	+5.0	6.0	10	3	1	1	1	0	0	0	0·0	—
	Beni Suef	4.2	+1.5	4.2	10	0	1	1	0	0	0	0	0.0	—
	Seds	0.0	—4.2	0.0	—	0	0	0	0	0	0	0	0.0	—
	Minya ... ... (A)	1.4	—0.3	1.4	10	0	1	1	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	—
DESERT	Siwa	8.3	+6.0	7.5	10	0	3	1	1	0	0	0	0.0	—
	Bahariya	4.4	+2.9	4.4	10	1	1	1	0	0	0	0	0.0	—
	Farafra	0.0	—0.6	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dakhla	0.0	—0.4	0.0	—	0	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...	7.0	+3.4	3.0	11	0	3	3	0	0	0	0	0.0	—
	Abu Redes	3.3	—	3.3	10	0	1	1	0	0	0	0	0.0	—
	Tor	0.1	+1.9	0.1	11	1	1	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	—0.6	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 1963

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	—	—	—	2.1	—	2.6	—	3.4	—	2.0	—	9.2	—	—	9.1
	Sidi Barrani	—	—	—	—	—	3.4	—	3.3	—	2.7	—	9.7	—	—	—
	Mersa Matruh (A)	213.3	309.9	68.8	1.8	—	3.7	—	3.5	—	3.3	—	6.8	—	—	—
	Ras El Hikma	—	—	—	—	—	3.1	—	3.2	—	3.2	—	7.2	—	—	10.1
	Dabaa	—	—	—	—	—	3.6	—	3.1	—	2.5	—	7.8	—	—	—
	Dekheila (A)	—	—	—	2.6	—	4.3	—	3.5	—	2.3	—	5.1	—	—	—
	Ras El Teen	—	—	—	2.9	—	4.8	—	4.2	—	3.8	—	4.4	—	—	—
	Alexandria (A)	218.2	310.5	70.3	3.4	—	4.7	—	4.2	—	3.5	—	3.5	—	—	—
	Belteam	—	—	—	—	—	4.0	—	4.1	—	1.9	—	3.5	—	—	—
	Damietta	—	—	—	—	—	2.3	—	3.6	—	1.2	—	2.5	—	—	—
	Port Said (A)	207.4	310.5	66.8	1.6	—	3.1	—	3.8	—	2.5	—	4.9	40	22	11.1
	El Arish	—	—	—	2.8	—	4.4	—	3.4	—	3.2	—	3.8	—	—	8.1
	Ghazza	210.7	309.9	66.8	3.1	—	4.4	—	4.3	—	3.2	—	5.0	—	—	10.1
LOWER EGYPT	El Sirw	—	—	—	—	—	2.7	—	4.0	—	1.2	—	3.0	—	—	—
	Sakha	—	—	—	—	—	1.9	—	2.3	—	1.1	—	3.3	—	—	—
	Mansoura	—	—	—	—	—	3.3	—	3.9	—	—	—	3.4	—	—	—
	Damanhour	—	—	—	—	—	3.7	—	3.3	—	2.1	—	2.3	—	—	—
	Tanta	225.9	310.9	73.9	—	—	2.6	—	3.1	—	1.3	—	3.4	55	33	—
	Tahrir	226.9	311.0	73.0	—	—	3.4	—	3.4	—	1.5	—	6.4	—	—	7.1
	Shebin El Kom	—	—	—	—	—	2.0	—	3.0	—	1.2	—	3.2	—	—	—
	Zagazig	185.0	311.1	59.5	—	—	3.6	—	3.9	—	1.9	—	3.0	—	—	—
	Abu Sueir (A)	—	—	—	2.7	—	3.4	—	3.4	—	2.8	—	5.9	62	26	8.1
	Banha	—	—	—	—	—	3.4	—	3.3	—	1.2	—	4.8	—	—	—
	Zaher (A)	—	—	—	—	—	3.1	—	3.0	—	1.8	—	6.5	—	—	—
	Wadi El Natrun	—	—	—	—	—	2.7	—	2.7	—	1.8	—	6.6	—	—	—
	Inshas (A)	—	—	—	1.1	—	1.9	—	2.8	—	1.6	—	2.6	—	—	—
	Fayed (A)	—	—	—	—	—	2.8	—	2.8	—	2.1	—	7.3	—	—	—
	Kabrit (A)	—	—	—	—	—	2.8	—	2.6	—	2.1	—	7.7	—	—	—
CAIRO AREA	Cairo (A)	—	—	—	2.0	—	3.0	—	3.4	—	1.8	—	10.8	—	—	—
	Mostafa Helmi (A)	—	—	—	2.0	—	3.1	—	3.6	—	1.9	—	9.7	—	—	—
	Almaza (A)	227.3	311.7	72.9	1.7	—	2.9	—	3.1	—	1.6	—	8.2	—	—	—
	Abbasiya (H.Q.)	228.4	311.7	73.3	2.3	—	3.4	—	2.9	—	2.2	—	6.0	60	34	—
	Imbaba (A)	—	—	—	—	—	3.0	—	3.2	—	0.3	—	5.6	—	—	—
	Giza	220.8	311.7	70.8	—	—	2.9	—	2.9	—	1.5	—	5.7	—	—	2.7
	Helwan	—	—	—	2.0	—	2.5	—	3.0	—	1.5	—	13.2	—	—	—
UPPER EGYPT	Fayoum	—	—	—	—	—	2.5	—	2.1	—	1.1	—	6.0	—	—	6.1
	Beni Suef	—	—	—	—	—	1.5	—	2.2	—	1.1	—	3.9	—	—	5.8
	Seds	—	—	—	—	—	0.5	—	1.0	—	0.5	—	3.4	—	—	5.5
	Minya (A)	—	—	—	1.5	—	2.0	—	2.1	—	1.6	—	4.8	44	26	3.3
	Mallawi	—	—	—	—	—	1.1	—	1.4	—	1.1	—	2.1	—	—	3.6
	Asyout (Mangabad) (A)	—	—	—	0.7	—	0.9	—	1.2	—	1.1	—	8.6	72	38	—
	Shandaweel	249.7	310.5	80.4	—	—	0.8	—	0.9	—	1.2	—	4.0	—	—	—
	Nag Hammadi	—	—	—	—	—	1.1	—	2.0	—	1.4	—	4.1	—	—	—
	Kena	—	—	—	—	—	0.5	—	1.5	—	0.2	—	4.7	—	—	—
	Luxor (A)	—	—	—	0.6	—	1.0	—	1.2	—	0.8	—	4.8	59	39	—
	Kom Ombo	—	—	—	—	—	0.5	—	0.5	—	0.2	—	8.8	—	—	6.4
	Aswan (A)	—	—	—	0.5	—	0.5	—	0.7	—	0.9	—	15.7	—	—	—
WESTERN DESERT	Siwa	—	—	—	1.4	—	2.1	—	2.5	—	1.6	—	9.4	63	36	5.2
	Bahariya	—	—	—	1.3	—	2.5	—	2.5	—	2.0	—	6.2	44	26	6.3
	Farafra	—	—	—	—	—	1.7	—	2.3	—	1.7	—	8.6	46	28	5.0
	Dakhla	—	—	—	0.7	—	0.9	—	1.1	—	0.8	—	8.2	51	32	2.0
	Kharga	—	—	—	0.6	—	0.8	—	1.2	—	0.6	—	8.0	—	—	5.8
RED SEA	Suez	—	—	—	—	—	3.1	—	2.9	—	2.3	—	5.1	—	—	—
	Abu Redes	240.6	312.2	77.1	1.9	—	1.9	—	2.3	—	1.2	—	8.6	—	—	—
	Tor	—	—	—	1.7	—	2.3	—	2.2	—	1.3	—	6.3	—	—	—
	Hurghada	—	—	—	1.7	—	1.8	—	1.4	—	1.6	—	14.0	—	—	—
	Quseir	—	—	—	0.9	—	1.4	—	1.3	—	1.0	—	11.0	—	—	—
	Abul Kizan	—	—	—	—	—	1.4	—	1.1	—	1.1	—	8.0	—	—	—

TABLE A 7. —SOIL TEMPERATURES (°C) AT FIXED HOURS
FEBRUARY 1963

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	Sidi Barrani ...	5	—	—	—	—	—	12·0	15·8	15	7·8	1	19·0	21.1	5	15·0	10	16.3	20.0	18	12.5	1
		10	—	—	—	—	—	13·7	16·8	15	9·8	2	16·2	18 1	5	13.1	1·2	17.0	19.4	18	14.1	2
		20	—	—	—	—	—	15·1	16.8	19	11.9	2	15·1	17.0	15·19	12.0	1·2	16.3	17.8	21	13·5	1
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mersa Matruh (A)	5	13·8	17·6	7	9·7	1	12·8	17·1	23	8·8	2	19·0	23.0	19·20	16.0	10	17.0	19.0	18	14.2	1
		10	14·9	17·6	6	10·8	1	14·1	17.5	22.23	10·2	1·2	17.1	20.0	19	14.2	1	17.3	19·2	18	14.5	1
		20	15.4	18·2	23	13·3	1	15.7	18.1	23	13.3	1·2	15.9	18.0	19	13.0	1·2	16.8	18.3	20	14.1	1
		50	16·8	18.4	23	14.9	1	16·8	17·9	22·23	15.0	3	16.8	17.9	24	15·0	1·2	16.7	17.8	22	15.0	2
		100	16 1	17·3	24	14·8	2·3	15.8	16·9	19	14.8	2	15.8	16.5	13	14·8	4·5	15.7	16.8	28	15.0	4·5
		200	20·7	21.2	23	19·7	17	20·5	21·1	16	20·0	26·28	20.5	21.4	6	20.0	21·28	20.5	21.1	7	19·8	28
	Ras El Hikma	5	—	—	—	—	—	12·4	15·3	6	8·5	1	19.8	23.2	20	15 3	10	15.6	18.3	21	12.3	1
		10	—	—	—	—	—	13·1	15·8	15	9·5	2	16.8	18.3	19,20,21	13.1	1	16.1	18.1	14	13.0	1
		20	—	—	—	—	—	13·6	15·9	15	10.4	1·2	15.9	17.3	19	12.8	1	16.0	17.8	21	13.2	1
		50	—	—	—	—	—	15.2	16.2	22·23	13.2	1·2	15.2	16.2	22	13.1	1	15.1	16.2	22	13.1	1·2
		100	—	—	—	—	—	16·1	16·7	24.25.26	15·5	4·5	16.2	16.7	25,26,27	15.5	[illegible]	16.2	16·7	*	15.5	4·5
		200	—	—	—	—	—	18·8	19·4	1·2	18·5	26,27,28	18.9	19.4	1·2	18.5	26·27	18.8	19.4	1	18.5	*
	Dabaa	5	—	—	—	—	—	10.3	14.4	19	6·0	1	18.8	21.2	14	13.8	10	15.2	17·6	21	12·6	1
		10	—	—	—	—	—	11·6	15 1	7	8·0	1	16.3	18.2	17	13.6	2	15.6	17.8	22	13.0	1
		20	—	—	—	—	—	14.1	15·8	7	11·4	1	14.3	15.8	19	11.6	2	15.1	16.4	21	12.4	1
		50	—	—	—	—	—	15·4	16·4	21.23.24	13·1	2	15·3	16.3	21	13.0	2	15.3	16.4	22	13.2	1·2
		100	—	—	—	—	—	16.5	17·0	*	15·7	2	16.5	17.0	23.25.26	15.7	2	16.5	17.0	25	15.8	1
		200	—	—	—	—	—	19·5	19·9	1	19·0	*	19.3	19.9	1	19.0	*	19.3	19.8	1·2	19.0	*
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	16.7	18·2	23·25	14·9	21.3	16.6	18·1	25	14·7	2	16.4	17.8	25	14.4	2	16·6	18.0	25	15.0	21.3
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	El Arish... ...	5	14·4	16 2	7	12·4	12	12·6	15.6	20	10·4	26	19.1	21.8	19	15.9	11	17.4	19.6	19	16.2	1
		10	15·6	17·9	7·8	13·6	12	13.8	16.6	20	12.2	28	17.9	19.9	18	15.7	2	17.9	19.8	18	15.2	11
		20	17·1	18·7	20	15·0	18	16.3	19.6	28	14.8	12	16.8	18.6	20	15.4	2	18.0	19.4	20	16.6	11
		50	18·6	19·8	21	17·4	1	18.8	19.8	21	17·6	1	18.6	19.6	21	17.5	1	8.6	19.8	26	17.5	1
		100	19·5	20·0	24.25.26	19·2	5	19·6	20·5	26	19·3	2·4	19.6	20.1	26	19.2	1·7	19.6	20.0	24	19.2	4
		200	21·1	21·7	1	20·8	20.23	21·1	21·6	1	20·8	18	21.1	21.8	26	20.7	28	21.1	21.6	1	20·8	*

*More than three days.

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS
FEBRUARY 1963

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
MED. (*contd.*)	Ghazza	5	14.7	18.0	20	11·5	26	13.6	17.0	20	11.2	28	20.5	24·4	7	16.0	11	17·1	20.4	7	12·6	28
		10	15.6	18.4	20	13.0	26·28	14.4	17.1	20	12.0	28	18.9	22.0	7·20	15.0	26	14.1	20.2	19	14·0	11
		20	16.3	18.7	20	14.0	26	15.2	17·6	20	12"5	28	17·2	19·6	20	15.0	27	17·8	20.5	7	14·5	12
		50	17·8	20.0	9	15.0	3	17.5	20.0	9	14·0	12	18.2	19·7	22	16.6	19	18.2	20.0	8	16.0	6
		100	20.9	22.0	*	18.8	19	20.7	22.2	25	16·6	12	21.1	22.8	14	19.4	19	21.0	22.0	*	19.6	1
		200	22.2	23.0	*	21.0	17	22.1	23.0	*	21.0	13	22·4	24.0	11	21.2	25	22.1	23.0	*	20.4	17
LOWER EGYPT	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	14.1	18.0	*	17.5	*	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	17·7	18.5	*	17.5	*	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	11·5	13.5	24	9·0	1·2	16·2	18.7	24	14.0	1·2	15·4	17.2	24	13·7	2
		10	—	—	—	—	—	15.1	17.0	24	13.0	1	17.2	19.3	24	15.2	1·2	17.5	19.5	24	15·0	18
		20	—	—	—	—	—	14.2	15.7	24	12.4	1	14.3	15.8	24	12.6	1	15.0	16.5	24	13·4	1·2
		50	—	—	—	—	—	18.1	19.3	25	17.2	1·2·3	18.0	19.1	25	17.1	1·2·3	18.1	19.1	24·25	16.8	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tahrir	5	—	—	—	—	—	11·8	14.2	19	7.3	2	24·7	26.9	28	18.0	10	17·2	19·7	21	13·8	11
		10	—	—	—	—	—	12.8	14.8	19	9·9	1.2	21.0	23·7	20	18.2	2	18·5	20.5	21	16.7	2
		20	—	—	—	—	—	15.0	16·7	7	12·6	13	17·4	19·4	20·21	14.5	1·2	19·0	20·9	21	16·4	2·11
		50	—	—	—	—	—	17.5	18.7	22·25	16·0	1·3	17·1	18·4	22	15.6	1	17·4	18·6	22·24	15·7	2
		100	—	—	—	—	—	18.6	19.2	25.26.27	17·9	3	—	—	—	—	—	18·6	19·3	26	17·9	3
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	5	13.8	17.0	20·22	11.5	3	12·4	16·0	22	8.9	2	25.3	29.2	18	22.3	2	18.2	21·1	21	16.0	2
		10	15.9	18.0	20·22	14.0	2	14.3	17·0	22	11·8	13	20·8	23.5	24	14.8	11	19,2	21·3	24	16.0	11
		20	17.2	19.0	22·25	14.5	12	16.2	18.7	24	13·8	13	17.8	20.8	6	15.1	5	18.9	21.3	19	16.5	12
		50	18.0	19.5	25	16.3	2	17.9	19.4	25	16.4	2·3	17·6	19.0	22	16.1	1	17·9	19·3	22·24	16·4	1
		100	18.4	19.3	*	17.2	2	18.4	19.4	25·28	17·5	1·3	18.5	19.3	*	17.6	1·2	18.5	19.8	9	17.5	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	17·3	18.2	9·15	16.5	1·28	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	18.8	19.5	14·15	18·0	3·4	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	21.2	23.0	15	19.5	21	—	—	—	—	—	—	—	—	—	—

TABLE A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS
FEBRUARY 1963

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
CAIRO AREA	Giza	5	—	—	—	—	—	12.7	15.4	24	10·2	2	23.7	27.5	24	19·0	10	18.9	21.3	24	16.0	11
		10	—	—	—	—	—	15.6	17.3	22	13·9	2	19.2	21.6	24	16.9	11	20.0	22·2	24	18.2	1
		20	—	—	—	—	—	18.3	19.6	25	16·9	1	18.2	19.5	24	16.8	1·2	19.1	20.6	24	17·6	1
		50	—	—	—	—	—	19.5	20.4	25·26	18·4	1	19.4	20.4	24	18.4	1	19.4	20.3	25	18.4	1
		100	—	—	—	—	—	—	—	—	—	—	20.7	21.1	27·28	20.5	15	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	23.2	23.7	*	22.8	*	—	—	—	—	—
UPPER EGYPT	Fayoum ...	5	—	—	—	—	—	13.5	15.5	27	11.5	3	20.5	22.5	21·24	17.0	10	17.2	19.5	19	15.0	2
		10	—	—	—	—	—	14.5	16.0	22·27	12·7	3	18.4	20.0	19,24,27	16.5	10·11	17.9	19.2	19	16.0	1·2
		20	—	—	—	—	—	17.1	18.0	*	15.5	2·3	17.2	18.5	22,24,27	16.0	1·2·3	17.8	19.5	18	16.0	2
		50	—	—	—	—	—	18.0	19.2	25·26	16.3	1	18.0	19.1	25·26	16.4	1	17.9	19.0	22 24,25	16.3	7
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Seds	5	—	—	—	—	—	12.3	14.5	11	10.0	2·3	18.0	22.0	1	16.0	3	14.5	16.6	*	12.2	1
		10	—	—	—	—	—	12 4	14.5	12	10.0	2·3	18.5	21.5	27	16.5	10·11	14.2	16.2	7	12.5	2·28
		20	—	—	—	—	—	13.6	15.0	11	12.2	3	16·3	18.5	27	14.0	3	14.1	15.0	*	12.0	28
		50	—	—	—	—	—	16.3	17.8	22	15.2	1·2	16.2	17.0	*	15·2	1·2	16.4	18.0	21	15.4	1
		100	—	—	—	—	—	17.7	18.0	*	17.5	*	17.7	18.0	*	17.5	*	17.7	18.2	2	17.5	*
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya ... (A)	5	15.0	16.5	11,24,25	11.0	9	12.1	14.2	20	10·0	2	20.0	22.0	19·20	17.0	11	18.7	20.5	10	16.0	3·11
		10	17.8	20.5	20	15.3	15	16.2	18.2	20	14.5	2·3	19.3	21.2	20	17.0	3	20.2	22.0	19·21	18.0	1·3
		20	18.4	20.0	20·25	16.9	1	17.6	19.0	20·22	16.0	2	18.1	20.3	20	16.0	3	18.6	20.5	24	17.0	2·3
		50	19.1	20.0	22,25,28	17.0	1	19.0	20.2	22·25	17.0	1	19.0	20.0	22·26	17.2	3	19.1	20.2	*	17.6	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mallawi.. ..	5	—	—	—	—	—	9.8	12.5	11	7.0	3	12.9	15.2	11	9.8	4	12.7	15.0	*	9.5	4
		10	—	—	—	—	—	11.1	13.0	11·20	9.0	3	12.4	14.5	11	9.8	3	12.4	14.0	19·28	10.0	4·5
		20	—	—	—	—	—	12.7	14.0	20·28	10.5	2	12.9	14.4	10	11.5	1·4	12·9	14.4	10	11.5	1·2
		50	—	—	—	—	—	14.4	15.0	27·28	13.8	*	14.5	15.0	*	13.8	*	14.5	15.0	*	13.8	*
		100	—	—	—	—	—	16.1	16.4	18	16·0	*	16.2	16.5	25	16.0	*	16.2	16.5	25	16.0	*
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel ..	5	—	—	—	—	—	14.4	16.5	21.22	10.5	4	27.1	33.0	4·15	20.5	23	21.1	24.5	19	19.0	3
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	19.1	22.0	28	17.0	4·5	20.2	22.0	*	18.5	*	20.4	22.0	*	18.5	2·3
		100	—	—	—	—	—	20.5	21.5	25,26,27	19.5	13	20.6	21.8	25	20.0	*	20.6	21.8	25	20.0	*
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

FEBRUARY 1963

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.*)	Nag Hammadi	5	—	—	—	—	—	13.8	15.4	24	10.4	1	19.4	22.6	24	15.1	3	18.2	2.4	22	14.6	2.3
		10	—	—	—	—	—	14.2	16.1	21	11.0	2	17.8	21.4	28	14.6	3	17.1	19.8	25.28	12.4	2
		20	—	—	—	—	—	15.3	17.0	20.21.22	13.1	1	16.6	17.6	20	14.2	1	16.1	17.2	20.22.24	13.2	1
		50	—	—	—	—	—	17.3	17.9	12	16.4	1	17.4	17.8	*	16.5	1	17.4	17.9	12	16.4	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo ..	5	—	—	—	—	—	14.5	17.5	20.23	11.0	4	25.9	29.3	22	21.5	1	19.2	22.0	24,27.28	16.0	3
		10	—	—	—	—	—	16.3	18.8	20.25	14.0	4.6	20.4	22.8	1	18.0	5	19.5	21.8	24	17.0	1.3.4
		20	—	—	—	—	—	18.1	19.8	28	16.5	4.5	18.4	20.2	28	16.8	5	19.0	20.8	28	17.5	*
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
WESTERN DESERT	Siwa	5	14.7	17.6	7	10.8	2	12.7	16.0	10	8.4	2	17.4	20.0	19	13.6	2	17.6	21.0	6	14.4	2
		10	15.3	18.0	7.22	11.2	2	13.7	16.2	19	9.4	2	16.8	19.7	19	12.8	2	17.6	20.4	6	14.4	2
		20	16.1	18.4	22	11.8	2	15.0	17.0	15	11.4	2	16.0	18.2	19	12.3	2	17.5	19.2	6	14.6	2
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bahariya ..	5	14.4	17.0	22	12.5	3	11.8	16.4	7	9.1	3	18.1	20.0	19	15.2	11	18.7	21.3	18	14.9	11
		10	16.2	17.9	22	14.1	12	13.9	17.0	7	11.6	3	16.7	18.4	19	14.5	3	18.8	20.8	5	16.9	12
		20	18.2	—	—	—	—	17.0	—	—	—	—	17.0	—	—	—	—	18.6	—	—	—	—
		50	19.4	20.3	*	17.7	1	19.4	20.4	21.22.23	17.9	1	19.3	22.3	22.23	17.9	1	19.3	20.3	22	17.9	1.3
		100	20.4	20.9	25	19.7	1.2	20.4	20.9	25	19.8	*	20.4	20.9	*	19.7	2	20.4	20.9	23.28	19.7	4
		200	23.0	23.3	1	22.9	*	23.0	23.3	1	22.9	*	23.0	23.3	1	22.9	*	23.0	23.3	1	22.9	*
	Farafra.. ..	5	17.6	20.4	22	14.0	1	15.5	18.7	22	12.1	1	19.5	22.9	27	16.6	2	20.0	22.7	27	17.0	2
		10	17.9	20.8	22	14.9	1	16.6	19.2	22	13.7	1	17.5	20.3	22	15.0	3	19.0	21.6	20	16.4	4
		20	18.1	20.6	22	15.8	1	17.6	19.6	22	15.1	1	17.4	19.5	22	15.6	3	18.2	20.4	22	16.2	2.3
		50	17.7	18.7	23.25	16.5	1	17.8	18.7	23.24.25	16.5	1	17.8	18.7	23.24	16.6	1	17.8	18.7	24	16.6	1
		100	18.8	19.4	25.27	18.4	3	18.9	19.4	26.28	18.4	*	18.9	19.4	*	18.4	*	18.9	19.4	24.26.28	18.4	5
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

FEBRUARY 1963

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	0	0	4	1	0	0	0	0	1	11	3
	Sidi Barrani	5	0	0	0	0	0	0	0	0	0	5	2	0	0	0	0	0	—	—
	Mersa Matruh (A)	6	0	0	0	0	0	0	0	0	0	16	6	0	0	0	0	3	11	2
	Ras El Hikma	4	0	0	0	0	0	1	0	1	0	9	1	0	0	0	0	0	—	—
	Dabaa	4	0	0	0	0	0	0	0	0	0	7	1	0	0	0	0	1	—	—
	Dekheila (A)	7	0	0	0	0	1	2	1	1	0	1	0	0	0	0	0	0	1	0
	Ras El Teen	4	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	7	3
	Alexandria (A)	5	0	0	0	0	1	3	4	0	0	2	0	0	0	0	0	0	7	4
	Balteam	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Damietta	7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	—	—
	Port Said (A)	2	0	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	13	0
	El Arish	5	0	0	0	0	0	4	0	0	0	3	0	0	0	0	0	0	10	3
	Ghazza	7	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	9	4
LOWER EGYPT	El Sirw	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	5	0	0	0	0	1	3	3	0	0	2	0	0	0	0	0	0	—	—
	Damanhour	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	2	0	0	0	0	0	5	3	0	0	2	0	0	0	0	0	0	—	—
	Shebin El Kom	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	—	—
	Zagazig	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	2	0	0	1	0	1	8	2	2	0	5	1	0	0	0	0	0	3	0
	Banha (A)	2	0	0	0	0	0	2	2	0	0	1	0	0	0	0	0	0	—	—
	Zaher (A)	2	0	0	0	0	0	1	1	6	0	4	0	0	0	0	0	0	—	—
	Wadi El Natrun	1	0	0	0	0	0	0	2	0	0	3	0	0	0	0	0	0	—	—
	Inshas (A)	2	0	0	0	0	0	0	1	2	0	5	1	0	0	0	0	0	19	0
	Fayed (A)	4	0	0	0	0	1	1	1	1	0	4	1	0	0	0	0	1	—	—
	Kabrit (A)	2	0	0	0	0	0	0	1	2	0	2	0	0	0	0	0	0	—	—
CAIRO AREA	Cairo (A)	3	0	0	0	0	0	4	1	12	0	4		0	0	0	0	0	11	1
	Mostafa Helmi (A)	3	0	0	0	0	0	3	2	4	0	9	0	0	0	0	0	0	13	3
	Almaza (A)	3	0	0	0	0	0	1	1	7	0	4	0	0	0	0	0	0	12	2
	Abbasiya (H.Q)	3	0	0	0	0	0	1	1	11	0	2	0	0	0	0	0	0	14	3
	Imbaba (A)	3	0	0	0	0	0	2	2	11	0	1	0	0	0	0	0	0	—	—
	Giza	3	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	0	—	—
	Helwan	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0

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

FEBRUARY 1963

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	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	—	—
	Beni Suef	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	—	—
	Seda	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	17	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad) (A)	0	0	0	0	0	0	0	0	1	0	6	0	0	0	0	0	0	22	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor (A)	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	27	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	3	0	2	0	0	0	0	0	0	26	0
Western Desert	Siwa	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	16	0
	Bahariya	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	1
	Farafra	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	23	0
	Kharga	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	23	0
Red Sea	Suez	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	—	—
	Tor	1	0	0	0	0	0	0	0	4	0	5	0	0	0	0	0	0	15	0
	Hurghada	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	31	0
	Quseir	0	0	0	0	0	0	0	0	5	0	6	0	0	0	0	0	0	31	0
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	11	—	—	—	—	—	—	—	—

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

FEBRUARY 1963

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
Sidi Barrani	4	0	0	1-10	29	7	5	7	9	22	82	88	48	26	28	26	377
				11-27	4	2	2	0	0	3	78	31	33	36	73	24	286
				28-47	0	0	0	0	0	0	1	1	0	0	3	0	5
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	33	9	7	7	9	25	161	120	81	62	104	50	668
Mersa Matruh (A)	19	2	0	1-10	17	5	7	0	9	21	25	27	26	11	8	7	163
				11-27	12	3	17	1	20	49	30	86	101	62	42	27	450
				28-47	0	0	0	0	0	0	11	3	1	4	19	0	38
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	29	8	24	1	29	70	66	116	128	77	69	34	651
Dekheila ... (A)	4	3	1	1-10	32	21	39	60	64	44	60	56	41	55	16	17	505
				11-27	0	0	0	2	4	2	14	14	61	52	19	0	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	32	21	39	62	68	46	74	70	102	107	26	17	664
Ras El Teen	9	0	185	1-10	7	9	18	9	29	36	33	12	22	18	29	29	251
				11-27	3	1	0	0	7	19	11	26	24	29	58	45	223
				28-47	0	0	0	0	0	0	0	0	2	0	1	1	4
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	10	18	9	36	55	44	38	48	47	88	75	478
Alexandria ... (A)	26	0	0	1-10	13	22	52	29	55	62	43	47	31	27	55	16	452
				11-27	3	1	1	0	0	2	3	20	54	61	42	7	194
				28-47	0	0	0	0	0	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	23	53	29	55	64	46	67	85	88	97	23	646
Port Said ... (A)	1	1	5	1-10	47	44	32	17	15	28	26	41	36	24	18	42	370
				11-27	8	8	24	23	8	12	32	44	71	28	19	17	294
				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	55	52	56	40	23	40	58	86	107	52	37	59	665
El Arish	4	8	1	1-10	35	50	18	8	30	146	59	57	69	21	55	37	585
				11-27	3	2	1	0	0	0	5	1	37	13	8	4	74
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	38	52	19	8	30	146	64	58	106	34	63	41	659
Ghazza	0	54	0	1-10	18	15	15	33	47	127	49	22	23	32	47	26	454
				11-27	24	7	0	0	1	27	4	10	38	18	15	6	150
				28-47	0	0	0	0	0	0	0	0	13	1	0	0	14
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	42	22	15	33	48	154	53	32	74	51	62	32	618
Mansoura	6	0	73	1-10	31	33	48	29	33	34	42	54	48	50	27	41	470
				11-27	0	1	5	4	0	0	4	14	47	29	14	5	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	31	34	53	33	33	34	46	68	95	79	41	46	592
Tanta	85	6	0	1-10	19	33	30	44	70	20	67	54	80	68	41	24	55[illegible]
				11-27	0	0	0	0	0	0	0	1	15	9	4	2	3[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All Speeds	19	33	30	44	70	20	67	55	95	77	45	26	58

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

FEBRUARY 1963

District	Station	Number in hours of calm winds	Number in hours of variable winds	Number in hours of unreported 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 (*cont.*)	Tahrir	15	33	0	1-10	29	43	92	1	33	59	39	59	39	55	42	25	516
					11-27	2	0	0	0	0	0	8	11	18	38	20	11	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	**31**	**43**	**92**	**1**	**33**	**59**	**47**	**70**	**57**	**93**	**62**	**36**	**624**
	Abu Sueir (A)	27	4	0	1-10	32	56	48	32	48	36	25	51	71	28	38	26	491
					11-27	0	14	5	1	0	1	2	21	68	14	19	5	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	**32**	**70**	**53**	**33**	**48**	**37**	**27**	**72**	**139**	**42**	**57**	**31**	**641**
	Zaher (A)	25	7	0	1-10	38	33	37	23	36	44	31	62	54	59	36	41	494
					11-27	1	4	8	4	2	18	8	11	51	30	5	3	145
					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	**39**	**37**	**45**	**27**	**38**	**62**	**39**	**74**	**105**	**89**	**41**	**44**	**640**
CAIRO AREA	Cairo (A)	32	10	148	1-10	19	32	56	41	18	25	41	30	33	35	44	14	388
					11-27	0	1	0	2	0	2	15	11	18	14	5	0	68
					28-47	0	3	2	0	2	2	0	5	6	5	0	1	26
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**19**	**36**	**58**	**43**	**20**	**29**	**56**	**46**	**57**	**54**	**49**	**16**	**482**
	Mostafa Helmi (A)	0	0	7	1-10	20	61	81	28	29	19	54	40	35	31	47	41	486
					11-27	13	4	18	12	1	0	5	31	9	39	30	17	179
					28-47	0	0	0	0	0	0	0	0	0	1	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**33**	**65**	**99**	**40**	**30**	**19**	**59**	**71**	**44**	**70**	**77**	**58**	**666**
	Almaza (A)	0	3	0	1-10	31	51	90	38	43	37	45	62	39	43	43	23	547
					11-27	0	0	8	9	6	3	15	24	23	28	7	1	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	**31**	**51**	**98**	**47**	**49**	**40**	**60**	**86**	**62**	**71**	**50**	**24**	**671**
	Abbassiya (H.Q)	120	15	6	1-10	65	67	38	12	20	26	34	77	44	39	41	36	499
					11-27	0	0	0	0	0	0	9	6	11	4	1	1	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	**65**	**67**	**38**	**12**	**20**	**26**	**43**	**83**	**55**	**43**	**42**	**37**	**531**
	Giza	65	35	1	1-10	63	67	29	4	7	89	66	23	26	48	38	87	547
					11-27	0	0	0	0	0	0	5	2	3	7	3	1	21
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**63**	**67**	**29**	**4**	**7**	**89**	**71**	**25**	**29**	**55**	**41**	**88**	**568**
UPPER EGYPT	Fayoum	31	35	3	1-10	123	46	11	8	10	56	49	66	48	48	41	78	584
					11-27	0	0	1	0	0	0	0	1	3	0	0	0	5
					28-47	3	0	0	0	0	1	0	2	2	2	0	4	14
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**126**	**46**	**12**	**8**	**10**	**57**	**49**	**69**	**53**	**50**	**41**	**82**	**603**
	Minya (A)	31	50	2	1-10	41	120	67	2	4	59	39	15	8	16	39	115	525
					11-27	0	18	5	0	0	0	4	0	2	6	20	8	64
					28-27	0	1	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**41**	**139**	**72**	**2**	**4**	**59**	**43**	**15**	**10**	**22**	**59**	**123**	**589**

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

FEBRUARY 1963

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
						345 / 014	015 / 044	045 / 074	075 / 104	105 / 134	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	315 / 344	
Upper Egypt (*cont.*)	Asyout ... ... (A)	12	4	8	1-10	11	8	18	20	35	27	10	6	18	197	123	74	[illegible]
					11-27	3	0	0	0	2	7	5	4	2	13	35	80	[illegible]
					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	14	8	18	20	37	34	15	10	20	210	158	104	[illegible]
	Luxor ... ... (A)	66	8	0	1-10	80	67	39	30	24	8	44	72	37	34	44	102	[illegible]
					11-27	3	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	
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	
					All speeds	83	67	39	30	24	8	44	72	37	35	46	113	[illegible]
	Aswan ... ...(A)	0	0	1	1-10	239	254	6	3	1	1	4	5	5	6	17	76	[illegible]
					11-27	24	12	0	0	0	0	1	2	0	4	1	10	
					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	263	266	6	3	1	1	5	7	5	10	18	86	
Western Desert	Siwa	94	1	6	1-10	10	8	18	52	62	56	28	33	46	97	47	20	
					11-27	0	0	0	0	3	7	16	10	6	13	47	3	
					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	10	8	18	52	65	63	39	43	52	110	94	23	
	Dakhla	69	3	77	1-10	37	31	26	34	33	23	24	39	29	36	99	68	
					11-27	1	0	0	1	2	0	0	0	0	0	11	28	
					28-47	1	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	39	31	26	35	35	23	24	39	29	36	110	96	
Red Sea	Hurghada	10	9	6	1-10	33	18	6	8	27	5	5	4	7	86	118	41	
					11-27	23	4	0	0	0	2	1	0	0	34	105	125	
					28-47	0	0	0	0	0	0	0	0	0	0	1	0	
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	
					All speeds	56	22	6	8	27	7	6	4	7	120	224	166	

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

SALLUM — FEBRUARY 1963

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrence of wind blowing from the ranges of directions indicated											
					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	0	0	0	0	0	1	4	0	2	1	1	1
				11-27	0	0	0	0	0	0	0	0	4	6	1	1
				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	0	0	0	0	0	1	4	0	6	7	2	2
0300	4	0	0	1-10	0	0	0	0	0	0	1	2	5	5	1	0
				11-27	0	0	0	0	0	0	1	0	0	8	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	0	0	0	0	0	0	2	2	5	13	2	0
0600	4	0	0	1-10	0	0	0	1	0	0	1	1	0	1	1	0
				11-27	0	0	0	0	0	0	3	3	2	8	3	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	0	0	0	1	0	0	4	4	2	9	4	0
0900	2	0	0	1-10	0	0	1	0	1	1	1	2	3	2	1	0
				11-27	0	0	0	0	0	0	3	1	2	7	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	0	0	1	0	1	1	4	3	5	9	2	0
1200	2	0	0	1-10	1	0	1	0	0	1	1	1	0	2	0	0
				11-27	1	0	0	0	0	0	2	1	6	7	0	1
				28-47	0	0	0	0	0	0	0	1	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	1	0	0	1	3	3	6	9	0	1
1500	1	0	0	1-10	2	0	1	0	0	0	3	1	1	3	3	1
				11-27	1	0	1	0	1	0	1	2	2	3	0	0
				28-47	0	0	0	0	0	0	0	0	0	1	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	2	0	1	0	4	3	3	7	3	1
1800	3	0	0	1-10	2	1	0	0	0	2	1	1	2	2	3	2
				11-27	1	0	0	0	0	0	0	2	1	2	3	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	3	1	0	0	0	2	1	3	3	4	6	2
2100	3	0	0	1-10	2	0	0	2	1	1	0	0	2	1	3	1
				11-27	1	0	0	0	0	0	2	1	4	4	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	3	0	0	2	1	1	2	1	6	5	3	1

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 1963

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	0	0	0	0	0	1	2	1	1	1	0	0	
				11-27	0	0	0	0	2	1	1	4	4	4	2	0	
				28-47	0	0	0	0	0	0	1	0	0	0	0	0	
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	
				All speeds	0	0	0	0	2	2	4	5	5	5	2	0	
0300	0	0	0	1-10	0	0	0	0	0	0	1	1	2	2	0	0	
				11-27	0	0	0	0	0	3	3	4	8	2	1	1	
				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	0	0	0	0	0	3	4	5	10	4	1	1	
0600	0	0	0	1-10	0	0	0	0	1	1	1	1	1	0	1	0	
				11-27	0	0	0	0	0	2	3	5	7	2	2	1	
				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	0	0	0	0	1	3	4	6	8	2	3	1	
0900	0	0	0	1-10	0	1	0	0	0	0	2	1	0	1	1	0	
				11-27	1	0	0	0	1	2	0	3	3	5	2	2	
				28-47	0	0	0	0	0	0	1	0	0	1	1	0	
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	
				All speeds	1	1	0	0	1	2	3	4	3	7	4	2	
1200	0	0	0	1-10	1	0	0	0	1	1	1	1	0	1	0	1	
				11-27	1	0	0	0	1	1	1	2	2	4	3	4	
				28-47	0	0	0	0	0	0	1	0	0	0	1	0	
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	
				All speeds	2	0	0	0	2	2	3	3	2	5	4	5	
1500	0	0	0	1-10	2	1	0	0	0	0	0	0	0	0	0	2	
				11-27	1	0	1	5	0	1	2	1	2	1	5	3	
				28-47	0	0	0	0	0	0	0	0	1	0	0	0	
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	
				All speeds	3	1	1	5	0	1	2	1	3	1	5	5	
1800	1	0	0	1-10	2	0	1	0	2	2	1	0	2	2	0	0	
				11-27	0	1	0	1	2	1	1	3	1	1	3	0	
				28-47	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	
				All speeds	2	1	1	1	4	3	2	3	3	3	3	1	
2100	3	0	0	1-10	0	1	0	0	1	1	0	2	1	1	0	0	
				11-27	0	0	0	0	0	4	1	3	6	3	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	0	1	0	0	1	5	1	5	7	4	1	0	

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

DEKHEILA (A) – FEBRUARY 1963

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	2	0	0	1-10	1	0	2	3	4	2	5	1	0	2	1	0	21
				11-27	0	0	0	0	0	0	0	1	2	2	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	2	3	4	2	5	2	2	4	1	0	26
0300	0	0	0	1-10	0	0	2	3	2	4	2	2	4	2	1	0	22
				11-27	0	0	0	1	0	0	1	1	2	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	0	0	2	4	2	4	3	3	6	3	1	0	28
0600	4	0	0	1-10	0	0	0	2	3	2	3	5	0	2	1	1	19
				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	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	2	3	2	3	5	4	3	1	1	24
0900	0	0	0	1-10	1	1	0	1	4	2	0	4	4	2	1	0	20
				11-27	0	0	0	0	0	1	0	0	4	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	1	1	0	1	4	3	0	4	8	4	2	0	28
1200	0	0	0	1-10	1	0	1	3	3	1	0	0	5	3	0	1	18
				11-27	0	0	0	0	0	0	2	0	3	4	1	0	10
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	1	3	3	1	2	0	8	7	1	1	28
1500	0	0	0	1-10	2	2	0	3	1	0	0	0	1	6	3	2	20
				11-27	0	0	0	0	0	0	2	0	0	5	1	0	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	0	3	1	0	2	0	1	11	4	2	28
1800	1	0	0	1-10	3	5	2	3	1	0	3	1	1	2	0	1	22
				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	3	5	2	3	1	0	3	1	3	5	0	1	27
2100	1	0	0	1-10	1	2	4	2	5	1	2	1	1	2	1	0	22
				11-27	0	0	0	0	0	0	0	1	2	2	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	2	4	2	5	1	2	2	3	4	1	0	27

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

RAS EL TEEN — FEBRUARY 1963

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	0	2	1	5	0	1	3	0	0	1	1	14
				11-27	0	0	0	0	1	1	1	1	0	3	4	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	2	1	6	1	2	4	0	3	5	1	25
0300	2	0	0	1-10	0	0	1	3	1	3	1	0	2	2	2	1	16
				11-27	0	0	0	0	2	0	2	0	1	2	1	1	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	0	0	1	3	3	3	3	0	4	4	3	2	26
0600	3	0	0	1-10	1	0	1	0	1	3	2	1	1	0	0	1	11
				11-27	1	0	0	0	1	0	0	1	4	4	2	1	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	1	0	2	3	2	2	5	4	2	2	25
0900	0	0	0	1-10	0	1	0	2	1	3	1	1	3	0	3	1	16
				11-27	0	0	0	0	0	1	0	0	1	7	1	2	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	0	2	1	4	1	1	4	7	4	3	28
1200	2	0	0	1-10	1	2	0	2	1	0	3	0	0	2	2	1	14
				11-27	0	0	0	0	0	0	0	1	1	4	4	1	11
				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	2	0	2	1	0	3	1	1	6	7	2	26
1500	2	0	0	1-10	1	0	5	1	2	0	0	0	0	1	2	3	15
				11-27	0	0	0	0	0	0	2	1	0	2	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	1	0	5	1	2	0	2	1	0	3	4	7	26
1800	2	0	0	1-10	1	2	7	1	0	1	0	0	1	1	1	1	16
				11-27	0	0	0	0	1	0	1	2	0	1	3	2	10
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	2	7	1	1	1	1	2	1	2	4	3	26
2100	1	0	0	1-10	1	1	1	0	5	1	0	1	1	1	1	1	14
				11-27	0	0	0	3	1	1	2	1	0	1	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	1	1	1	3	6	2	2	2	1	2	5	1	27

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

ALEXANDRIA (A) — FEBRUARY 1963

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	1	1	2	5	2	3	1	0	2	0	18
				11-27	0	0	0	0	1	0	0	2	1	1	2	0	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	1	1	3	5	2	5	2	1	4	0	25
0300	3	0	0	1-10	0	0	2	0	2	2	4	2	3	2	1	1	19
				11-27	0	0	0	0	0	1	0	0	1	2	1	1	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	2	0	2	3	4	2	4	4	2	2	25
0600	5	0	0	1-10	0	0	0	0	1	2	1	5	3	1	2	0	15
				11-27	0	0	0	0	0	0	0	0	3	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	0	0	0	0	1	2	1	5	6	4	3	1	23
0900	0	0	0	1-10	0	1	2	0	3	2	2	0	1	0	3	1	15
				11-27	0	0	0	0	0	1	0	0	7	3	2	0	13
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	2	0	3	3	2	0	8	3	5	1	28
1200	0	0	0	1-10	0	0	1	2	3	2	0	1	1	2	1	1	14
				11-27	1	0	0	0	0	0	0	1	2	6	3	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	1	0	1	2	3	2	0	2	3	8	4	2	28
1500	0	0	0	1-10	4	1	1	1	3	0	1	1	0	3	4	1	20
				11-27	0	1	0	0	0	0	0	0	0	3	3	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	2	1	1	3	0	1	1	0	6	7	2	28
1800	1	0	0	1-10	2	3	5	2	3	0	0	4	0	0	2	0	21
				11-27	0	0	0	0	0	0	0	0	0	2	4	0	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	3	5	2	3	0	0	4	0	2	6	0	27
2100	3	0	0	1-10	1	0	4	1	2	4	1	2	0	3	0	0	18
				11-27	0	0	0	0	1	1	0	2	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	1	0	4	1	3	5	1	4	0	5	1	0	25

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 1963

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	3	1	1	1	3	0	1	3	1	0	1	17
				11-27	0	0	0	1	2	0	2	1	4	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	2	3	1	2	3	3	2	2	7	1	0	2	28
0300	0	0	0	1-10	2	1	0	2	3	0	2	2	2	1	0	2	17
				11-27	0	0	1	0	2	0	0	3	3	2	0	0	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	1	2	5	0	2	5	5	3	0	2	28
0600	0	0	0	1-10	0	0	3	0	1	1	2	3	1	0	0	1	12
				11-27	1	0	0	2	0	1	3	4	3	1	1	0	16
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	3	2	1	2	5	7	4	1	1	1	28
0900	0	0	0	1-10	0	2	0	1	1	1	3	2	3	0	0	2	15
				11-27	0	0	0	1	0	1	2	4	5	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	2	0	2	1	2	5	6	8	0	0	2	28
1200	0	0	0	1-10	2	4	3	0	0	1	2	0	1	1	1	2	20
				11-27	0	0	0	0	0	0	0	0	5	0	1	5	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	4	3	0	0	1	2	0	6	1	2	7	28
1500	0	0	0	1-10	5	4	1	0	0	0	0	1	2	0	0	2	15
				11-27	0	1	2	0	0	0	1	0	4	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	5	5	3	0	0	0	1	1	6	0	2	5	28
1800	0	0	0	1-10	4	1	1	1	0	0	1	1	1	0	1	4	15
				11-27	1	1	2	2	0	0	1	1	1	3	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	5	2	3	3	0	0	2	2	2	3	2	0	28
2100	0	0	0	1-10	2	3	0	2	2	2	1	4	0	1	2	0	17
				11-27	1	0	2	1	1	0	0	1	1	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	3	3	2	3	2	2	1	5	1	2	3	0	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 1963

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	1	1	2	5	2	3	1	0	2	0	18
				11-27	0	0	0	0	1	0	0	2	1	1	2	0	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	1	1	3	5	2	5	2	1	4	0	25
0300	3	0	0	1-10	0	0	2	0	2	2	4	2	3	2	1	1	19
				11-27	0	0	0	0	0	1	0	0	1	2	1	1	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	2	0	2	3	4	2	4	4	2	2	25
0600	5	0	0	1-10	0	0	0	0	1	2	1	6	3	1	2	0	15
				11-27	0	0	0	0	0	0	0	0	3	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	0	0	0	0	1	2	1	5	6	4	3	1	23
0900	6	0	0	1-10	0	1	2	0	3	2	2	0	1	0	3	1	15
				11-27	0	0	0	0	0	1	0	0	7	3	2	0	13
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	2	0	3	3	2	0	8	3	5	1	28
1200	0	0	0	1-10	0	0	1	2	3	2	0	1	1	2	1	1	14
				11-27	1	0	0	0	0	0	0	1	2	6	3	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	1	0	1	2	3	2	0	2	3	8	4	2	28
1500	0	0	0	1-10	4	1	1	1	3	0	1	1	0	3	4	1	20
				11-27	0	1	0	0	0	0	0	0	0	3	3	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	2	1	1	3	0	1	1	0	6	7	2	28
1800	1	0	0	1-10	2	3	5	2	3	0	0	4	0	0	2	0	21
				11-27	0	0	0	0	0	0	0	0	0	2	4	0	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	3	5	2	3	0	0	4	0	2	6	0	27
2100	3	0	0	1-10	1	0	4	1	2	4	1	2	0	3	0	0	18
				11-27	0	0	0	0	1	1	0	2	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	1	0	4	1	3	5	1	4	0	5	1	0	25

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 1963

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	3	1	1	1	3	0	1	3	1	0	1	17
				11-27	0	0	0	1	2	0	2	1	4	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	2	3	1	2	3	3	2	2	7	1	0	2	28
0300	0	0	0	1-10	2	1	0	2	3	0	2	2	2	1	0	2	17
				11-27	0	0	1	0	2	0	0	3	3	2	0	0	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	1	2	5	0	2	5	5	3	0	2	28
0600	0	0	0	1-10	0	0	3	0	1	1	2	3	1	0	0	1	12
				11-27	1	0	0	2	0	1	3	4	3	1	1	0	16
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	3	2	1	2	5	7	4	1	1	1	28
0900	0	0	0	1-10	0	2	0	1	1	1	3	2	3	0	0	2	15
				11-27	0	0	0	1	0	1	2	4	5	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	2	0	2	1	2	5	6	8	0	0	2	28
1200	0	0	0	1-10	2	4	3	0	0	1	2	0	1	1	1	2	20
				11-27	0	0	0	0	0	0	0	0	5	0	1	5	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	4	3	0	0	1	2	0	6	1	2	7	28
1500	0	0	0	1-10	5	4	1	0	0	0	0	1	2	0	0	2	15
				11-27	0	1	2	0	0	0	1	0	4	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	5	5	3	0	0	0	1	1	6	0	2	5	28
1800	0	0	0	1-10	4	1	1	1	0	0	1	1	1	0	1	4	15
				11-27	1	1	2	2	0	0	1	1	1	3	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	5	2	3	3	0	0	2	2	2	3	2	0	28
2100	0	0	0	1-10	2	3	0	2	2	2	1	4	0	1	2	0	17
				11-27	1	0	2	1	1	0	0	1	1	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	3	3	2	3	2	2	1	5	1	2	3	0	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 1963

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	3	7	5	4	2	1	0	0	22
				11-27	0	0	0	0	0	0	1	0	1	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	3	7	6	4	3	1	0	0	24
0300	1	0	0	1-10	0	0	0	0	3	6	5	5	5	0	0	0	24
				11-27	0	0	0	0	0	0	0	0	3	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	3	6	5	5	8	0	0	0	27
0600	0	0	0	1-10	0	0	0	0	3	8	5	5	4	0	0	1	26
				11-27	0	0	0	0	0	0	0	0	2	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	3	8	5	5	6	0	0	1	28
0900	0	0	0	1-10	1	1	2	0	2	0	6	2	3	4	2	1	24
				11-27	0	0	0	0	0	0	0	0	2	2	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	2	0	2	0	6	2	5	6	2	1	28
1200	0	0	0	1-10	5	5	0	0	0	0	2	1	0	0	8	3	24
				11-27	0	0	0	0	0	0	0	0	1	1	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	5	0	0	0	0	2	1	1	1	10	3	28
1500	0	0	0	1-10	6	6	2	0	0	0	0	0	0	1	7	4	26
				11-27	0	0	0	0	0	0	0	0	1	0	1	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	6	2	0	0	0	0	0	1	1	8	4	28
1800	4	0	0	1-10	3	3	2	2	2	0	1	1	3	2	2	2	23
				11-27	0	0	0	0	0	0	0	0	1	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	3	2	2	2	0	1	1	4	2	2	2	24
2100	4	0	0	1-10	0	2	0	1	4	4	4	2	3	2	1	0	23
				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	2	0	1	4	4	4	2	4	2	1	0	24

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

GHAZZA — FEBRUARY 1963

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	1	1	3	10	3	2	1	1	1	0	23
				11-27	0	0	0	0	0	3	0	0	0	1	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	0	0	1	1	3	13	3	2	2	2	1	0	28
0300	0	0	0	1-10	0	0	0	0	5	11	4	0	1	0	1	0	22
				11-27	0	0	0	0	0	1	1	1	2	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	0	0	0	0	5	12	5	1	3	1	1	0	28
0600	1	0	0	1-10	0	1	0	1	0	8	6	3	0	0	1	0	20
				11-27	0	0	0	0	1	4	0	0	1	0	0	0	6
				28-47	0	0	0	0	0	0	0	0	1	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	0	1	1	12	6	3	2	0	1	0	27
0900	1	0	0	1-10	3	0	0	0	0	1	2	1	2	3	4	1	17
				11-27	0	1	0	0	0	0	2	2	4	0	0	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	3	1	0	0	0	1	4	3	7	3	4	1	27
1200	0	0	0	1-10	2	1	0	0	0	0	1	1	3	4	5	4	21
				11-27	3	0	0	0	0	0	0	0	1	1	0	1	6
				28-47	0	0	0	0	0	0	0	1	0	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	1	0	0	0	0	1	2	4	5	5	5	28
1500	1	0	0	1-10	3	3	0	0	0	0	0	0	2	5	3	4	20
				11-27	3	0	0	0	0	0	0	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	6	3	0	0	0	0	0	0	3	8	3	4	27
1800	0	0	0	1-10	0	0	2	6	0	1	1	0	1	4	3	2	20
				11-27	1	2	0	0	0	0	0	0	1	1	1	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	1	2	2	6	0	1	1	0	3	5	4	3	28
2100	0	0	0	1-10	0	1	1	3	8	5	4	0	0	0	2	0	24
				11-27	0	0	0	0	0	2	0	0	0	0	1	0	3
				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	3	8	7	4	0	1	0	3	0	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 1963

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	2	0	1	3	1	2	0	5	2	0	0	16
				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	2	0	1	3	1	2	2	6	2	0	0	19
0300	7	0	0	1-10	0	0	1	2	3	2	4	5	1	0	0	0	18
				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	0	1	3	3	2	5	6	1	0	0	0	21
0600	5	0	0	1-10	0	0	2	1	4	2	2	3	2	2	0	1	19
				11-27	0	0	0	0	0	0	0	1	3	0	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	2	1	4	2	2	4	5	2	0	1	23
0900	1	0	0	1-10	0	0	4	1	1	2	1	1	4	1	5	1	21
				11-27	0	0	1	0	0	0	0	0	3	0	1	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	0	5	1	1	2	1	1	8	1	6	1	27
1200	1	0	0	1-10	0	1	2	1	2	0	0	1	1	3	1	4	16
				11-27	0	2	0	0	0	0	0	1	5	1	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	0	3	2	1	2	0	0	2	6	4	3	4	27
1500	1	0	0	1-10	1	2	2	1	1	0	0	0	1	3	1	1	13
				11-27	1	3	1	0	0	0	0	0	2	4	2	1	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	5	3	1	1	0	0	0	3	7	3	2	27
1800	2	0	0	1-10	2	7	4	1	0	0	2	0	2	2	0	1	21
				11-27	0	0	1	0	0	0	0	0	2	0	1	1	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	7	5	1	0	0	2	0	4	2	1	2	26
2100	10	0	0	1-10	4	2	2	1	1	1	2	0	1	2	0	0	16
				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	4	2	2	1	1	1	2	0	2	3	0	0	18

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 1963

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	2	4	5	0	1	4	1	3	1	2	1	24
				11-27	0	0	0	0	0	0	1	0	0	2	1	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	2	4	5	0	1	5	1	3	3	3	1	28
0300	0	0	0	1-10	0	4	3	2	0	1	4	3	2	1	1	1	22
				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	0	4	3	2	0	1	4	6	2	4	1	1	28
0600	0	0	0	1-10	1	1	4	2	1	1	3	3	1	2	1	0	20
				11-27	0	0	0	1	0	0	1	1	2	3	0	0	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	4	3	1	1	4	4	3	5	1	0	28
0900	0	0	0	1-10	0	3	3	1	0	1	0	3	2	1	1	3	18
				11-27	0	0	0	1	0	0	0	1	2	1	3	2	10
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	3	3	2	0	1	0	4	4	2	4	5	28
1200	0	0	0	1-10	2	3	2	1	1	1	1	0	0	2	2	3	18
				11-27	1	0	1	0	0	0	0	1	1	2	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	3	3	3	1	1	1	1	1	1	4	5	4	28
1500	0	0	0	1-10	1	4	2	1	2	1	0	1	0	1	2	4	19
				11-27	1	0	1	0	0	0	0	1	0	1	3	2	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	4	3	1	2	1	0	2	0	2	5	6	28
1800	0	0	0	1-10	3	7	3	1	1	2	1	0	1	3	1	1	24
				11-27	0	0	1	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	3	7	4	1	1	2	1	1	1	3	2	2	28
2100	0	0	0	1-10	1	1	4	5	0	2	2	2	1	0	3	1	22
				11-27	0	0	2	0	0	0	0	2	0	2	0	0	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	6	5	0	2	2	4	1	2	3	1	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 1963

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	4	4	3	2	1	3	1	1	1	1	22
				11-27	0	0	0	0	0	1	2	0	1	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	1	4	4	3	3	3	3	2	3	1	1	28
0300	1	0	0	1-10	1	2	1	3	1	4	4	3	3	1	0	0	23
				11-27	0	0	0	1	0	0	2	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	1	2	1	4	1	4	6	3	4	1	0	0	27
0600	2	0	0	1-10	0	0	5	1	3	0	3	4	2	2	0	0	20
				11-27	0	0	0	0	1	1	0	2	2	0	0	0	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	5	1	4	1	3	6	4	2	0	0	26
0900	0	0	0	1-10	2	6	1	0	0	0	0	5	2	1	1	2	20
				11-27	0	0	1	1	0	0	0	2	0	3	1	0	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	6	2	1	0	0	0	7	2	4	2	2	28
1200	0	0	0	1-10	1	1	4	0	1	1	2	3	2	4	3	2	24
				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	1	1	4	0	1	1	2	3	3	6	4	2	28
1500	0	0	0	1-10	3	6	6	0	0	0	1	2	0	3	1	1	23
				11-27	0	0	0	0	0	0	0	1	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	3	6	6	0	0	0	1	3	1	4	3	1	28
1800	0	0	0	1-10	2	3	5	0	2	2	3	0	2	2	2	1	24
				11-27	0	0	1	1	0	0	0	1	0	1	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	3	6	1	2	2	3	1	2	3	2	1	28
2100	1	0	0	1-10	1	4	3	2	2	3	1	1	2	1	1	1	22
				11-27	0	0	0	3	0	0	0	2	0	0	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	4	3	5	2	3	1	3	2	1	1	1	27

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

ABBASIYA (H.Q) — FEBRUARY 1963

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	1	3	0	1	1	2	2	1	2	2	1	0	16
				11–27	0	0	0	0	0	0	0	0	1	0	0	0	1
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	3	0	1	1	2	2	1	3	2	1	0	17
0300	15	0	0	1–10	1	1	0	0	0	1	3	3	2	1	1	0	13
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	0	0	0	1	3	3	2	1	1	0	13
0600	12	0	0	1–10	3	0	1	0	0	1	2	5	3	0	0	0	15
				11–27	0	0	0	0	0	0	0	1	0	0	0	0	1
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	1	0	0	1	2	6	3	0	0	0	16
0900	1	0	0	1–10	1	6	0	0	0	1	1	5	2	2	5	2	25
				11–27	0	0	0	0	0	0	0	1	1	0	0	0	2
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	6	0	0	0	1	1	6	3	2	5	2	27
1200	0	0	0	1–10	4	4	0	0	0	0	1	4	3	3	4	2	25
				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	4	4	0	0	0	0	2	4	3	5	4	2	28
1500	2	0	0	1–10	7	4	0	1	0	0	0	3	1	2	2	4	24
				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	7	4	0	1	0	0	0	3	1	3	2	5	26
1800	7	0	0	1–10	2	6	0	1	1	1	1	0	2	2	1	3	20
				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	6	0	1	1	1	2	0	2	2	1	3	21
2100	9	0	0	1–10	1	6	3	0	2	2	0	0	1	1	1	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	1	6	3	0	2	2	2	0	1	1	1	0	19

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

HELWAN — FEBRUARY 1963

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	5	1	5	2	2	0	0	1	0	0	1	0	17
				11-27	0	2	1	1	0	0	1	1	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	5	3	6	3	2	0	1	2	0	0	1	1	24
0300	6	0	0	1-10	0	5	2	3	2	1	0	2	0	0	0	0	17
				11-27	0	2	1	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	0	7	3	5	2	1	0	2	1	0	0	1	22
0600	7	0	0	1-10	1	4	2	1	2	1	3	2	0	0	0	0	16
				11-27	0	2	2	0	0	0	0	1	0	0	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	6	4	1	2	1	3	3	0	0	0	0	21
0900	4	0	0	1-10	1	2	2	1	0	0	3	4	0	1	0	1	15
				11-27	0	2	1	0	0	2	0	2	0	1	1	0	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	4	3	1	0	2	3	6	0	2	1	1	24
1200	4	0	0	1-10	3	2	2	2	0	0	1	2	2	3	0	0	17
				11-27	0	2	1	0	0	0	0	1	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	3	4	3	2	0	0	1	3	4	4	0	0	24
1500	2	0	0	1-10	1	0	1	1	0	0	2	0	1	1	2	4	15
				11-27	1	0	4	0	0	0	1	1	1	1	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	2	0	5	1	0	0	3	1	2	2	5	5	26
1800	5	0	0	1-10	3	1	2	0	1	1	0	0	1	2	1	3	15
				11-27	3	1	3	0	0	0	1	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	2	5	0	1	1	1	0	1	2	1	3	23
2100	3	0	0	1-10	0	3	3	1	2	0	0	0	1	2	2	0	14
				11-27	2	5	1	0	1	0	2	0	0	0	0	0	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	8	4	1	3	0	2	0	1	2	2	0	25

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

MINYA (A) FEBRUARY 1963

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	3	0	0	1	6	0	0	1	0	0	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	9	3	0	0	1	6	0	0	1	0	0	3	23
0300	9	0	0	1—10	5	2	0	0	0	3	0	0	0	1	2	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	2	0	0	0	3	0	0	0	1	2	6	19
0600	4	0	0	1—10	4	0	0	0	0	7	0	1	0	1	2	7	22
				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	5	0	0	0	0	7	0	1	1	1	2	7	24
0900	1	0	0	1—10	4	8	0	0	0	5	0	1	1	0	0	3	22
				11—27	0	2	0	0	0	1	0	0	0	0	1	1	5
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	10	0	0	0	6	0	1	1	0	1	4	27
1200	0	0	0	1—10	4	3	0	1	1	1	0	0	1	0	5	4	20
				11—27	1	3	0	0	0	1	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	5	6	0	1	1	2	0	0	1	0	8	4	28
1500	1	0	0	1—10	8	5	0	0	1	1	0	2	0	0	3	4	24
				11—27	1	1	0	0	0	0	0	0	0	0	1	0	3
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	6	0	0	1	1	0	2	0	0	4	4	27
1800	4	0	0	1—10	6	4	0	0	1	2	0	0	0	0	5	3	21
				11—27	2	0	0	0	0	0	0	0	0	0	1	0	3
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	4	0	0	1	2	0	0	0	0	6	3	24
2100	3	0	0	1—10	6	3	0	0	1	4	0	0	0		1	6	22
				11—27	0	3	0	0	0	0	0	0	0		0	0	3
				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	6	0	0	1	4	0	0	0		1	6	25

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

ASYOUT (A)—FEBRUARY 1963

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	1	3	1	0	0	3	12	5	1	26
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	1	3	1	0	0	3	12	5	1	26
0300	3	0	0	1-10	0	1	0	3	1	1	0	0	0	11	6	0	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	0	1	0	3	1	1	0	0	0	12	7	0	25
0600	4	0	0	1-10	1	0	0	0	1	0	1	1	3	2	4	6	22
				11-27	0	0	0	0	0	0	0	0	0	0	1	1	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	1	0	1	1	3	2	5	7	24
0900	5	0	0	1-10	3	1	1	0	1	0	2	0	1	3	2	3	17
				11-27	1	0	0	0	1	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	4	1	1	0	2	0	2	0	1	4	4	4	23
1200	1	0	0	1-10	[illegible]	1	1	0	2	0	0	0	1	0	3	4	17
				11-27	1	0	0	0	0	0	1	0	0	1	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	1	1	0	2	0	1	0	1	1	6	8	27
1500	1	0	0	1-10	0	0	3	0	0	0	0	1	0	1	6	12	23
				11-27	0	0	0	0	0	0	0	1	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	0	0	3	0	0	0	0	2	0	1	8	13	27
1800	6	0	0	1-10	0	0	0	0	0	1	0	0	2	7	7	0	17
				11-27	0	0	0	0	0	1	1	0	0	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	0	0	0	0	0	2	1	0	2	7	10	0	22
2100	1	0	0	1-10	0	0	0	1	1	1	1	1	4	12	3	0	24
				11-27	0	0	0	0	0	1	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	0	0	0	1	1	2	1	1	4	12	5	0	27

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

LUXOR (A) FEBRUARY 1963

Hour (UTC)	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	11	0	0	1–10	4	1	0	1	0	1	1	3	1	1	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	4	1	0	1	0	1	1	3	1	1	1	0	14
0300	29	0	0	1–10	1	1	1	0	0	0	0	2	2	0	0	1	8
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	1	0	0	0	0	2	2	0	0	1	8
0600	18	0	0	1–10	2	0	1	2	0	0	1	2	0	0	2	0	10
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	1	2	0	0	1	2	0	0	2	0	10
0900	1	0	0	1–10	7	4	4	0	0	0	0	0	0	1	1	6	23
				11–27	0	0	0	0	0	0	0	0	0	0	0	1	1
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	4	4	0	0	0	0	0	0	1	1	7	24
1200	0	0	0	1–10	8	2	0	0	0	0	0	0	1	1	6	7	25
				11–27	0	0	0	0	0	0	0	0	0	0	1	2	3
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	2	0	0	0	0	0	0	1	1	7	9	28
1500	8	0	0	1–10	5	2	0	0	0	0	0	0	0	2	1	9	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	2	0	0	0	0	0	0	0	2	1	10	20
1800	13	0	1	1–10	1	0	1	0	0	0	1	1	3	2	3	2	14
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	1	0	0	0	1	1	3	2	3	2	14
2100	5	0	0	1–10	0	2	1	1	3	1	3	5	5	0	1	1	23
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	2	1	1	3	1	3	5	5	0	1	1	23

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

ASWAN (A)— FEBRUARY 1963

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	12	7	0	0	0	0	0	0	0	0	1	3	23
				11—27	2	1	0	0	0	0	0	0	0	0	0	1	4
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	8	0	0	0	0	0	0	0	0	1	4	27
0300	0	0	0	1—10	10	11	1	0	0	0	1	0	0	0	0	1	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	13	12	1	0	0	0	1	0	0	0	0	1	28
0600	1	0	0	1—10	13	9	0	0	0	0	1	0	0	0	0	2	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	14	9	0	0	0	0	1	0	0	0	0	3	27
0900	0	0	0	1—10	3	12	1	0	0	0	1	0	0	1	0	1	19
				11—27	6	3	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	9	15	1	0	0	0	1	0	0	1	0	1	28
1200	1	0	0	1—10	6	8	0	0	0	0	1	0	0	1	1	1	18
				11—27	5	1	0	0	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	11	9	0	0	0	0	1	0	0	2	1	3	27
1500	0	0	0	1—10	9	4	0	1	0	0	0	1	0	0	0	2	17
				11—27	8	0	0	0	0	0	0	0	0	0	2	1	11
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	17	4	0	1	0	0	0	1	0	0	2	3	28
1800	0	0	0	1—10	10	5	0	0	0	0	0	0	0	0	2	5	22
				11—27	4	0	0	0	0	0	0	0	0	0	0	2	6
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	5	0	0	0	0	0	0	0	0	2	7	28
2100	0	0	0	1—10	10	8	0	0	0	0	0	0	0	0	2	2	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	15	9	0	0	0	0	0	0	0	0	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 -- FEBRUARY 1963

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	1	2	2	0	0	1	0	0	2	3	1	12
				11-27	0	0	0	0	0	0	1	0	0	1	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	0	1	2	2	0	0	2	0	0	3	5	1	16
0300	13	0	0	1-10	1	0	0	3	0	0	0	0	3	4	1	1	13
				11-27	0	0	0	0	0	0	0	0	0	0	2	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	3	0	0	0	0	3	4	3	1	15
0600	10	0	0	1-10	0	0	1	5	2	0	0	1	0	5	2	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	0	0	1	5	2	0	0	1	0	5	3	1	18
0900	1	0	0	1-10	0	0	0	0	0	3	0	2	0	1	3	1	16
				11-27	1	0	0	0	1	0	1	0	4	0	4	0	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	1	3	1	2	4	1	7	1	27
1200	1	0	0	1-10	0	0	0	0	1	4	1	1	3	1	3	1	15
				11-27	0	0	0	0	1	1	2	1	0	1	6	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	0	0	2	5	3	2	3	2	9	1	27
1500	1	0	0	1-10	0	0	1	0	3	4	0	2	1	4	2	1	18
				11-27	0	0	0	0	0	1	1	1	1	1	2	2	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	1	0	3	5	1	3	2	5	4	3	27
1800	5	0	0	1-10	1	1	0	1	2	3	0	2	3	4	3	0	20
				11-27	0	0	0	0	0	0	0	0	0	1	2	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	0	1	2	3	0	2	3	5	5	0	23
2100	8	0	0	1-10	3	0	1	2	2	2	0	1	2	3	1	1	18
				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	3	0	1	2	2	2	0	1	3	3	2	1	20

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

BAHARIYA — FEBRUARY 1963

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	0	0	0	0	0	0	1	0	0	1	2	0	4
				11-27	0	0	0	0	0	0	0	0	0	4	1	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥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	5	3	0	9
0300	18	0	0	1-10	1	0	0	0	0	0	1	0	0	2	3	0	7
				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	1	0	0	0	0	0	1	0	0	5	3	0	10
0600	20	0	0	1-10	0	1	0	0	0	0	0	0	1	1	2	0	5
				11-27	0	0	0	0	0	0	0	0	0	3	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	0	0	0	0	0	0	1	4	2	0	8
0900	9	0	0	1-10	0	2	1	1	1	0	3	0	0	0	0	2	12
				11-27	0	0	0	0	0	0	0	0	0	3	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	2	2	1	1	1	0	3	0	0	3	3	3	19
1200	4	0	0	1-10	2	3	1	3	0	0	1	3	0	2	1	0	16
				11-27	1	0	0	0	0	0	0	0	1	2	3	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	3	3	1	3	0	0	1	3	1	4	4	1	24
1500	6	0	0	1-10	3	4	0	0	1	1	1	1	0	0	2	0	13
				11-27	1	0	0	0	0	0	0	0	1	0	5	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	4	0	0	1	1	1	1	1	0	7	2	22
1800	14	0	0	1-10	3	1	0	0	0	1	1	1	0	1	3	1	12
				11-27	0	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	3	1	0	0	0	1	1	1	0	1	4	2	14
2100	18	0	0	1-10	0	1	0	0	1	0	0	1	0	2	2	0	7
				11-27	0	0	0	0	0	1	0	0	0	1	0	1	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	0	0	1	1	0	1	0	3	2	1	10

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

DAKHLA — FEBRUARY 1963

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	2	3	2	0	4	1	4	3	0	20
				11—27	0	0	0	1	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	0	0	1	3	3	2	0	4	1	4	3	2	23
0300	10	0	0	1—10	2	0	0	3	1	1	0	1	1	4	3	2	18
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	3	1	1	0	1	1	4	3	2	18
0600	11	0	0	1—10	0	0	0	2	2	2	2	0	2	5	2	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	2	2	2	2	0	2	5	2	0	17
0900	0	0	0	1—10	3	0	2	4	5	2	0	0	0	2	4	6	28
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	2	4	5	2	0	0	0	2	4	6	28
1200	0	0	0	1—10	5	3	1	1	5	1	0	0	0	1	4	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	5	3	1	1	5	1	0	0	0	1	4	7	28
1500	1	0	0	1—10	5	1	1	1	0	2	0	2	0	2	2	7	23
				11—27	0	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	5	1	1	1	0	2	0	2	0	2	2	7	27
1800	1	0	0	1—10	4	3	1	3	1	2	0	0	0	1	4	5	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	5	3	1	3	1	2	0	0	0	1	4	7	27
2100	4	0	0	1—10	0	1	1	2	1	3	0	2	3	4	5	1	23
				11—27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	1	2	1	3	0	2	3	4	5	1	24

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

HURGHADA — FEBRUARY 1963

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	1	0	0	1-10	0	0	0	0	0	0	0	0	0	6	7	1
				11-27	0	0	0	0	0	0	0	0	0	2	6	5
				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	0	0	0	0	0	0	0	0	0	8	13	6
0300	0	0	0	1-10	0	0	0	0	0	0	0	0	1	6	11	0
				11-27	0	0	0	0	0	0	0	0	0	4	3	3
				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	0	0	0	0	0	0	0	0	1	10	14	3
0600	1	0	0	1-10	0	0	0	0	0	0	0	0	0	4	11	0
				11-27	0	0	0	0	0	0	0	0	0	3	6	3
				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	0	0	0	0	0	0	0	0	0	7	17	3
0900	0	0	0	1-10	1	2	1	1	1	0	0	0	0	0	0	4
				11-27	0	0	0	0	0	0	0	0	0	1	1	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	2	1	1	1	0	0	0	0	1	1	20
1200	0	0	0	1-10	4	3	3	0	3	0	0	0	0	0	0	0
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	3	3	0	3	0	0	0	0	0	1	9
1500	0	0	0	1-10	8	2	1	0	3	1	0	0	0	0	0	3
				11-27	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	2	1	0	3	1	0	0	0	0	1	12
1800	3	0	0	1-10	0	0	0	0	0	2	0	0	2	4	5	1
				11-27	0	0	0	0	0	1	0	0	0	0	5	5
				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	0	0	0	0	0	3	0	0	2	4	10	6
2100	3	0	0	1-10	0	0	0	0	0	1	0	0	0	2	15	0
				11-27	0	0	0	0	0	0	0	0	1	0	4	2
				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	0	0	0	0	0	1	0	0	1	2	19	2

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

QUSEIR — FEBRUARY 1963

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	0	0	0	0	0	0	1	0	12	3	1	17
				11-27	0	0	0	0	0	0	0	0	0	2	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	0	0	0	0	0	0	0	1	0	14	5	5	25
0300	3	0	0	1-10	0	0	0	0	0	0	0	0	0	12	6	2	20
				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	0	0	0	0	0	0	0	0	0	14	7	4	25
0600	1	0	0	1-10	0	0	0	0	0	0	0	0	0	14	2	3	19
				11-27	0	0	0	0	0	0	0	0	0	2	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	0	0	0	0	0	0	0	0	0	16	4	7	27
0900	0	0	0	1-10	4	2	2	2	0	0	0	0	0	0	1	1	12
				11-27	11	0	0	0	0	0	0	0	0	0	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	15	2	2	2	0	0	0	0	0	0	3	4	28
1200	0	0	0	1-10	4	2	2	4	0	0	0	0	0	0	0	0	12
				11-27	13	2	0	0	0	0	0	0	0	0	1	0	16
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	17	4	2	4	0	0	0	0	0	0	1	0	28
1500	0	0	0	1-10	10	3	0	3	0	2	0	0	0	0	0	0	18
				11-27	8	0	0	0	0	1	0	0	0	1	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	18	3	0	3	0	3	0	0	0	1	0	0	28
1800	5	0	0	1-10	1	0	0	0	0	0	2	0	0	9	5	4	21
				11-27	1	0	0	0	0	0	0	0	0	0	1	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	0	0	0	2	0	0	9	6	4	23
2100	4	0	0	1-10	0	0	0	0	1	0	0	0	1	14	5	0	21
				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	1	0	0	0	1	15	5	2	24

TABLE B 1. — UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — FEBRUARY 1963

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	1011mb*	1016mb*	1009mb*	27	11·8	17·0	8·2	27	6·0
1000	27	137	176	42	27	13·4	17·8	10·1	27	6·4
850	27	1492	1537	1406	27	6·5	14·4	0·2	25	— 2·8
700	27	3059	3133	2957	27	— 1·7	4·6	— 9·4	19	—11·1
600	27	4266	4351	4152	27	— 9·2	— 4·6	—17·9	11	—17·6
500	27	5650	5753	5501	27	—19·5	—15·7	—26·2	10	—26·5
400	27	7271	7394	7072	27	—31·1	—27·9	—38·8	6	—32·8
300	27	9247	9386	9065	27	—45·7	—42·3	—48·8	—	—
200	27	11872	12032	11687	27	—55·4	—46·2	—63·0	—	—
150	27	13691	13838	13541	27	—59·9	—55·6	—63·5	—	—
100	15	16199	16305	16068	15	—65·6	—60·2	—76·0	—	—
60	3	19334	19374	19303	3	—62·7	—61·7	—63·7	—	—
40	2	21867	21906	21829	2	—58·7	—57·7	—59·8	—	—
30	1	23699	—	—	1	—60·5	—	—	—	—
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 1963

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	1011mb*	1015mb*	1004mb*	27	19·3	27·0	15·0	27	6·1
1000	27	134	168	76	27	18·[illegible]	26·2	14·0	27	5·3
850	27	1497	1532	1437	27	7·0	11·5	1·9	24	2·[illegible]
700	27	3070	3129	[illegible]	27	1·1	3·6	8·9	16	13·1
600	27	4283	4350	41[illegible]	27	[illegible]	[illegible]·0	13·[illegible]	10	18·[illegible]
500	27	[illegible]	5795	5560	27	18·1	11·6	[illegible]	7	[illegible]
400	[illegible]	7306	7428	7195	27	29·5	26·0	32·8	7	32·[illegible]
300	26	9292	9476	9178	26	44·5	—39·5	—49·3	—	
200	25	11923	12050	11797	25	54·7	—47·1	—63·1	—	—
150	24	13749	13865	13649	24	[illegible]·4	—49·8	—64·2	—	—
100	16	16261	16400	16129	16	—64·8	—53·1	—69·4	—	—
60	7	19391	19471	19285	7	—61·1	—57·0	—69·6	—	—
40	1	21857	—	—	1	51·5	—	—	—	—
30	1	23727			1	50·9	—	—	—	—
20	1	26404			1	—44·0	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 0000 U.T. — FEBRUARY 1963

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	998mb.*	1003mb.*	992mb.*	28	13.0	18.4	9.0	28	3·8
1000	28	128	165	76	13	11.9	14·4	9.0	13	5.2
850	28	1488	1533	1437	28	9.2	17.0	2.4	22	— 4.3
700	28	3074	3148	2962	27	1.0	6.2	— 8.0	16	—12.5
600	28	4297	4393	4152	28	— 6.8	— 2·1	—14·1	12	—16.7
500	28	5686	5870	5511	28	—16.9	—10·6	—25·1	10	—23.5
400	28	7331	7494	7100	28	—28.7	—25·0	—33·7	8	—39.6
300	28	9328	9516	9082	28	—43.8	—39.7	—48·4	—	—
200	26	11975	12154	11765	26	—55.1	—48.4	—61.0	—	—
150	24	13792	13972	13611	24	—60.0	—51.8	—65.0	—	—
100	20	16270	16428	16142	20	—67.7	—59.4	—73.9	—	—
60	4	19403	19477	19332	4	—62.8	—53.9	—69·1	—	—
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 1963

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	998 mb.*	1002mb*	992mb.*	27	20·4	25.2	15.9	27	2.6
1000	27	124	157	76	8	19·1	20.0	16.7	8	3·4
850	27	1492	1533	1435	27	9.0	16.2	2.9	19	— 5.2
700	27	3075	3146	2990	27	1.0	6.6	— 4·0	8	—10·3
600	27	4297	4372	4188	26	— 6.9	— 3.2	—12.5	5	—16.3
500	27	5694	5813	5552	27	—16.4	—12.0	—22·9	4	—20.8
400	27	7335	7443	7156	27	—28.8	—24.3	—34·0	4	—33.8
300	25	9326	9509	9119	25	—43.7	—33.7	—48.5	—	—
200	24	11983	12210	11765	24	—53.9	—48.7	—61.8	—	—
150	22	13798	14030	13612	22	—60.3	—55.0	—61·5	—	—
100	19	16290	16488	16152	19	—67.6	—59.1	—72·5	—	—
60	10	19381	19471	19296	10	—63.8	—62.0	—67·4	—	—
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. — FEBRUARY 1963

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	991mb*	995mb*	987mb*	28	14.4	20.8	11.6	28	— 4.2
1000	—	—	—	—	—	—	—	—	—	—
850	28	1484	1508	1464	28	11·6	15.2	1.2	17	— 6.0
700	28	3077	3112	3028	28	1.8	5.8	— 4.8	9	—13.6
600	28	4303	4353	4219	28	— 5.7	- 2.2	—12.3	6	—19 5
500	28	5708	5779	5597	28	—15.0	—11.5	—20.3	5	—23.9
400	28	7344	7456	7212	28	—26.4	—21.6	—34.2	5	—35.6
300	28	9382	9507	9174	28	—39.8	—33.6	—48.1	—	—
200	28	12055	12229	11799	28	—56.9	—53.6	—62·0	—	—
150	27	13840	14018	13593	27	—67.2	—60.7	—70·6	—	—
100	25	16220	16412	15994	25	—76.7	—70.3	—83.0	—	—
60	22	19176	19302	18986	22	—70.3	—65.4	—75.4	—	—
40	12	21615	21764	21451	12	—64.8	—60.0	—72.7	—	—
30	6	23430	23569	23185	6	—60·2	—57·2	—70·0	—	—
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 1963

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	991mb*	994mb*	987mb*	27	26.8	32.2	22.0	27	2·0
1000	—	—	—	—	—		—	—	—	—
850	27	1506	1531	1491	27	14.3	18.9	7.1	14	—10.0
700	27	3117	3157	3080	27	5.0	9.6	— 0.8	6	—19.5
600	27	4356	4412	4302	37	— 2.5	0.4	— 8·3	4	—20.7
500	27	5778	5850	5701	27	—11.9	— 8.0	—17.7	5	—25·2
400	27	7452	7542	7343	27	—23.2	—20.2	—27.7	3	—37·1
300	26	9195	9628	9311	26	—37.2	—30.2	—46.0	—	—
200	26	12198	12391	11967	26	—54.4	—49.2	—57.6	—	—
150	26	13998	14203	13780	26	—64.8	—59.5	—69.1	—	—
100	21	16421	16601	16307	21	—74.3	—63.4	—78.4	—	—
60	13	19420	19529	19310	13	—68.7	—66.4	—72.8	—	—
40	5	21931	21987	21877	5	—60.9	—56.8	—64.7	—	-
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

The atmoshheric 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 1963

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
Marsa Matruh (A)	2552 (27)	747 (27)	— 6.5 (21)	3720	650	—	1500	848	— 4.0	10677 (26)	246 (26)	—55.7 (26)	12060	197	—62.3	9450	290	—48.4	8700	328	280	135
Helwan	3150 (28)	695 (28)	—11.6 (17)	4120	620	—	1830	808	— 1.5	10694 (25)	250 (25)	—55.7 (25)	16290	100	—70.2	8200	352	—37.9	11700	211	270	154
Aswan ... (A)	3346 (28)	678 (28)	- 13·9 (8)	3950	631	—	2450	752	—11.7	15267 (25)	120 (25)	—73.4 (23)	18050	73	—78·8	13280	165	—65·0	7200	409	260	165

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 1963

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
Marsa Matruh (A)	2719 (27)	733 (27)	— 9.1 (18)	3710	652	—	1740	822	—5.9	11013 (23)	231 (23)	—55.4 (23)	12750	174	—61.9	9300	273	—52.7	12000	199	300	160
Helwan	3136 (27)	696 (27)	— 8.8 (10)	4140	628	—	2000	796	— 3.0	10860 (21)	242 (21)	—53.5 (21)	11900	126	—60.2	8900	310	—45.0	14200	146	270	177
Aswan ... (A)	3990 (27)	632 (27)	—18.7 (5)	4900	633	—	3010	710	—19.7	14149 (17)	129 (17)	—69.5 (17)	18450	70	—74.9	12960	178	—60.2	7200	409	270	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.

MERSA MATRUH(A)—0000 U.T. – FEBRUARY 1963

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	—	2	12	2	8	3	7	5	15	5	14	6	17	1	20	0	—	3	27	12
1000	0	—	0	—	0	—	0	—	2	12	3	11	3	7	5	15	5	14	5	37	1	20	0	—	3	27	12
850	0	—	0	—	0	—	0	—	0	—	0	—	1	8	4	19	4	25	7	24	6	28	3	19	2	27	21
700	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	41	3	16	12	32	10	24	1	27	0	27	27
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	56	2	22	11	42	13	30	0	—	0	27	35
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	48	1	30	17	45	5	45	2	32	0	26	43
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	61	12	55	9	45	0	—	0	24	52
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	43	10	54	6	59	1	63	0	18	56
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	51	3	82	8	71	0	—	0	12	72
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	77	2	70	0	—	0	3	98
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

MERSA MATRUH (A)—1200 U.T.— FEBRUARY 1963

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	—	2	15	2	9	3	20	3	17	1	15	5	15	3	25	6	18	0	27	17
1000	2	12	0	—	0	—	0	—	2	15	2	9	3	20	3	17	2	18	5	15	4	24	4	17	0	27	17
850	0	—	0	—	0	—	0	—	0	—	1	2	4	25	2	14	2	16	9	20	7	22	2	32	0	27	21
700	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	19	1	45	14	28	9	26	1	31	0	27	27
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	23	2	50	15	30	9	38	0	—	0	27	39
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	49	13	54	12	38	0	—	0	26	46
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	70	10	54	10	62	1	14	0	22	56
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	60	7	72	8	64	0	—	0	16	67
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	92	6	76	0	—	0	8	80
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	112	3	82	0	—	0	4	90
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

HELWAN — 0000 U.T. — FEBRUARY 1963

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	7	5	12	6	9	2	11	2	4	0	—	0	—	2	6	1	16	1	5	1	10	0	—	2	28	8
1000	6	8	4	12	1	9	1	5	0	—	0	—	0	—	0	—	0	—	1	5	0	—	0	—	0	13	9
850	1	7	0	—	1	3	0	—	1	11	1	8	0	—	3	20	3	35	7	14	8	13	3	14	0	28	16
700	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	30	12	28	8	27	1	13	0	28	28
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	41	14	46	8	22	1	26	0	28	37
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	50	9	57	8	33	1	13	0	26	46
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	50	9	58	7	40	0	—	0	22	50
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	65	10	69	7	61	0	—	0	20	66
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	52	6	95	4	86	0	—	0	11	88
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	64	3	74	0	—	0	6	69
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	45	1	60	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 — 1200 U.T. — FEBRUARY 1963

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	10	3	13	3	9	0	—	0	—	0	—	3	7	1	10	3	12	5	10	2	14	0	—	4	27	9
1000	2	10	0	—	2	10	0	—	0	—	0	—	1	5	0	—	0	—	1	8	2	10	0	—	0	8	9
850	1	6	3	11	1	6	0	—	0	—	1	5	0	—	2	14	5	17	6	18	4	21	3	8	1	27	14
700	0	—	1	12	0	—	0	—	0	—	0	—	0	—	2	16	7	27	10	30	5	27	2	21	0	27	26
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	40	6	30	13	43	6	32	1	14	0	27	36
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	35	15	53	7	42	0	—	0	27	47
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	33	11	62	9	56	1	39	0	24	55
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	120	10	71	7	76	0	—	0	18	75
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	98	3	113	0	—	0	10	103
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	95	2	80	0	—	0	6	90
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	49	1	84	0	—	0	3	61
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. — FEBRUARY 1963

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	11	9	11	1	14	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	15	2	28	11
1000...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850...	3	10	2	8	1	12	2	8	1	3	1	17	1	15	1	5	2	14	7	20	3	13	4	12	0	28	13
700...	0	—	1	6	1	9	0	—	0	—	0	—	0	—	1	17	4	32	8	27	9	24	4	15	0	28	23
600...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	38	15	42	7	28	3	15	0	28	35
500...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	58	14	72	6	32	1	17	0	26	47
400...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	42	13	61	7	54	0	—	0	22	57
300...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	91	11	74	6	75	0	—	0	18	75
200...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	105	3	92	3	95	0	—	0	7	75
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. — FEBRUARY 1963

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	10	4	8	1	4	0	—	0	—	0	—	1	5	0	—	0	—	0	—	1	6	5	12	3	27	8
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	3	12	2	6	1	10	0	—	1	5	0	—	0	—	0	—	5	14	3	16	6	14	6	10	0	27	12
700	3	12	1	5	0	—	0	—	1	14	0	—	0	—	0	—	4	18	6	27	9	24	3	15	0	27	21
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	20	1	34	14	38	9	25	2	19	0	27	32
500	1	65	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	63	18	48	6	26	0	—	0	26	44
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	86	12	46	7	48	0	—	0	21	60
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	30	11	71	5	65	0	—	0	17	67
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	98	2	85	0	—	0	6	94
150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

FEBRUARY 1963

This month was warm and slightly dry as compared with normal values of air temperature and relative humidity at Giza during February. The mean air temperature at 2 metres above ground was above normal (+1.4°C) and the mean relative humidity was below normal (—4%). The total rainfall was above normal (+1.9 mms.). The month was characterized by three short heat waves whose peaks occurred on the 6th., 14th. and 18th. of the month, and a short cold wave centred on the 24th. The 3rd heat wave was the most excessive and gave the absolute maximum air temperature, and the lowest value of relative humidity on the 18th.

The minimum air temperature at 5 cms. above grass (Libia) fell below 0°C. on three days of the month, the same number of days as in February 1962. The duration of air temperature below °C on these days together with the actual values of minimum air temperatures are given in the following table :—

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
17	—1.6	2.5	0.5	0.0
18	—1.8	0.5	0.5	0.0
28	—0.5	0.5	0.0	0.0

The extreme maximum and minimum soil temperatures at different depths in the dry field were generally higher than the corresponding values of last year. The maximum deviation of the extreme maximum was + 2.7°C at 2 cms. depth ; and for the extreme minimum, the maximum deviation was + 2.7°C at 5 cms. depth.

The daily mean wind speed at 2 metres above ground was lower than last February (0.7 m/sec.). The mean daily values of Piche evaporation, water pan evaporation, potential evaporation and potential evapotranspiration were + 0.9, — 0.07, — 0.7, — 0.2 mms. respectively than the corresponding values of last February. The total actual duration of bright sunshine was + 39.5 hours higher than the corresponding value for February 1962.

REVIEW OF AGRO-METEOROLOGICAL STATION AT TAHRIR

FEBRUARY 1963

This month as a whole, was rather warm and sunny. Moreover it was characterized with heavy precipitation of 14 mms. on the 10th., though it was rather dry.

Deviations from last years values were : + 1.9°C + 49 hrs, + 11.2 mms. for mean air temperature, total actual sunshine duration, and total rainfall respectively. Total global radiation was also increased by 1100 langleys.

Mean relative humidity and vapour pressure differed only by + 1% and + 0.7 mm. respectively. Mean Piche evaporation was higher by 0.5 mm. while mean pan "A" evaporation was lower by 0.7 mm. Mean daily wind speed at 2 metres was much less compared with last year, being 3.0 m/sec. against 3.9 m/sec.

Comparing extreme soil temperatures from the surface down to/1 metre, we find that the maxima were lower this year in the superficial layer 0 to 2 cms. by 0.8 to 1.2°C, but successively higher with depths after that (+1.9°C) at 1 metre). As for the minima, no appreciable difference occurred in the same superficial layer, while the values were significantly higher in the deeper layers (+0.7 to + 2.1°C).

It is noteworthy that at 6 metres depth, the highest and lowest temperatures were still more than the corresponding values of last year by 0.6 and 0.5 degrees which is a decidedly significant difference.

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

GIZA — FEBRUARY 1963.

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	19.7	5.6	13.4	11.9	15.7	24.0	24.0	24.0	17.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0
2	20.7	5.5	13.2	11.0	15.5	24.0	24.0	24.0	16.0	9.5	0.5	0.0	0.0	0.0	0.0	0.0
3	22.0	5.5	13.6	11.5	16.2	24.0	24.0	24.0	17.0	11.0	4.5	0.0	0.0	0.0	0.0	0.0
4	22.0	9.7	14.2	12.8	15.9	24.0	24.0	24.0	24.0	8.5	3.5	0.0	0.0	0.0	0.0	0.0
5	26.5	4.9	15.1	12.0	18.5	24.0	24.0	24.0	24.0	14.5	8.0	0.5	0.0	0.0	0.0	0.0
6	26.6	9.8	17.8	14.5	21.1	24.0	24.0	24.0	24.0	15.5	8.0	2.0	0.0	0.0	0.0	0.0
7	23.5	13.2	17.3	16.2	19.5	24.0	24.0	24.0	24.0	16.0	5.5	0.0	0.0	0.0	0.0	0.0
8	20.0	10.8	15.1	13.9	16.9	24.0	24.0	24.0	24.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0
9	21.8	6.8	14.1	12.9	16.9	24.0	24.0	24.0	20.0	9.0	1.5	0.0	0.0	0.0	0.0	0.0
10	19.7	9.1	14.0	11.7	16.3	24.0	24.0	24.0	22.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0
11	20.2	12.1	14.7	13.5	15.7	24.0	24.0	24.0	24.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
12	20.7	9.5	14.1	13.1	16.6	24.0	24.0	24.0	23.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0
13	25.0	8.4	15.3	11.1	18.6	24.0	24.0	24.0	20.5	11.5	5.0	0.0	0.0	0.0	0.0	0.0
14	27.0	10.2	17.1	14.0	21.2	24.0	24.0	24.0	24.0	11.5	7.5	2.5	0.0	0.0	0.0	0.0
15	23.0	8.4	15.6	13.2	18.4	24.0	24.0	24.0	23.5	11.5	4.5	0.0	0.0	0.0	0.0	0.0
16	21.7	6.2	13.5	11.1	16.9	24.0	24.0	24.0	16.0	9.5	0.5	0.0	0.0	0.0	0.0	0.0
17	24.0	5.3	14.9	10.1	18.4	24.0	24.0	24.0	16.0	13.5	7.5	0.0	0.0	0.0	0.0	0.0
18	28.0	4.8	14.5	12.1	18.5	24.0	24.0	24.0	15.5	9.5	7.0	2.5	0.0	0.0	0.0	0.0
19	24.5	12.7	17.2	13.9	20.4	24.0	24.0	24.0	24.0	12.5	8.0	0.0	0.0	0.0	0.0	0.0
20	22.0	9.2	14.8	13.4	17.1	24.0	24.0	24.0	23.5	10.5	1.5	0.0	0.0	0.0	0.0	0.0
21	23.3	7.3	16.1	12.3	18.8	24.0	24.0	24.0	22.0	15.0	7.0	0.0	0.0	0.0	0.0	0.0
22	21.8	9.4	15.9	15.8	18.0	24.0	24.0	24.0	24.0	12.5	3.0	0.0	0.0	0.0	0.0	0.0
23	23.3	9.1	15.1	12.0	17.6	24.0	24.0	24.0	24.0	11.0	4.5	0.0	0.0	0.0	0.0	0.0
24	23.7	11.9	17.0	15.2	19.6	24.0	24.0	24.0	24.0	13.5	6.5	0.0	0.0	0.0	0.0	0.0
25	20.3	6.8	13.5	11.8	15.4	24.0	24.0	24.0	19.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
26	18.2	6.2	13.0	11.2	14.8	24.0	24.0	24.0	16.5	10.5	0.0	0.0	0.0	0.0	0.0	0.0
27	19.8	9.6	14.8	13.8	16.1	24.0	24.0	24.0	23.5	9.5	0.0	0.0	0.0	0.0	0.0	0.0
28	21.5	5.1	13.7	11.0	16.2	24.0	24.0	24.0	16.5	13.0	0.5	0.0	0.0	0.0	0.0	0.0
Total ...	—	—	—	—	—	672.0	672.0	672.0	592.5	315.0	94.5	7.5	0.0	0.0	0.0	0.0
Mean ...	22.5	8.4	15.0	12.8	17.5	24.0	24.0	24.0	21.2	11.2	3.4	0.3	0.0	0.0	0.0	0.0

Highest maximum at 2 metres 28.0 °C on 18 th. Highest minimum at 2 metres 13.2 °C on 7 th

Lowest „ „ 2 „ 18.2 °C on 26 th. Lowest „ „ 2 „ 4.8 °C on 18 th.

Absolute minimum temperature at 5 cms. above dry soil — 0.5 °C on 18 th.

„ „ „ „ wet „ 1.3 °C „ 17 th.

„ „ „ „ grass — 1.8 °C „ 18 th.

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

TAHRIR—FEBRUARY 1963

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
1	20.6	5.0	12.3	10.0	15.5	24.0	24.0	24.0	14.0	8.5	0.0	0.0	0.0	0.0	0.0
2	20.8	4.8	12.7	9.3	16.0	24.0	24.0	24.0	15.0	9.0	0.0	0.0	0.0	0.0	0.0
3	21.4	6.6	13.4	10.6	16.9	24.0	24.0	24.0	15.5	9.5	4.0	0.0	0.0	0.0	0.0
4	25.3	7.9	13.6	11.0	16.1	34.0	24.0	24.0	16.5	8.5	3.5	0.0	0.0	0.0	0.0
5	28.9	7.2	15.6	11.7	19.1	24.0	24.0	24.0	16.5	15.0	7.0	4.0	0.0	0.0	0.0
6	26.9	11.7	18.2	15.3	21.7	24.0	24.0	24.0	24.0	16.0	8.0	1.5	0.0	0.0	0.0
7	22.2	12.8	17.0	15.8	19.1	24.0	24.0	24.0	24.0	17.5	5.0	0.0	0.0	0.0	0.0
8	21.2	10.3	15.2	13.9	17.3	24.0	24.0	24.0	24.0	11.5	0.5	0.0	0.0	0.0	0.0
9	22.2	11.7	15.4	13.6	17.8	24.0	24.0	24.0	24.0	10.5	2.5	0.0	0.0	0.0	0.0
10	20.8	9.8	13.9	12.4	15.7	24.0	24.0	24.0	24.0	5.5	0.5	0.0	0.0	0.0	0.0
11	18.9	11.6	14.5	13.4	15.9	24.0	24.0	24.0	24.0	8.0	0.0	0.0	0.0	0.0	0.0
12	19.8	10.4	14.4	13.0	16.1	24.0	24.0	24.0	24.0	8.0	0.0	0.0	0.0	0.0	0.0
13	24.2	11.0	16.6	13.0	19.4	24.0	24.0	24.0	24.0	12.5	7.0	0.0	0.0	0.0	0.0
14	25.3	9.6	17.2	14.5	20.5	24.0	24.0	24.0	24.0	14.0	8.0	0.0	0.0	0.0	0.0
15	21.8	11.0	15.9	14.4	18.9	24.0	24.0	24.0	24.0	11.0	5.0	0.0	0.0	0.0	0.0
16	22.6	9.6	14.8	12.7	17.4	24.0	24.0	24.0	23.5	10.0	3.0	0.0	0.0	0.0	0.0
17	22.6	8.0	14.8	11.7	18.3	24.0	24.0	24.0	18.5	11.0	6.0	0.0	0.0	0.0	0.0
18	26.3	7.9	15.1	11.5	18.1	24.0	24.0	24.0	15.0	12.0	6.0	0.5	0.0	0.0	0.0
19	21.8	13.3	17.2	15.7	19.0	24.0	24.0	24.0	24.0	21.0	5.5	0.0	0.0	0.0	0.0
20	22.1	10.4	15.5	14.1	17.9	24.0	24.0	24.0	24.0	11.0	3.5	0.0	0.0	0.0	0.0
21	24.6	11.0	17.4	13.1	20.2	24.0	24.0	24.0	24.0	15.5	9.5	0.0	0.0	0.0	0.0
22	20.8	11.3	15.9	16.7	17.5	24.0	24.0	24.0	24.0	10.5	2.0	0.0	0.0	0.0	0.0
23	22.8	9.5	15.2	12.3	18.2	24.0	24.0	24.0	24.0	10.5	5.5	0.0	0.0	0.0	0.0
24	22.7	10.4	15.3	13.7	17.9	24.0	24.0	24.0	24.0	10.5	3.5	0.0	0.0	0.0	0.0
25	19.8	9.4	13.5	12.3	15.8	24.0	24.0	24.0	23.0	8.5	0.0	0.0	0.0	0.0	0.0
26	18.2	6.5	12.7	9.9	15.2	24.0	24.0	24.0	16.0	8.5	0.0	0.0	0.0	0.0	0.0
27	20.8	9.3	13.8	12.1	16.3	24.0	24.0	24.0	21.5	9.0	0.0	0.0	0.0	0.0	0.0
28	23.2	6.0	13.7	10.1	17.0	24.0	24.0	24.0	16.5	10.5	2.0	0.0	0.0	0.0	0.0
Total ..	—	—	—	—	—	672.0	672.0	672.0	595.5	313.5	97.5	6.0	0.0	0.0	0.0
Mean ..	22.4	9.4	15.0	12.8	17.7	24.0	24.0	24.0	21.3	11.2	3.5	0.2	0.0	0.0	0.0

Highest Maximum at 2 metres 26.3°C on 5th — Highest Minimum at 2 metres 13.3°C on 19th.

Lowest Maximum at 2 mertes 18.2°C on 26th — Lowest Minimum at 2 metres 4.8°C on 2 nd.

Absolute minimum temperature at 5 cms. above dry soil 1.3 °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 — FEBRUARY 1963

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	1.6	0.9	2.4	342	9.5	10.8	88	0	7	72	36	6.6	5.9	8.6	4.36	0.0
2	2.0	1.1	3.3	362	9.6	10.8	89	7	8	79	38	7.3	6.5	10.5	4.72	0.0
3	2.2	2.0	2.5	338	8.8	10.8	81	9	11	87	51	8.7	9.4	5.5	2.95	0.0
4	1.5	1.1	2.1	298	6.1	10.8	56	14	15	87	51	9.4	9.2	4.6	2.61	0.0
5	1.0	0.5	1.8	312	6.3	10.9	58	9	9	78	34	7.6	7.7	10.4	3.72	tr.
6	0.9	0.9	1.0	251	4.1	10.9	38	0	0	42	30	6.4	7.3	12.5	3.50	0.0
7	2.6	1.9	3.7	336	8.4	10.9	77	0	0	50	39	6.9	7.8	9.4	5.06	0.0
8	1.1	0.6	1.8	200	3.2	10.9	29	0	0	58	47	7.1	7.3	6.4	2.57	0.0
9	0.9	0.4	1.5	373	9.2	11.0	84	0	7	68	39	6.9	6.4	7.1	4.10	0.0
10	1.5	0.6	2.8	156	2.5	11.0	22	0	5	72	59	8.2	8.2	5.7	1.79	3.1
11	4.3	3.5	5.3	199	2.7	11.0	25	0	7	76	61	9.2	9.9	7.0	3.05	tr.
12	2.3	1.9	3.0	309	5.8	11.0	53	0	9	74	43	7.6	7.4	6.9	4.25	0.0
13	1.6	0.8	2.6	406	10.2	11.0	93	0	6	64	38	7.6	7.5	8.5	3.71	0.0
14	0.9	0.5	1.3	397	10.3	11.1	93	0	0	64	26	7.4	6.4	9.6	4.57	0.0
15	2.6	1.0	4.8	314	6.3	11.1	57	0	0	50	47	7.2	9.1	12.0	4.90	0.0
16	1.0	0.4	1.7	387	9.6	11.2	86	0	10	66	40	7.2	6.8	6.3	3.44	0.0
17	1.1	0.0	2.6	408	10.2	11.2	91	6	8	58	29	6.5	6.0	11.6	5.53	0.0
18	1.1	1.1	1.0	406	8.9	11.2	79	9	10	80	29	7.0	6.6	10.7	3.96	0.0
19	2.0	1.3	3.1	394	10.0	11.2	89	0	0	60	55	9.0	11.3	9.2	6.08	0.0
20	1.3	1.0	1.8	396	10.4	11.3	92	0	9	74	49	8.5	8.4	6.3	3.72	0.0
21	1.7	0.4	3.5	425	10.5	11.3	93	0	6	62	35	7.4	7.1	15.3	6.00	0.0
22	3.1	2.4	4.2	429	9.5	11.3	84	0	0	52	27	5.8	4.9	13.3	6.83	0.0
23	1.3	0.8	2.0	393	7.8	11.4	70	0	0	46	31	5.5	6.0	11.7	3.29	0.0
24	1.5	0.8	2.5	417	10.0	11.4	88	0	0	55	32	6.9	6.3	10.9	6.86	0.0
25	1.9	1.5	2.4	359	7.6	11.4	67	0	0	62	43	7.0	6.5	7.6	3.98	0.0
26	1.6	1.0	2.4	241	3.8	11.4	33	4	9	76	45	7.4	6.6	8.7	3.35	1.8
27	2.0	1.8	2.2	408	9.2	11.4	81	0	4	66	42	7.4	6.7	7.0	4.60	0.0
28	1.2	0.9	1.6	403	10.3	11.4	90	8	9	67	39	5.8	6.5	8.6	4.28	0.0
TOTAL	—	—	—	9662	220.8	311.1	1986	66	149	—	—	—	—	252.8	117.72	4.9
MEAN	1.7	1.1	2.5	345	9.7	11.1	71	2.4	5.3	66	41	7.4	7.3	9.0	4.20	0.2

Maximum amount of rainfall in one day ... ... 3.1 mm on 10th.
Lowest value of relative humidity ... ... 19 % on 18th.
Highest value of vapour pressure ... ... 11.3 mms. on 19th.
Lowest value of vapour pressure ... ... 4.3 mms. on 23rd.

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 — FEBRUARY 1963

Date	Wind speed metres per second			Solar + sky radiation gm. cal / cm2	Duration of bright sunshine in hours			Relative humidity hours of duration		Relative humidity %		Vapour pressure in millimetres		Evaporation in millimetres		Amount of rainfall in millimetres
	Mean of the day	Night Time Mean	Day time mean		Total actual	Total possible	Percentage %	> 90%	> 80%	Mean of the day	at 1200 U.T.	Mean of the day	at 1200 U.T.	Piche	Pan class (A)	
1	1.7	1.2	2.4	346	10.2	10.7	95	6	10	77	39	7.0	6.3	6.0	3.69	0.0
2	2.3	1.4	3.6	324	9.6	10.8	89	8	11	80	44	7.8	7.5	8.3	4.58	0.0
3	2.8	2.3	3.6	338	10.1	10.8	94	9	12	84	45	8.6	8.2	6.6	3.46	0.0
4	1.8	1.8	1.8	290	6.5	10.8	60	12	14	87	51	9.3	9.7	4.9	2.53	0.0
5	1.7	1.0	2.5	305	6.4	10.8	59	10	10	81	26	8.0	6.7	9.8	4.88	0.0
6	1.8	1.3	2.6	234	3.2	10.8	30	0	0	52	34	7.5	7.6	13.7	6.76	0.0
7	3.9	2.2	6.4	342	8.4	10.9	77	0	0	58	43	8.1	8.1	13.9	8.06	tr.
8	3.6	2.9	4.3	283	4.2	10.9	39	0	0	68	35	6.0	7.2	12.0	7.23	0.0
9	2.3	1.8	3.0	376	8.9	10.9	82	0	3	70	39	7.8	6.8	8.6	5.29	tr
10	3.1	1.9	4.6	128	0.9	11.0	08	5	12	74	64	8.7	8.9	7.5	3.77	14.0
11	6.9	5.7	8.5	345	6.5	11.0	59	3	13	82	66	9.7	10.4	8.1	4.16	0.8
12	5.3	5.0	5.7	291	4.6	11.0	42	2	9	82	51	8.8	8.3	8.5	3.94	0.0
13	3.0	2.5	3.8	386	10.6	11.0	96	0	2	66	30	7.7	6.5	13.1	6.50	0.0
14	2.2	1.6	3.0	387	10.7	11.0	97	0	3	70	34	8.3	7.5	12.7	6.12	0.0
15	4.6	2.7	7.2	314	7.2	11.1	65	0	1	53	47	7.3	8.6	15.9	7.91	0.0
16	2.8	2.6	3.1	386	10.1	11.1	91	0	6	70	35	7.2	6.3	7.6	4.78	0.0
17	2.0	1.3	3.0	392	10.6	11.2	95	5	10	73	38	7.9	7.4	7.7	3.96	0.0
18	1.9	1.9	2.0	365	7.1	11.2	63	5	8	82	31	8.2	6.6	10.6	4.75	0.0
19	3.6	2.4	5.3	385	9.2	11.2	82	0	1	65	54	9.3	10.2	9.1	5.73	0.0
20	2.8	2.5	3.2	392	10.5	11.2	94	2	11	79	42	8.8	7.7	9.2	5.87	0.0
21	3.4	2.3	4.6	416	10.8	11.2	96	0	6	48	26	6.1	5.6	22.2	10.47	0.0
22	5.2	4.2	6.6	419	10.2	11.3	90	0	2	55	30	6.1	5.1	16.4	8.67	0.0
23	2.6	1.9	3.6	396	9.5	11.3	84	0	2	48	24	5.2	4.6	13.5	7.39	0.0
24	2.8	1.7	4.4	371	8.9	11.4	78	0	4	68	39	7.8	7.3	14.8	7.33	tr.
25	4.1	3.9	4.4	355	8.3	11.4	73	0	2	69	45	7.0	6.6	9.1	5.40	0.0
26	1.7	1.0	2.6	273	3.3	11.4	29	5	9	72	48	7.7	7.1	7.1	2.99	0.0
27	2.3	1.5	3.4	412	9.6	11.4	84	0	8	74	39	7.5	6.5	7.7	4.05	0.0
28	1.6	1.1	2.3	422	10.8	11.5	94	3	7	66	36	7.2	6.5	6.7	3.89	0.0
Total.	—	—	—	9673	226.9	310.3	2045	75	176	—	—	—	—	291.3	154.16	14.8
Mean	3.0	2.3	4.0	345.5	8.1	11.1	73	2.7	6.3	70	41	7.8	7.3	10.4	5.51	0.5

Maximum amount of rainfall in one day	14.0	mms on	10th.
Lowest value of relative humidity	18	% on	5th.
Highest value of vapour pressure	12.2	mms. on	19th.
Lowest value of vapour pressure	4.2	mms. on	23rd.

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

GIZA — FEBRUARY 1963

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0·3	43.0	2.5	25.1	6.0	22.8	8.8
1	40.0	3.4	23.5	6.0	21.2	8.4
2	38.2	4.7	22.8	6.7	20.0	8.8
5	27.5	10.2	20.0	8.4	18.5	10.4
10	23.3	13.9	19.0	10.0	17.4	11.6
20	20.6	16.7	17.6	11.7	16.4	13.1
50	20.4	18.4	16.2	13.7	16.6	14.9
100	21.1	20.5	17.4	15.8	17.3	16.7
200	23.7	22.8	19.3	18.8	20.4	19.6
300	25.2	24.2	—	—	—	—

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

TAHRIR — FEBRUARY 1963

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	34.0	4.1	—	—	—	—
1	32.2	5.0	—	—	—	—
2	31.6	5.0	—	—	—	—
5	27.8	7.0	—	—	—	—
10	24.3	9.9	—	—	—	—
20	21.4	12.5	—	—	—	—
50	18.8	15.6	—	—	—	—
100	19.3	17.9	—	—	—	—
200	21.0	20.4	—	—	—	—
300	22.4	21.6	—	—	—	—
600	25.3	24.8	—	—	—	—

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

GIZA — FEBRUARY 1963

10 Knots or more ...	18 Days	30 Knots or more ...	0 Days.
15 " " ...	7 "	35 " " ...	0 "
20 " " ...	3 "	40 " " ...	0 "
25 " " ...	0 "	The highest gust 29 knots on 11th.	

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

TAHRIR — FEBRUARY 1963

10 Knots or more	22 Days	30 Knots or more	1 days
15 " " "	12 "	35 " " "	0 "
20 " " "	7 "	40 " " "	0 "
25 " " "	2 "	The Highest Gust 38 Knots on 11th.	

G.O., Govt. Printing Offices 5509-1964-150 ex.

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 6 NUMBER 3

MARCH, 1963

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—16
« A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Blub Temperatures and Grass Minimum	17
« A 7.—Soil Temperatures at Fixed Hours	18—22
« A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena	23—24
« A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges	25—27
« A10.—Number of Occurences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours	28—53
Upper Air Data	
TABLE B 1.—Upper Air Climatological Data	54—56
« B 2.—Mean and Extreme Values of the Freeznig Level and the Tropopause : the Highest Wind Speed in the Upper Air	57—58
« B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces	59—64
Agro-Meteorological Data	
Review of Agro-Meteorological Stations at Giza and Tahrir	65—66
TABLE C 1.—Air Temperatures at 2 Metres above Ground ; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields	67—68
« C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall	69—70
« C 3.—Extreme Soil Temperatures at Different Depth in Different Fields	71
« C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity	72

Note :—For explanatory notes on the tables, please refer to volume 6 number 1 (January 1963)

GENERAL SUMMARY OF WEATHER CONDITIONS

MARCH 1963

Changeable, rather cold during the first three weeks, marked warmth otherwise. Abnormal monthly rainfall over the northern parts associated with thunderstorms on the 15th along the Mediterranean coast. Widespread sandstorms or rising sand on the 4th.

THE MAIN FEATURES

— Two marked cold spells during the first three weeks, two prevailing warm peaks round the 23rd and 28th.

— Oscillatory relative humidity characterized with large variability over the northern parts of the Republic. Relatively low values of relative humidity in the middlle and southern parts.

— Slightly high monthly rainfall over the northern parts, subnormal rainfall elsewhere.

— Six transits of secondary Mediterranean depressions or troughs of low pressure through East Mediterranean.

— Scattered thundery cells along the Mediterranean coast on the 15th.

— Gale wind over the Canal zone on the 4th.

GENERAL DESCRIPTION OF WEATHER

This month was rather cold during the first three weeks. Two marked cold spells were experienced during the periods (3rd—11th) and (15th—21st) with maximum temperatures ranging between 4 & 9 °C below normal. These two cold spells were intervened by a khamsin wave of moderate intensity. Another two khamsin disturbances of marked intensity prevailed towards the end of the month with peaks round the 23rd and the 28th (deviation of maximum temperature from normal ranged between 5& 10 °C).

Widespread scattered sandstorms blew in general round the 4th.

Rain fell within the first two decades and was mainly confined to the Mediterranean and Lower Egypt districts. Over the northern parts of the Republic, the monthly rainfall exceeded slightly its normal.

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					
	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	1016.8	+1.3	20.3	—0.2	10.5	—0.3	15.4	—0.2	62	—6	11.6	+0.7
Lower Egypt	1017.0	+1.8	22.2	—1.0	8.5	—0.7	15.4	—0.1	60	—9	4.6	—1.0
Cairo Area	1017.0	+1.6	23.3	—0.4	10.2	—0.2	16.8	—0.3	46	—9	0.6	—2.4
Upper Egypt	1015.9	+1.5	27.0	—0.2	9.9	—0.1	18.4	—0.2	37	—6	0.0	—0.1
Western Desert	1016.8	+0.5	26.1	—0.1	8.9	—0.5	17.5	—0.3	29	—12	0.1	—0.1
Red Sea	1014.7	+0.8	25.0	—0.3	15.0	—0.1	20.0	—0.4	40	—14	0.4	—0.8

Note : The above monthly district means for atmospheric pressure and relative humidity are computed from the corresponding means for all stations that take daily 24 hourly observations in each district

PRESSURE DISTRIBUTION

During the first week the warm ridge of high pressure was covering West Europe, while a cold trough of low pressure was extending from north Russia southwards all the way to Eastern Mediterranean.

The 1st Mediterranean secondary depression was evident south of Italy on the 1st day, fairly slowly moved eastwards while considerably deepening. It traversed East Mediterranean on the 4th, then the barometric pressure rose steadily attaining its maximum value for the whole month (about 10 mbs. above normal) round the 8th.

The 2nd Mediterranean secondary depression was formed on the 12th north of Italy in the lee side of the Alps, rapidly moved ESE while filling. It passed by Crete on the 13th, then recurved ENE and traversed East Mediterranean on the 14th.

During the period between the 15th & 20th a complex low pressure system was acting over the Mediterranean. A low of this family depressions was formed over Crete on the 16th; it slightly deepened and crossed East Mediterranean on the 17th while another low was formed south of Italy on the 17th also. It slowly moved eastwards with marked deepening and reached Crete on the 19th, then continued moving eastwards while filling and crossed East Mediterranean on the 21st.

The 5th secondary Mediterranean depression was formed north of Italy at the lee side of the Alps on the 21st, moved slowly sotherly reaching south Italy in about 48 hours with no appreciable change in intensity, then rapidly moved eastwards with marked filling and traversed East Mediterranean on the 24th.

The 6th secondary Mediterranean depression was formed over central Mediterranean on the 26th, moved slowly eastwards while deepening and traversed East Mediterranean on the 29th causing the maximum sudden drop in the barometric pressure for the whole month below its normal (about 10 mbs.)

All the above mentioned depressions had vertical reflections up to about 100mb level in the form of troughs of low pressure.

The polar and subtropical jet streams were both evident in the upper troposphere round 300 & 170 mbs. levels respectively.

The polar jet stream oscillated between 45 & 65 °N while the subtropical jet stream oscillated between 20 & 30 °N.

Meanwhile, round the 4th, 15th, 17th and 28th when the travelling upper troughs of cold air penetrated southwards to about latitude 20 °N, the polar jet stream has been displaced southwards to about latitude 35 °N. On the other hand, round the 14th, 23rd and 28th, when the heat waves were prevailing over NE Africa, the subtropical jet stream has been displaced northwards to about 35 °N.

The highest wind speeds recorded at Mersa Matruh, Helwan and Aswan were 163, 158, 162 knots on the 1st, 7th and 27th respectively.

SURFACE WIND

The prevailing winds this month were light / moderate : N / Ely round the periods (1st — 2nd) & (7th — 8th), S / W ly round the periods (21st — 24th) & (27th — 29th) and W / N ly otherwise.

Fresh to strong winds blew in association with the frontal transits in general and were frequent over the western part of the Mediterranean district and the coastal strip of the Red Sea district.

Calms were frequent during the night and early morning hours over most of the southern parts of the Upper Egypt and Western Desert districts.

Gales were reported at Mersa Matruh, Dabaa and Port Said on the 4th and at Abu Sueir and Fayed on the 4th & 15th.

TEMPERATURE

During the first and second decades, two prolonged cold waves prevailed. A warm spell of short duration separated them. During the third decade, a marked heat wave of long duration prevailed.

During the 1st cold wave maximum temperature attained its absolute minimum values for the whole month round the 6th : 13 °C in sidi Barrani; 15 °C in Dabaa, Port Said and Ghazza; 16 °C in Tanta and Almaza.

Round the 28th maximum temperature attained its climax 29 °C at Dabaa; 31 °C at Tanta and Zagazig; 36 °C at Inshas; 38 °C at Luxor and 39 °C at Dakhla and Kharga which were absolute maximum values for these localities during the month.

The absolute maximum temperature for the Republic was 39.2 °C at Dakhla on the 28th.

Minimum temperatures oscillated much below normal in the first two decades, while it oscillated much above normal in the last decade.

On the 7th minimum temperatures reached 2.0 °C at Mansoura, Minya and Mallawi ; 4 °C at Imbaba, Giza and Beni Suef ; 5 °C at Abu Sueir , Wadi El Natrun, Fayoum, Asyout and Suez ; 6 °C at Zagazig and 8 °C at Fayed which were absolute minimum values for these localities during the month.

On the 28th & 29th minimum temperatures attained 13 °C at Damanhour and Tanta ; 14 °C at Dabaa and Wadi El Natrun ; 15 °C at Ras El Hikma , El Arish, Tahrir, Inshas, Imbaba and Beni Suef ; 16 °C at Mersa Matruh, Alexandria, Port Said, Fayed, Almaza, Fayoum, Kena and Dakhla ; 17 °C at Ghazza, Helwan, Farafra and Hurghada ; 18 °C at sallum, Cairo, Asyout and Suez ; 19 °C at Siwa ; 20 °C at Luxor and Aswan ; which were the highest minimum values for these localities during the month.

The absolute minimum temperature for the Republic was 2.0 °C at Mansoura on the 7th and Dakhla on the 16th.

PRECIPITATION

Rain fell this month during the first and second decades, confining generally to the northern parts, though it extended southerly until Fayoum on the 15th.

It was abnormal over the Mediterranean and Lower Egypt districts and subnormal elsewhere.

It is worth to mention that rain was heavy on certain days over some localities in the Mediterranean coast : 11 mms at Ghazza and El Arish on the 5 th : 12 mms at Sidi Barrani on the 6 th ; 21 mms at Balteam on the 14th.

The absolute monthly rainfall for the Republic was 28.2 mms reported at Sidi Barrani while the absolute daily rainfall was 11.8 mms reported at Damietta L.H. on the 5th.

MISCELLANEOUS WEATHER PHENOMENA

Rain fell at : Sallum on the 4th, 6th, 8th, 15th & 18th ; Sidi Barrani on the 4th, 5th, 6th, 9th, 13th & 18th ; Mersa Matruh on the 4th, 5th, 6th, 9th & 15th ; Ras El Hikma on the 5th, 6th, 9th, 15th & 19th ; Dabaa on the 3rd, 4th, 9th & 15th ; Dekheila on the 4th, 5th, 15th & 19th ; Ras El Teen on the 5th & 15th ; Alexandria on the 4th, 5th, 9th, 10th & 15th; Balteam on

the 4th, 5th, 9th, 15th & 18th ; Damietta on the 4th, 5th, 6th, 9th, 10th, 15th & 19th ; Port Said on the 5th, 9th, 15th & 19th ; El Arish on the (4th—7th), 10th, 15th, 16th & 19th ; Ghazza on the 4th, 5th, 10th, 16th & 19th ; Sakha on the 15th ; Mansoura on the 5th, 8th, 15th & 19th ; Damanhour on the 4th, 5th, 8th & 9th ; Tanta on the 4th, 5th, 9th & 15th ; Tahrir on the 3rd, 4th, 5th & 15th ; Shebin El Kom on the 9th & 15th ; Zagazig on the 14th ; Abu Sueir, Banha, Wadi El Natrun and Inshas on the 15th ; Fayed on the 9th & 15th ; Kabrit, Mostafa Helmi, Almaza, Abbasiya, Imbaba, Giza and Helwan on the 15th ; Siwa on the 2nd and at Tor on the 18th.

Hail fell at : Sidi Barrani and Ras El Hikma on the 9th and at shebin El Kom on the 14th.

Thunderstorms occurred at : Sallum on the 15th ; Sidi Barrani on the 9th ; Mersa Matruh, Dekheila, Alexandria, El Arish and Mansoura on the 15th.

Mist patches developed at : Ras El Teen on the 21st ; Alexandria on the 11th ; El Arish on the 1st; 12th, 22nd, 24th & 31st ; Ghazza on the 1st, 14th & 21st ; Mansoura on the 2nd, 16th, 18th, 21st & 31st ; Tahrir on the 1st, 2nd, 10th, 14th, 21st & 24th ; Shebin El Kom on the 2nd & 23rd ; Abu Sueir on the 21st, 25th, 26th & 27th ; Banha on the 2nd, 11th, 13th & 23rd ; Zaher on the 8th, 9th & 21st ; Wadi El Natrun on the 25th ; Inshas on the 13th & 24th ; Fayed on the 14th ; Cairo on the 1st, 8th, 13th, 18th & 26th ; Mostafa Helmi on the 2nd, 10th, 11th, 14th, 16th, 21st, 23rd, 25th, 26th & 31st ; Abbasiya on the 13th ; Imbaba on the 14th & 25th ; Giza on the 14th & 25th and at Minya on the 5th & 16th.

Fog patches developed at : Ras El Teen on the 23rd ; Alexandria on the 2nd, 13th, 14th & 23rd ; El Arish on the 13th & 23rd ; Ghazza on the 25th ; Mansoura on the 14th & 23rd ; Tahrir on the 13th & 23rd , Abu Sueir on the 13th, 14th & 23rd ; Inshas on the 14th ; Mostafa Helmi, Imbaba and Giza on the 13th and at Quseir on the 1st, 15th, 16th, 17th, 23rd, 29th & 30th.

Local rising sand or dust was reported at : Sallum on the 5th, 7th, 23rd, 27th & 28th ; Sidi Barrani on the 22nd & 28th , Mersa Matruh on the 4th, 14th, 15th, 20th, 23rd, 28th, 29th & 30th ; Ras El Hikma on the 4th, 20th, 23rd, 28th & 29th ; Dabaa on the 4th, 9th, 14th, 17th, 20th, 22nd, 24th, 28th, & 29th ; Dekheila on the 4th & 20th ; Ras El Teen on the 20th; Alexandria on the 4th & 20th ; Port Said on the 4th, 5th 19th & 29th ; El Arish on the 4th, 20th & 29th ; Ghazza on the 4th, 15th, 16th & 29th ; Mansoura on the 4th & 29th ; Tahrir on the 4th, 15th & 20th ; Shebin El Kom on the 4th ; Abu Sueir on the 4th, 5th, 14th, 15th, 20th, 24th, 28th & 29th ; Banha on the 4th & 20th ; Zaher on the 4th, 20th, 28th, 29th & 30th ; Wadi El Natrun on the 4th, 15th & 20th ; Inshas on the 4th, 20th, 28th, & 29th ; Fayed on the 4th, 15th, 24th & 29th ; Kabrit on the 4th, 5th, 15th & 29th ; Cairo on the 4th, 14th, 20th, 28th & 29th ; Mostafa Helmi on the (3rd—6th), 9th, 14th, 15th, 18th, 20th, 23rd, 24th, 28th & 29th ; Almaza on the 4th, 12th, 15th, 20th, 28th & 29th , Abbasiya on the 4th, 5th, 14th & 15th ; and at Imbaba on the 4th, 15th & 27th ;

Sand or duststorms blew over : Sallum on the 28th ; Sidi Barrani on the 23rd ; Mersa Matruh on the 4th, 14th, 20th, 23rd, 27th, 28th & 29th ; Ras El Hikma on the 28th ; Dabaa on the 4th ; Dekheila on the 20th ; Alexandria on the 20th & 28th ; El Arish and Mansoura on the 4th ; Tahrir on the 15th ; Abu sueir on the 4th & 15th ; Wadi El Natrun on the 15th & 28th ; Fayed on the 4th ; Kabrit on the 4th & 15th ; Cairo, Mostafa Helmi and Imbaba on the 15th ; and over Luxor on the 15th & 29th.

Cairo, JUNE 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.

MARCH 1963

District	Station	Altitude of Hp. (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	0000 U.T. Dev. from nor.	0600 U.T. Mean	0600 U.T. Dev. from nor.	1200 U.T. Mean	1200 U.T. Dev. from nor.	1800 U.T. Mean	1800 U.T. Dev. from nor.	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 nor.	0600 U.T. Mean	0600 U.T. Dev. from nor.	1200 U.T. Mean	1200 U.T. Dev. from nor.	1800 U.T. Mean	1800 U.T. Dev. from nor.
MEDITERRANEAN	Sallum	6.0	1016.3	—	1016.5	+1.3	1016.1	+1.5	1016.2	+1.5	5.2	1016.8	—	1017.0	+1.4	1016.6	+1.6	1016.7	+1.6
	Sidi Barrani	22.8	1013.9	+1.7	1013.7	+1.3	1013.4	+1.4	1013.5	+1.5	24.0	1016.5	+1.7	1016.3	+1.3	1016.0	+1.4	1016.4	+1.5
	Mersa Matruh ... (A)	30.0	1013.5	+1.5	1013.5	+1.3	1013.2	+1.5	1013.6	+1.4	30.0	1017.2	+1.5	1017.2	+1.3	1016.9	+1.5	1017.3	+1.5
	Ras El Hikma	45.8	1010.9	—	1011.4	—	1010.9	—	1011.2	—	45.8	1016.5	—	1017.0	—	1016.4	—	1016.6	—
	Dabaa	18.0	1014.0	—	1014.1	—	1013.4	—	1014.0	—	17.8	1016.0	—	1016.1	—	1015.4	—	1016.0	—
	Dekheila ... ...(A)	6.0	1016.7	—	1016.7	—	1016.2	—	1016.6	—	5.9	1017.4	—	1017.4	—	1016.9	—	1017.3	—
	Ras El Teen	8.4	1016.3	—	1016.4	—	1015.9	—	1016.3	—	8.4	1017.3	—	1017.4	—	1016.9	—	1017.3	—
	Alexandria ... (A)	7.0	1016.4	+2.0	1016.6	+1.7	1015.8	+1.5	1016.4	+1.7	6.8	1017.2	+2.0	1017.4	+1.7	1016.6	+1.5	1017.2	+1.7
	Balteam	2.0	1017.0	—	1017.2	—	1016.6	—	1017.1	—	2.0	1017.2	—	1017.4	—	1016.8	—	1017.3	—
	Damietta	5.0	1016.8	—	1017.1	+1.9	1016.2	+1.5	1016.9	+1.7	5.0	1017.2	—	1017.5	+1.9	1016.6	+1.5	1017.3	+1.7
	Port Said ... ... (A)	7.4	1016.0	+1.5	1016.4	+1.4	1015.6	+1.3	1016.2	+1.5	6.1	1016.7	+1.5	1017.1	+1.4	1016.3	+1.3	1016.9	+1.5
	El Arish	17.1	1015.0	+2.1	1015.5	+1.5	1014.4	+1.2	1015.0	+1.2	17.1	1016.9	+2.1	1017.4	+1.5	1016.3	+1.2	1016.9	+1.2
	Ghazza	15.7	1014.9	—	1015.3	—	1014.4	—	1015.0	—	15.7	1016.8	—	1017.3	—	1016.3	—	1016.9	—
LOWER EGYPT	Mansoura	4.0	1017.0	—	1017.6	+2.9	1016.2	+2.4	1017.1	+2.4	3.6	1017.4	—	1018.0	+2.9	1016.6	+2.4	1017.5	+2.4
	Damanhour	6.7	1016.4	—	1016.8	+1.2	1016.1	+1.9	1016.6	+1.1	6.7	1017.4	—	1017.5	+1.2	1016.8	+2.0	1017.2	+1.0
	Tanta	14.8	1015.4	—	1015.6	+0.7	1014.5	+1.1	1015.5	+1.2	15.4	1016.6	—	1016.8	+0.7	1015.7	+1.1	1016.7	+1.2
	Tahrir	16.0	1014.8	—	1015.2	—	1014.0	—	1014.8	—	18.6	1017.0	—	1017.5	—	1016.2	—	1017.0	—
	Shebin El Kom	13.1	1015.3	—	1015.8	+1.1	1014.5	+1.0	1015.1	+0.7	13.8	1016.8	—	1017.3	+1.1	1016.0	+1.0	1016.6	+0.7
	Zagazig	13.0	1016.0	—	1016.4	+1.6	1014.9	+1.5	1016.0	+1.7	13.0	1017.6	—	1018.0	+1.6	1016.5	+1.5	1017.6	+0.7
	Abu Sueir ... ... (A)	16.0	1015.5	—	1016.0	—	1014.3	—	1015.6	—	16.0	1017.5	—	1018.0	—	1016.2	—	1017.5	—
	Banha	14.9	1015.2	—	1015.6	—	1014.2	—	1015.1	—	14.9	1017.0	—	1017.4	—	1016.0	—	1016.9	—
	Zaher ... ... (A)	23.5	1012.9	—	1013.4	—	1012.1	—	1012.6	—	23.3	1016.6	—	1017.1	—	1015.6	—	1016.3	—
	Wadi El Natrun	0.9	1017.9	—	1018.2	+2.7	1016.9	+3.1	1017.9	+3.0	0.9	1018.0	—	1018.3	+2.7	1017.0	+3.1	1018.0	+3.0
	Inshas ... ... (A)	25.5	1012.6	—	1013.1	—	1011.6	—	1012.5	—	25.6	1015.7	—	1016.2	—	1014.7	—	1015.6	—
	Fayed ... ... (A)	35.0	1015.2	—	1015.7	—	1014.0	—	1015.2	—	35.0	1017.8	—	1018.3	—	1016.6	—	1017.7	—
	Kabrit ... ... (A)	4.9	1016.2	—	1016.8	—	1015.1	—	1015.9	—	4.8	1017.6	—	1018.2	—	1016.5	—	1017.3	—

Table A 1. — (Contd.) MONTHLY MEAN VALUES OF ATMOSPHERIC PRESSURE AT FIXED HOURS CORRECTED TO «H P» AND TO MEAN SEA LEVEL.

MARCH 1963

District	Station	Altitude of Hp. (meteres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	Dev. from nor.	0600 U.T. Mean	Dev. from nor.	1200 U.T. Mean	Dev. from nor.	1800 U.T. Mean	Dev. from nor.	Altitude of the barom. cistern (metres)	Mean Sea Level Pressure (mb.) (Corrected to M.S.L.) 0000 U.T. Mean	Dev. from nor.	0600 U.T. Mean	Dev. from nor.	1200 U.T. Mean	Dev. from nor.	1800 U.T. Mean	Dev. from nor.
CAIRO AREA	Cairo ... ... (A)	74.5	1009.3	+2.6	1009.8	+1.6	1008.4	+1.2	1009.2	+1.4	74.0	1017.2	+2.6	1017.7	+1.6	1016.0	+1.2	1016.9	+1.4
	Mostafa Helmi .. (A)	164.0	998.3	—	998.4	—	997.1	—	997.9	—	164.0	1018.0	—	1018.0	—	1016.2	—	1017.3	—
	Almaza ... ... (A)	78.5	1007.4	+1.5	1007.9	+1.4	1006.5	+1.3	1007.4	+1.4	78.6	1016.9	+1.5	1017.4	+1.4	1015.6	+1.2	1016.7	+1.4
	Abbasiya ... ...(H.Q.)	26.4	1014.3	—	1014.8	—	1013.3	—	1014.2	—	26.4	1018.0	—	1018.6	—	1016.9	—	1017.9	—
	Imbaba ... ... (A)	19.0	1015.1	—	1015.7	—	1014.1	—	1014.7	—	19.0	1017.2	—	1017.8	—	1016.2	—	1016.8	—
	Giza	22.5	1014.8	—	1015.1	+1.5	1013.6	+1.4	1014.4	+1.4	22.5	1017.6	—	1017.9	+1.5	1016.4	+1.4	1017.2	+1.4
	Helwan	140.7	1000.4	—	1001.0	+1.5	999.5	+1.6	1000.2	+1.6	140.7	1017.6	—	1018.3	+1.7	1016.2	+1.6	1017.2	+1.7
UPPER EGYPT	Fayoum	23.3	1014.8	—	1015.3	+2.1	1013.4	+2.2	1014.0	+2.2	23.3	1017.8	—	1018.3	+2.1	1016.4	+2.3	1017.0	+2.2
	Beni Suef	30.0	1013.2	—	1014.3	+1.6	1012.4	+1.8	1012.9	+1.8	30.3	1016.8	—	1017.8	+1.7	1015.8	+1.7	1016.4	+1.8
	Minya ... ... (A)	40.0	1011.8	+1.1	1012.7	+1.1	1011.1	+1.2	1011.3	+1.4	40.3	1016.8	+1.2	1017.6	+1.1	1015.9	+1.2	1016.1	+1.3
	Mangabad ... ... (A)	69.6	1008.5	+2.5	1009.7	+1.6	1007.7	+1.8	1008.0	+2.2	69.5	1017.0	+2.6	1018.2	+1.7	1015.8	+1.8	1016.2	+2.2
	Nag Hammadi	70.5	1007.8	—	1009.3	+0.6	1006.5	+0.7	1007.3	+1.1	70.5	1016.3	—	1017.7	+0.6	1014.6	+0.6	1015.6	+1.0
	Kena	74.2	1007.2	—	1008.2	+1.4	1005.7	+1.7	1005.7	+0.9	74.2	1016.0	—	1016.9	+1.5	1014.1	+1.7	1014.4	+1.0
	Luxor ... ... (A)	88.5	1004.1	+0.6	1005.9	+0.5	1003.5	+0.6	1003.8	+0.4	88.4	1014.9	+0.6	1016.3	+0.5	1013.5	+0.6	1014.1	+0.5
	Kom Ombo	102.6	1002.1	—	1003.9	—	1001.0	—	1001.7	—	102.6	1014.3	—	1016.0	—	1012.7	—	1013.6	—
	Aswan ... ... (A)	193.5	990.9	—	992.4	—0.6	990.0	+0.9	990.5	+0.6	200.0	1014.6	—	1016.2	+0.8	1012.9	+1.0	1013.8	+0.8
WESTERN DESERT	Siwa	—13.5	1019.4	+1.7	1019.9	+1.3	1018.7	+1.6	1018.4	+1.5	—13.3	1017.5	+1.7	1018.1	+1.4	1017.0	+1.6	1016.7	+1.5
	Bahariya	129.5	1002.1	—	1002.4	+0.4	1001.3	+0.6	1001.6	+0.4	129.6	1018.0	—	1018.6	+0.8	1016.5	+0.7	1016.1	+0.5
	Farafra	91.8	1007.3	—	1008.3	+2.1	1007.2	+2.5	1007.1	+2.1	92.1	1018.5	—	1019.6	+2.2	1018.0	+2.5	1018.1	+2.2
	Dakhla	111.5	1001.9	—	1002.6	+0.4	1001.0	+0.8	1000.9	+0.1	111.5	1015.3	—	1016.0	+0.5	1013.7	+0.7	1014.0	+0.2
	Kharga	72.8	1007.5	—	1008.8	+0.5	1006.7	+0.1	1007.1	+0.4	73.0	1016.1	—	1017.3	+0.5	1014.9	+0.2	1015.5	+0.4
RED SEA	Suez	11.0	1014.6	—	1016.7	+2.4	1015.1	+1.6	1015.7	+2.1	12.2	1015.8	—	1017.9	+2.4	1016.3	+1.6	1016.9	+2.1
	Abu Redes	4.0	1015.0	—	1016.3	—	1014.7	—	1015.1	—	4.0	1015.4	—	1016.7	—	1015.1	—	1015.5	—
	Tor	4.2	1014.3	—	1015.4	+0.4	1013.6	0.0	1014.0	+0.6	4.2	1014.7	—	1015.8	+0.4	1014.0	0.0	1014.4	+0.6
	Hurghada	2.8	1014.6	+2.2	1015.7	+1.4	1013.7	+1.1	1014.4	+1.5	2.8	1014.8	+2.2	1015.9	+1.4	1013.9	+1.1	1014.6	+1.5
	Quseir	11.3	1013.2	—	1014.4	+0.6	1012.9	+0.1	1013.2	+0.4	11.3	1014.2	—	1015.4	+0.6	1013.9	+0.1	1014.2	+0.4
	Abul Kizan	5.0	1013.8	—	1014.2	—	1013.2	—	1013.3	—	5.0	1014.3	—	1014.7	—	1013.7	—	1013.9	—

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

MARCH 1963

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 nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.
MEDITERRANEAN	Sallum	14.0	—	13.1	—1.4	20.3	+0.5	16.7	+0.8	10.4	—	10.1	—1.0	13.4	—0.3	12.5	—0.3	61	—	66	+3	41	—6	58	—4
	Sidi Barrani	12.5	+0.1	13.2	—0.2	18.8	+0.4	15.2	—0.2	9.5	—0.1	9.9	—0.5	12.5	—0.7	11.8	0.0	65	—3	63	—3	44	—8	64	—2
	Mersa Matruh ... (A)	13.2	—	14.0	—	[illegible]	+0.2	14.6	—0.2	9.4	—0.3	9.9	—1.0	12.6	—0.7	11.3	—0.6	71	—2	62	—4	44	—7	64	—5
	Ras El Hikma	11.9	—0.1	13.3	—0.7	17.3	—	14.8	—	10.5	—	10.7	—	12.9	—	11.7	—	69	—	64	—	57	—	65	—3
	Dabaa	10.9	—	12.4	—1.5	18.8	+0.2	14.2	—0.6	8.4	—	9.1	—1.9	12.7	—0.3	11.0	—0.8	69	—	62	—6	45	—4	67	—
	Dekheila ... ... (A)	13.2	—	13.6	—	18.7	—	15.2	—	10.5	—	10.6	—	13.8	—	11.9	—	69	—	67	—	55	—	65	-
	Ras El Teen	14.5	—	14.6	—	17.4	—	15.8	—	11.8	—	11.9	—	13.5	—	12.7	—	71	—	71	—	62	—	67	—
	Alexandria ... ... (A)	12.7	—0.5	14.6	—0.4	19.8	+0.1	14.9	—0.1	10.7	—0.6	11.7	—0.6	14.3	+0.1	12.1	—0.4	77	—1	69	—	51	0	70	—3
	Balteam	14.7	—	15.3	—	18.7	—	16.0	—	11.3	—	11.8	—	13.6	—	12.2	—	63	—	63	—	53	—	61	—
	Damietta	11.9	—	13.2	—2.6	19.2	+0.7	14.4	—0.8	10.0	—	10.9	—2.4	14.0	—0.1	11.6	—1.5	77	—	74	0	53	—6	70	—7
	Port Said ... ... (A)	14.4	—0.5	14.8	—0.9	18.3	—0.5	15.6	—0.7	12.0	—0.8	12.1	—0.9	13.9	—0.6	12.6	—1.0	74	—3	71	—1	59	—1	68	—4
	El Arish	12.6	0.0	14.6	—1.1	19.3	—0.1	15.5	—0.4	10.8	+0.1	11.7	—0.9	14.3	—0.4	12.7	—0.5	80	—2	69	+2	55	—4	70	—2
	Ghazza	13.3	—	14.5	—	17.5	—	15.8	—	11.3	—	11.8	—	14.5	—	13.2	—	77	—	71	—	70	—	73	—
LOWER EGYPT	El Sirw	10.7	—	14.8	—0.8	19.3	—1.8	14.3	—0.9	—	—	12.3	—0.9	14.0	—1.8	12.1	—1.0	—	—	73	—2	52	—9	76	—1
	Sakha	9.6	—	14.0	—0.1	21.4	—0.6	13.7	+0.5	—	—	11.9	—0.3	14.9	—0.7	11.6	0.0	—	—	77	—4	46	—1	77	—5
	Mansoura	8.5	—	12.4	—1.8	20.7	—0.4	13.4	—1.1	7.7	—	10.7	—1.2	14.0	—0.2	11.2	—0.5	89	—	80	+5	44	+2	75	+5
	Damanhour	10.5	—	13.5	—0.7	20.4	—0.1	13.8	—0.1	—	—	11.7	—0.3	14.2	0.0	11.7	—0.1	—	—	80	+4	47	0	77	+3
	Tanta	9.8	—	12.6	—1.4	21.4	—1.0	13.9	—0.6	8.3	—	10.4	—1.6	14.8	—0.6	11.4	—0.7	80	—	75	—3	45	+1	72	—2
	Tahrir	11.4	—	13.6	—	21.5	—	15.4	—	9.5	—	10.8	—	13.1	—	11.7	—	77	—	69	—	32	—	61	—
	Shebin El Kom	10.0	—	12.3	—1.0	21.8	—0.7	14.8	0.0	8.7	—	10.3	—0.7	14.9	—0.3	12.0	—0.3	83	—	77	+3	43	+5	70	+3
	Zagazig	11.8	—	12.9	—1.7	21.7	—0.9	16.0	—0.9	—	—	10.6	—1.8	14.1	—1.7	12.5	—0.1	—	—	74	—2	38	—7	64	—9
	Abu Sueir ... ... (A)	11.7	—	13.4	—	22.1	—	16.1	—	9.5	—	10.4	—	13.1	—	11.7	—	74	—	66	—	29	—	56	—
	Banha	11.0	—	11.7	—	21.6	—	15.3	—	8.9	—	9.5	—	14.0	—	11.5	—	74	—	74	—	38	—	60	—
	Zaher ... ... (A)	11.3	—	13.6	—	22.0	—	16.1	—	8.8	—	9.9	—	13.2	—	11.7	—	70	—	59	—	30	—	56	—
	Wadi El Natrun	11.5	—	13.7	—0.5	22.3	—0.7	16.4	—1.3	9.2	—	10.5	—0.7	12.8	—1.3	11.3	—1.4	72	—	64	—3	26	—6	50	—3
	Inshas ... ... (A)	11.8	—	13.5	—	21.7	—	15.8	—	9.0	—	9.8	—	13.4	—	11.7	—	67	—	59	—	33	—	58	—
	Fayed ... ... (A)	12.1	—	15.2	—	22.7	—	16.8	—	9.2	—	11.0	—	13.2	—	12.1	—	66	—	56	—	27	—	54	—
	Kabrit	12.4	—	13.9	—	21.6	—	16.6	—	9.7	—	10.6	—	13.6	—	12.0	—	69	—	64	—	35	—	55	—
CAIRO AREA	Cairo ... ... (A)	13.1	—0.5	14.4	—0.4	21.8	—0.8	17.2	—0.3	9.8	—1.1	10.5	—1.0	12.6	—1.7	11.9	—1.1	63	—5	58	—5	27	—7	49	—3
	Mostafa Helmi ... (A)	11.2	—	12.9	—	21.1	—	15.8	—	8.6	—	9.3	—	12.1	—	10.7	—	68	—	59	—	27	—	49	—
	Almaza ... ... (A)	13.3	—0.4	14.2	—0.5	22.4	+0.2	17.3	—0.2	9.2	—1.6	9.7	—1.6	13.1	—0.7	11.5	—0.9	54	—14	52	—11	28	—6	45	—7
	Abbasiya ... ...(H.Q.)	13.1	—	15.0	—	22.3	—	17.4	—	10.3	—	11.2	—	13.5	—	12.4	—	68	—	60	—	31	—	52	—
	Imbaba ... ... (A)	10.9	—	13.5	—	22.3	—	15.6	—	8.5	—	10.6	—	13.7	—	11.5	—	70	—	68	—	33	—	58	—
	Giza	11.3	—	13.3	—0.7	21.9	—1.2	16.7	+0.2	9.5	—	10.6	—0.9	13.0	—1.9	11.7	—0.9	80	—	72	—1	34	—2	55	—6
	Helwan	12.9	—	14.4	+0.2	21.7	—0.8	17.3	—0.8	9.1	—	9.8	—0.8	12.2	—1.0	11.0	—0.9	57	—	51	—10	25	—7	41	—2

Table A 2. (Contd.) — MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES AND THE RELATIVE HUMIDITY AT FIXED HOURS.

MARCH 1963

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 nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	Mean	Dev. from nor
UPPER EGYPT	Fayoum	12.5	—	13.5	—1.0	23.1	—0.5	17.5	—0.3	9.4	—	10.4	—0.6	13.6	—0.9	11.5	—0.8	64	—	65	+3	28	—2	44	—8
	Beni Suef	12.3	—	13.1	—2.4	23.7	—0.9	16.9	—0.3	9.1	—	9.4	—1.6	14.0	—0.8	11.5	—0.5	63	—	53	—1	28	—1	48	—2
	Minya ... ... (A)	9.7	—0.3	12.4	—1.0	24.2	—0.7	16.1	—0.5	7.8	—0.6	9.9	—0.1	14.3	—0.2	11.5	+0.2	75	—11	71	—9	27	—1	55	+6
	Mallawi	9.5	—	11.9	—	25.0	—	15.3	—	—	—	9.8	—	15.2	—	11.4	—	—	—	75	—	30	—	59	—
	Mangabad ... ... (A)	13.0	—1.0	13.4	—1.0	25.0	+0.2	18.5	—1.4	8.2	—0.4	8.8	—0.7	13.4	—0.3	11.3	—0.1	47	—4	50	+1	18	—3	35	—1
	Shandaweel	11.3	—	14.3	—1.7	26.6	—0.5	17.4	—0.3	—	—	10.8	—1.3	16.0	—0.7	12.8	—0.3	—	—	62	+2	27	—3	56	—5
	Nag Hammadi	12.9	—	14.9	—0.9	26.9	+1.2	18.6	+0.6	—	—	11.2	+0.2	16.1	+2.8	13.3	+0.9	—	—	61	+9	27	+5	51	—3
	Kena	15.3	—	18.0	+0.9	27.9	—0.5	20.8	+0.6	—	—	11.4	—0.5	16.4	—0.1	13.1	0.0	—	—	43	—7	24	0	36	—4
	Luxor ... ... (A)	14.2	—0.5	17.1	—1.0	27.7	—0.5	19.7	—1.0	8.9	—0.7	10.8	—0.8	15.2	—1.6	12.4	—1.0	44	0	40	—4	19	—5	37	—2
	Kom Ombo	16.2	—	17.8	—	28.8	—	22.3	—	8.7	—	10.7	—	14.5	—	12.0	—	28	—	35	—	12	—	21	—
	Aswan ... ... (A)	16.1	—	16.9	—1.4	28.0	—1.4	22.5	—1.7	7.9	—	8.4	—2.8	13.2	—2.8	10.6	—2.9	22	—	26	—10	8	—10	11	—11
WESTERN DESERT	Siwa	12.8	+0.4	12.8	+0.3	23.4	—0.1	18.6	0.0	8.2	0.0	8.6	—0.4	12.6	—1.3	10.7	—1.0	49	—3	53	—7	21	—7	30	—8
	Bahariya	11.8	—	13.3	—0.8	23.8	+0.1	18.4	+1.0	7.0	—	8.4	—2.1	12.9	—1.6	10.6	—1.0	45	—	46	—15	21	—10	31	—14
	Farafra	12.9	—	11.8	—1.7	24.9	+0.4	18.5	+0.6	6.8	—	6.6	—2.1	12.8	—1.7	9.6	—1.4	33	—	40	—8	16	—11	23	—14
	Dakhla	12.3	—	13.5	—1.3	26.3	+0.4	19.2	—1.7	6.5	—	7.5	—1.7	13.5	—1.1	10.5	—1.4	35	—	36	—7	15	—8	25	—2
	Kharga	14.1	—	16.0	—0.9	27.3	+0.1	19.2	—1.4	8.6	—	10.1	—1.3	15.3	—1.3	11.5	—1.3	42	—	42	—5	21	—8	33	—2
RED SEA	Suez	11.1	—	14.8	—0.9	22.7	+0.2	18.3	+0.3	—	—	12.5	—0.1	16.2	+1.6	14.5	+1.2	—	—	75	+8	48	+10	63	+7
	Abu Redes	16.3	—	17.6	—	22.3	—	19.7	—	12.3	—	13.1	—	16.3	—	14.7	—	59	—	57	—	51	—	55	—
	Tor	15.5	—	17.5	—0.6	21.8	—0.7	20.0	—0.1	10.9	—	11.3	—0.5	15.0	—2.4	13.3	—2.2	53	—	42	—17	44	—14	42	—16
	Hurghada	15.2	+0.2	18.1	—0.2	23.2	+1.2	19.2	—0.7	9.7	—1.2	11.1	—1.8	14.4	—2.2	12.8	—2.2	45	—12	37	—13	32	—23	43	—14
	Quseir	19.6	—	21.6	+0.7	25.1	+2.1	21.8	+0.8	11.7	—	13.0	—1.4	16.3	—1.7	14.7	—1.5	32	—	31	—14	36	—20	42	—16
	Abul Kizan	—	—	23.0	—	23.3	—	22.3	—	—	—	19.1	—	19.2	—	18.9	—	—	—	67	—	66	—	71	—

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

MARCH 1963

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a, b, d	Station pressure Corrected to Hp		M. S. L Pressure		Maximum (A)		Minimum (B)		(A + B)/2	Dry bulb			Wet bulb			Deriv. of the mean values a, b, c, d	Mean	Dev. from normal
			Mean	from Dev. nor.	Mean	Dev. from nor.	Mean	Dev. from nor.	mean	Dev. from nor.		Deriv. of the mean values a, b, c, d	Mean	Dev. from nor.	Deriv. of the mean values a, b, c, d	Mean	Dev. from nor.			
MEDITERRANEAN	Sallum	a	1016.3	+1.3	1016.8	+1.3	21.2	0.0	11.9	+1.5	16.6	a	16.3	+0.9	a	11.7	+0.1	a	55	—7
	Sidi Barani	a	1013.6	+1.4	1016.2	+1.4	19.6	—0.2	9.6	—0.6	14.6	a	15.1	+0.2	a	11.1	—0.6	a	58	—8
	Mersa Matruh ... (A)	a	1013.4	+1.1	1017.1	+1.1	20.0	0.0	10.0	+0.1	15.0	a	14.7	—0.1	a	10.8	—0.6	a	58	—6
	Ras El Hikma	a	1011.1	—	1016.6	—	18.3	—	11.5	—	14.9	a	14.9	—	a	11.4	—	a	63	—
	Dabaa	a	1013.9	—	1015.9	—	19.6	—0.7	8.8	—0.5	14.2	a	14.2	0.0	a	10.3	—1.0	a	58	—10
	Dekheila ... ... (A)	a	1016.6	—	1017.3	—	20.5	—	11.3	—	15.9	a	15.3	—	a	11.7	—	a	62	—
	Ras El Teen	a	1016.3	—	1017.3	—	18.5	—	13.6	—	16.0	a	15.6	—	a	12.5	—	a	67	—
	Alexandria ... ... (A)	a	1016.3	+1.2	1017.1	+1.2	21.1	+0.7	10.3	—0.9	15.7	a	15.4	—0.4	a	12.1	—0.4	a	65	0
	Balteam	a	1016.9	—	1017.1	—	19.2	—	13.5	—	16.4	a	16.3	—	a	12.3	—	a	59	—
	Damietta	a	1016.7	+1.5	1017.1	+1.5	20.2	—0.6	10.2	—0.9	15.2	a	14.8	—0.4	a	11.6	—1.4	a	66	—10
	Port Said ... ... (A)	a	1016.0	+1.5	1016.7	+1.5	19.5	—0.4	12.7	—0.8	16.1	a	15.7	—0.7	a	12.6	—0.8	a	66	—3
	El Arish	a	1015.0	+1.4	1016.9	+1.4	21.2	0.1	10.7	—0.1	16.0	a	15.5	+0.1	a	12.3	—0.3	a	66	—4
	Ghazza	a	1014.9	—	1016.8	—	19.1	—	11.2	—	15.2	a	15.2	—	a	12.7	—	a	73	—
LOWER EGYPT	El Sirw	—	—	—	—	—	20.5	—0.9	8.9	—0.9	14.7	c	14.5	—0.7	c	12.1	—1.0	e	74	—3
	Sakha	—	—	—	—	—	22.0	—0.9	7.9	0.0	15.0	c	14.7	+0.5	c	12.6	+0.1	e	77	—5
	Mansoura	a	1017.0	+2.6	1017.4	+2.6	21.8	—1.3	6.4	—3.2	14.1	a	13.8	—1.0	a	10.7	—1.5	a	66	—6
	Damanhour	c	1016.5	+1.4	1017.1	+1.3	21.9	—0.7	8.9	—1.0	15.4	c	14.6	+0.1	c	12.6	+0.4	e	78	+3
	Tanta	a	1015.2	+0.9	1016.4	+0.9	22.2	—1.5	8.3	+0.2	15.2	a	14.6	—0.2	a	11.2	—1.4	a	63	—13
	Tahrir	a	1014.8	—	1016.9	—	23.0	—	9.6	—	16.3	a	15.5	—	a	11.2	—	a	56	—
	Shebin El Kom	a	1015.1	+0.9	1016.6	+0.9	22.7	—1.2	8.3	—0.9	15.5	a	14.9	—0.1	a	11.5	—0.7	a	64	—6
	Zagazig	c	1015.8	+1.6	1017.4	+1.6	22.5	—1.3	9.4	+0.6	16.0	c	15.6	+0.3	c	12.7	—0.2	e	69	—5
	Abu Sueir ... ... (A)	a	1015.4	—	1017.3	—	23.4	—	9.5	—	16.4	a	16.0	—	a	11.2	—	a	52	—
	Banha	c	1015.0	—	1016.8	—	22.6	—0.5	9.1	—0.1	15.8	c	15.1	—	c	11.0	—	e	57	—
	Zaher ... ... (A)	a	1012.7	—	1016.4	—	22.7	—	9.4	—	16.0	a	15.8	—	a	10.9	—	a	51	—
	Wadi El Natrun	a	1017.7	+3.0	1017.8	+3.0	23.7	—1.1	9.0	—0.6	16.4	a	16.1	0.0	a	10.8	—1.4	a	48	—12
	Inshas ... ... (A)	a	1012.4	—	1015.5	—	22.5	—	9.7	—	16.1	a	15.8	—	a	11.0	—	a	52	—
	Fayed ... ... (A)	a	1015.0	—	1017.6	—	23.5	—	10.3	—	16.9	a	16.7	—	a	11.3	—	a	48	—
	Kabrit ... ... (A)	a	1016.0	—	1017.4	—	22.6	—	10.3	—	16.4	a	16.3	—	a	11.5	—	a	53	—

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**

MARCH 1963

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			Deriv. of the mean values a, b, c, d, e	Mean	Dev. from nor.
			mean.	Dev. from nor.	mean.	Dev. from nor.	mean.	Dev. from nor.	mean.	Dev. from nor.		Deriv. of the mean values a, b, c, d, e	Mean	Dev. from nor.	Deriv. of the mean value. a, b, c, d, e	Mean	Dev. from nor.			
CAIRO AREA	Cairo ... ... (A)	a	1009.2	+1.7	1017.0	+1.8	23.0	—0.6	10.9	—0.2	17.0	c	17.3	0.0	a	11.2	—1.1	a	43	—9
	Mostafa Helmi ... (A)	a	997.9	—	1017.4	—	21.9	—	9.3	—	15.6	a	15.3	—	a	10.2	—	a	48	—
	Almaza ... ... (A)	a	1007.3	+1.1	1016.6	+1.0	23.3	—0.1	11.1	—0.1	17.2	a	16.7	—0.3	a	10.9	—1.0	a	44	—7
	Abbasiya ... ...(H.Q.)	a	1014.2	—	1017.8	—	23.8	—	10.9	—	17.4	a	16.9	—	a	11.8	—	a	51	—
	Imbaba ... ... (A)	a	1014.9	—	1017.0	—	23.4	—	8.2	—	15.5	a	15.6	—	a	11.0	—	a	53	—
	Giza	a	1014.3	+1.4	1017.1	+1.5	23.5	—0.6	8.4	+0.2	16.0	a	15.9	+0.5	a	11.1	—1.2	a	55	—12
	Helwan	a	1000.2	+2.0	1017.3	+2.0	23.3	—0.4	10.2	—0.9	16.6	a	16.6	0.0	a	10.5	—0.9	a	41	—9
	Fayoum	a	1014.3	+2.4	1017.3	+2.3	24.1	—0.8	10.0	—1.5	17.0	a	16.8	—	a	11.2	—0.5	a	47	—10
	Beni Suef	a	1013.1	+1.6	1016.6	+1.6	24.3	—0.7	8.6	+0.5	16.4	a	16.8	+0.6	a	11.3	—0.7	a	46	—6
UPPER EGYPT	Minya ... ... (A)	a	1011.7	+1.1	1016.6	+1.1	24.8	—0.6	6.9	—0.9	15.8	a	15.7	—0.9	a	10.8	—0.3	a	51	+3
	Mallawi	—	—	—	—	—	26.0	—	6.7	—	16.4	c	15.4	—	c	12.8	—	e	67	—
	Mangabad ... ... (A)	a	1008.5	+1.6	1016.8	+1.7	25.9	—0.6	9.9	—0.3	17.9	a	17.7	—0.7	a	10.5	—0.4	a	34	+1
	Shandaweel	—	—	—	—	—	28.2	0.0	9.0	+0.1	18.6	c	17.4	—0.8	c	13.2	—0.9	e	59	—1
	Nag Hammadi	c	1007.7	—	1016.0	—	27.6	—	9.8	—	18.7	c	18.3	—	c	13.6	—	e	56	—
	Kena	c	1006.7	+1.5	1015.4	+1.6	29.2	—0.9	11.8	—1.0	20.5	c	20.5	+1.3	c	13.4	+0.4	e	40	—5
	Luxor ... ... (A)	a	1004.4	+1.0	1014.7	+1.1	29.8	—0.4	10.5	+0.1	20.2	a	19.7	—0.1	a	11.7	+0.4	a	32	—7
	Kom Ombo	a	1002.1	—	1014.1	—	30.1	—	11.4	—	20.8	a	21.0	—	a	11.3	—	a	22	—
	Aswan ... ... (A)	a	991.0	+1.1	1014.4	+2.2	29.0	—1.4	12.7	—1.7	20.8	a	21.0	—0.1	a	10.0	—2.9	a	14	—17
WESTERN DESERT	Siwa	a	1019.1	+0.8	1017.3	+0.7	24.8	—0.2	8.7	—0.5	16.8	a	17.1	+0.9	a	10.0	0.0	a	34	—6
	Bahariya	a	1002.0	+0.8	1017.5	+2.2	24.5	—0.9	8.5	—0.4	16.8	a	16.9	+0.9	a	9.7	—0.6	a	32	—19
	Farafra	a	1007.5	+3.0	1018.6	—0.9	27.3	+0.1	9.0	+1.1	17.4	a	17.5	+1.5	a	9.2	—0.1	a	25	—10
	Dakhla	a	1001.5	—1.0	1014.7	+3.3	25.8	0.0	8.0	—2.0	17.6	a	18.0	0.0	a	9.4	—0.5	a	23	—4
	Kharga	a	1007.6	+0.4	1016.0	+0.4	28.0	—0.2	10.5	—0.9	19.2	a	19.1	+0.1	a	11.4	+1.1	a	33	—7
RED SEA	Suez	c	1015.5	+1.4	1016.7	+1.4	24.4	+0.2	10.0	—1.7	17.2	c	16.7	—0.3	c	13.6	+0.6	e	69	+9
	Abu Redes	a	1015.3	—	1015.7	—	23.5	—	13.9	—	18.7	a	18.9	—	a	14.0	—	a	55	—
	Tor	a	1014.3	+0.3	1014.7	+0.3	23.6	—0.5	12.9	+0.5	18.2	a	18.6	+0.3	a	12.8	—1.0	a	47	—11
	Hurghada	a	1014.6	+1.8	1014.8	+1.8	23.9	+1.1	12.5	+0.1	18.2	a	18.7	+0.1	a	11.8	—1.6	a	38	—14
	Quseir	a	1013.5	+0.4	1014.5	+0.4	26.2	+1.5	18.1	+1.8	22.1	a	21.9	+1.5	a	13.9	—1.0	a	36	—16
	Abul Kizan	c	1013.6	—	1014.2	—	26.7	+1.4	21.3	+0.5	24.0	c	—	—	c	—	—	e	69	—3

a = the 24 hours mean. b = 8 synoptic hours mean. c = 4 main synptic 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 1963

District	Station	Maximum temperature (°C)									Minimum temperature (°C)							
		Highest	Date	Lowest	Date	Number of days with Maximum temperature					Highest	Date	Lower	Date	Number of days with Minimum temperature (°C)			
						> 25°	> 30°	> 35°	> 40°	> 45°					< 10°	< 5°	< 0°	< –5°
MEDITERRANEAN	Sallum	34.2	23	14.0	7	5	2	0	0	0	17.8	28	7.8	5	10	0	0	6
	Sidi Barani	35.4	23	13.0	6	2	1	1	0	0	15.8	28	6.8	11	17	0	0	0
	Mersa Matruh ... (A)	33.4	23	14.6	6	4	1	0	0	0	16.0	28	5.8	9	16	0	0	0
	Ras El Hikma	30.9	23	14.5	5	2	1	0	0	0	15.4	28	8.6	11	6	0	0	0
	Dabaa	32.7	23	15.0	4,7	3	1	0	0	0	13.7	28	4.9	1	23	1	0	0
	Dekheila ... ... (A)	30.0	23	16.0	6,7	3	0	0	0	0	15.6	29	8.6	2	11	0	0	0
	Ras El Teen	25.8	23	14.6	7	1	0	0	0	0	16.2	29	8.9	15	1	0	0	0
	Alexandria ... ... (A)	31.0	23	17.0	4	3	1	0	0	0	15.9	29	6.5	1,2	15	0	0	0
	Balteam	23.2	14,23	16.0	4,5,18	0	0	0	0	0	17.4	29	9.8	7	1	0	0	0
	Damietta	26.9	14	15.2	5	2	0	0	0	0	15.0	28	7.1	6	16	0	0	0
	Port Said ... ... (A)	23.4	14	15.6	5	0	0	0	0	0	16.0	28	9.8	5	2	0	0	0
	El Arish	31.2	24	17.0	8	3	1	0	0	0	15.0	29	8.2	11	12	0	0	0
	Ghazza	29.8	24	15.4	5	2	0	0	0	0	16.9	.29	8.0	20	12	0	0	0
LOWER EGYPT	El Sirw	26.7	14	16.5	5	1	0	0	0	0	15.0	28	5.0	6	23	0	0	0
	Sakha	31.4	23	15.7	4	7	1	0	0	0	12.2	28	4.3	10	27	2	0	0
	Mansoura	30.9	23	15.8	5	4	2	0	0	0	12.6	28	2.0	7	29	8	0	0
	Damanhour	32.6	23	16.1	5	6	1	0	0	0	13.1	29	6.2	10	24	0	0	0
	Tanta	31.2	23	16.2	5,15	7	1	0	0	0	12.6	29	4.1	1	25	1	0	0
	Tahrir	33.2	23	17.2	8	10	2	0	0	0	14.6	29	6.5	1	18	0	0	0
	Shebin El Kom	31.3	23	16.2	5	9	1	0	0	0	13.2	29	4.2	7	26	1	0	0
	Zagazig	30.8	28	15.0	24	4	2	0	0	0	14.8	23,28	6.0	7,9	20	0	0	0
	Abu Sueir ... ... (A)	35.4	28	16.9	9	11	2	1	0	0	15.1	24	5.4	7	19	0	0	0
	Banha	31.8	28	16.7	15	6	2	0	0	0	13.1	24	5.7	9	21	0	0	0
	Zaher ... ... (A)	35.8	28	16.6	8	6	2	1	0	0	14.5	29	4.9	9	22	1	0	0
	Wadi El Natrun	34.9	28	17.4	15	13	2	0	0	0	14.2	29	5.0	7	23	0	0	0
	Inshas ... ... (A)	34.0	28	16.2	8	6	2	0	0	0	15.0	29	5.3	9	16	0	0	0
	Fayed ... ... (A)	34.0	28	16.9	.9	10	1	0	0	0	15.9	29	7.6	1,7	14	0	0	0
	Kabrit ... ... (A)	31.6	28	17.0	9	9	2	0	0	0	17.0	29	6.0	20	14	0	0	0
CAIRO AREA	Cairo ... ... (A)	34.5	28	16.7	8	9	2	0	0	0	17.8	28	5.0	9	12	0	0	0
	Mostafa Helmi ... (A)	32.5	23	15.5	8	4	1	0	0	0	13.7	24	5.3	9	18	0	0	0
	Almaza ... ... (A)	33.8	28	16.2	8	11	2	0	0	0	15.8	29	5.9	9	9	0	0	0
	Abbasiya ... ...(H.Q.)	32.8	23	17.0	8	13	2	0	0	0	16.4	29	6.2	7	10	0	0	0
	Imbaba ... ... (A)	31.8	28	16.7	8	10	3	0	0	0	14.6	29	3.6	9	26	2	0	0
	Giza	32.5	23	17.3	8	9	2	0	0	0	14.4	24	4.1	7	25	3	0	0
	Helwan	33.1	28	17.3	6	10	2	0	0	0	17.1	5.1	29	10	17	0	0	0

Table A 4 (Contd.) — MAXIMUM AND MINIMUM AIR TEMPERATURES

MARCH 1963

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 (°C)			
						> 25°	> 30°	> 35°	< 10°	< 15°					<10°	<5°	<0°	< —5°
UPPER EGYPT	Fayoum	34.8	28	17.0	8	14	3	0	0	0	16.3	29	5.5	7	14	0	0	0
	Beni Suef	35.0	28	17.4	8.9	13	3	0	0	0	15.3	29	3.6	7	23	1	0	0
	Minya ... ... (A)	34.0	24,28	16.1	8	17	5	0	0	0	14.8	29	2.5	10	27	10	0	0
	Mallawi	36.5	28	17.0	8	17	6	0	0	0	13.6	29	2.5	7	28	12	0	0
	Mangabad ... ... (A)	38.6	28	18.5	8	18	7	1	0	0	18.1	29	4.8	7	16	1	0	0
	Shandaweel	38.0	24	20.5	9	21	11	1	0	0	17.4	29	5.0	6,20	18	0	0	0
	Nag Hammadi	37.0	24	19.0	5	19	8	2	0	0	16.5	29	5.2	6	15	0	0	0
	Kena	37.7	24	23.0	9	23	14	2	0	0	15.6	23	7.6	6	13	0	0	0
	Luxor ... ... (A)	37.4	28	21.4	9	23	14	3	0	0	19.6	29	5.5	20	15	0	0	0
	Kom Ombo	38.2	28	23.0	5	25	16	6	0	0	20.4	29	7.0	18	11	0	0	0
	Aswan ... ... (A)	38.0	28	21.4	5	24	12	5	0	0	20.0	29	7.5	6	6	0	0	0
WESTERN DESERT	Siwa	36.4	23	18.7	5	14	4	1	0	0	18.8	28	3.3	10	20	7	0	0
	Bahariya	34.2	28	16.3	8	15	5	0	0	0	16.9	28	2.9	10	21	6	0	0
	Farafra	35.1	23	16.0	8	19	6	1	0	0	17.3	29	4.0	10	20	2	0	0
	Dakhla	39.2	28	19.0	5	19	10	4	0	0	15.8	29	2.0	16	21	6	0	0
	Kharga	38.9	28	20.0	5,9	20	10	4	0	0	18.8	25	4.9	20	13	1	0	0
RED SEA	Suez	32.4	24	17.6	9	11	3	0	0	0	18.3	29	5.0	7	16	0	0	0
	Abu Redes	30.4	28	19.0	6,10	8	2	0	0	0	20.8	29	9.7	1	4	0	0	0
	Tor	35.9	24	18.8	9,19	10	1	1	0	0	19.5	30	8.0	2	5	0	0	0
	Hurghada	31.4	24	18.8	9	13	1	0	0	0	16.6	29	9.2	21	6	0	0	0
	Quseir	31.4	24	21.4	10	18	2	0	0	0	23.1	25	14.4	5	0	0	0	0
	Abul Kizan	27.5	24	21.4	10	16	0	0	0	0	23.2	30	18.8	10	0	0	0	0

Table A 5. — RAINFALL AND SNOW DEPTH.

MARCH 1963

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 V	0.1 ΛI	1.0 ΛI	5.0 ΛI	10 ΛI	25 ΛI	50 ΛI		
MEDITERRANEAN	Sallum	9.8	—1.0	3.8	18	1	8	2	0	0	0	0	0.0	—
	Sidi Barrani	28.2	+12.6	11.5	6	0	6	5	2	1	0	0	0.0	—
	Mersa Matruh (A)	14.9	+1.9	7.3	5	1	6	4	1	0	0	0	0.0	—
	Ras El Hikma	13.9	—	5.3	9	0	6	4	1	0	0	0	0.0	—
	Dabaa	7.4	—3.2	4.7	9	0	5	2	0	0	0	0	0.0	—
	Dekheila (A)	8.9	+2.4	3.5	5	0	5	3	0	0	0	0	0.0	—
	Ras El Teen	2.0	—	1.2	5	1	3	1	0	0	0	0	0.0	—
	Alexandria (A)	19.0	+7.9	6.5	9	2	7	4	2	0	0	0	0.0	—
	Balteam	18.2	—	9.6	14	0	5	4	2	0	0	0	0.0	—
	Damietta	8.9	—0.2	3.7	4	0	7	3	0	0	0	0	0.0	—
	Port Said (A)	2.5	—6.2	0.8	15	1	4	0	0	0	0	0	0.0	—
	El Arish	11.9	—1.6	5.0	6	0	6	4	1	0	0	0	0.0	—
	Ghazza	13.3	—3.7	5.5	19	1	6	4	1	0	0	0	0.0	—
	Fuka	5.5	—2.5	4.0	15	0	2	2	0	0	0	0	0.0	—
	Hammam	5.5	+0.5	3.0	15	0	2	2	0	0	0	0	0.0	—
	Borg El Arab	11.0	+4.0	5.0	15	0	3	3	1	0	0	0	0.0	—
	Mex	17.9	+7.9	6.9	4	0	4	4	1	0	0	0	0.0	—
	Tolombat El Tabia	13.0	+4.0	8.0	5	0	2	2	2	0	0	0	0.0	—
	Kom El Tarfaia	2.4	—5.6	2.4	15	0	1	1	0	0	0	0	0.0	—
	Rosetta L.H.	7.0	—6.0	2.5	4.14	3	3	3	0	0	0	0	0.0	—
	Borollos L.H.	15.4	—1.6	7.5	18	0	3	3	1	0	0	0	0.0	—
	Damietta L.H.	18.2	+4.0	11.8	5	0	3	3	1	1	0	0	0.0	—
LOWER EGYPT	El Sirw	0.0	—5.8	0.0	—	0	0	0	0	0	0	0	0.0	—
	Sakha	3.6	—5.7	3.6	14	2	1	1	0	0	0	0	0.0	—
	Mansoura	6.1	—0.1	3.8	15	0	4	2	0	0	0	0	0.0	—
	Damanhour	10.1	+3.4	4.2	1	0	6	3	0	0	0	0	0.0	—
	Tanta	5.1	+1.2	4.5	15	0	3	1	0	0	0	0	0.0	—
	Tahrir	4.4	+3.2	3.7	15	2	1	1	0	0	0	0	0.0	—
	Shebin El Kom	1.0	—1.9	0.4	15	1	3	0	0	0	0	0	0.0	—
	Zagazig	1.6	—2.2	1.6	15	1	1	1	0	0	0	0	0.0	—
	Abu Sueir (A)	1.8	—	1.8	15	0	1	1	0	0	0	0	0.0	—
	Banha	0.1	—2.2	0.1	15	2	1	0	0	0	0	0	0.0	—
	Zaher (A)	tr	—	tr	15	1	0	0	0	0	0	0	0.0	—
	Wadi El Natrun	3.0	+0.7	3.0	15	1	1	1	0	0	0	0	0.0	—

Table A 5. (Cond.) — RAINFALL AND SNOW DEPTH.

MARCH 1963

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 V	0.1 AI	1.0 AI	5.0 AI	10 AI	25 AI	50 AI		
LOWER EGYPT	Inshas ... ... (A)	1.5	—	1.5	15	0	1	1	0	0	0	0	0.0	—
	Fayed ... ... (A)	0.4	—	0.2	5,9	0	2	0	0	0	0	0	0.0	—
	Kabrit ... ... (A)	0.1	—	0.1	15	0	1	0	0	0	0	0	0.0	—
	Tolombat El Boseili... ...	14.0	+7.0	7.5	4	2	4	4	1	0	0	0	0.0	—
	Kafr-El Dawar	8.0	—2.0	8.0	15	0	1	1	1	0	0	0	0.0	—
	Kafr-El Sheikh	6.0	—2.0	3.0	4,5	0	2	2	0	0	0	0	0.0	—
	Kafr-El Zayat	0.7	—6.3	0.5	16	0	2	0	0	0	0	0	0.0	—
	Faqus	4.7	—3.3	4.7	15	1	1	1	0	0	0	0	0.0	—
CAIRO AREA	Cairo ... ... (A)	tr	—2.6	tr	4,5	2	0	0	0	0	0	0	0.0	—
	Mostafa Helmi ... (A)	1.6	—	1.6	15	0	1	1	0	0	0	0	0.0	—
	Almaza ... ... (A)	1.2	—1.5	1.2	15	0	1	1	0	0	0	0	0.0	—
	Abbasiya ... ...(H.Q.)	0.6	—	0.6	15	1	1	0	0	0	0	0	0.0	—
	Imbaba ... ... (A)	0.4	—	0.4	15	0	1	0	0	0	0	0	0.0	—
	Giza	0.7	2.5	0.7	15	0	1	0	0	0	0	0	0.0	—
	Helwan	0.4	—3.0	0.4	15	1	1	0	0	0	0	0	0.0	—
	Fayoum	tr	—2.0	tr	15,28	2	0	0	0	0	0	0	0.0	—
UPPER EGYPT	Beni Suef	tr	—1.8	tr	28	1	0	0	0	0	0	0	0.0	—
	Minya ... ... (A)	tr	—0.3	tr	8	1	0	0	0	0	0	0	0.0	—
	Mangabad ... ... (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Shandaweel	0.0	—tr	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	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)	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	—0.1	0.0	—	0	0	0	0	0	0	0	0.0	—

Table A 5. (Contd.) — RAINFALL AND SNOW DEPTH.

MARCH 1963

District	Station	Rainfall (millimetres)											Snow depth (centimetres)	
		Total amount	Dev. from nor.	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 ≥		
WESTERN DESERT	Siwa	0.2	+0.2	0.2	1	1	1	0	0	0	0	0	0.0	—
	Bahariya	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dakhla	0.0	—0.3	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	—
	Kharga	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
RED SEA	Suez	2.0	—1.0	2.0	15	0	1	1	0	0	0	0	0.0	—
	Abu Redes	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tor	0.1	—1.9	0.1	18	0	1	0	0	0	0	0	0.0	—
	Hurghada	0.0	—0.4	0.0	—	0	0	0	0	0	0	0	0.0	—
	Quseir	0.0	—0.3	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	—

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

MARCH 1963

District	Station	Duration of bright sunshine (hours) Total actual	Total possible	percentage %	Mean sky cover (oktas) 0000 U.T. Mean	Dev. from nor.	0600 U.T. Mean	Dev. from nor.	1200 U.T. Mean	Dev. from nor.	1800 U.T. Mean	Dev. from nor.	Mean daily evaporation Piche (millimetres)	Mean maximum temp. (°c) of Black bulb thermometer	Bright bulb thermometer	Mean grass minimum (°C)
MEDITERRANEAN	Sallum	—	—	—	2.5	—	3.3	—	3.7	—	2.4	—	8.0	—	—	11.7
	Sidi Barrani	—	—	—	—	—	3.5	—	3.4	—	2.5	—	8.0	—	—	—
	Mersa Matruh ... (A)	221.7	371.6	59.7	2.5	—	4.2	—	3.6	—	2.8	—	12.6	—	—	—
	Ras El Hikma	—	—	—	—	—	3.4	—	3.3	—	2.1	—	6.5	—	—	11.7
	Dabaa	—	—	—	—	—	3.2	—	3.9	—	2.4	—	8.3	—	—	—
	Dekheila ... ... (A)	—	—	—	1.5	—	3.7	—	3.8	—	2.5	—	5.2	—	—	—
	Ras El Teen	—	—	—	2.4	—	4.4	—	4.3	—	3.0	—	4.8	—	—	—
	Alexandria ... ... (A)	268.5	371.6	72.2	2.3	—	4.5	—	4.2	—	2.9	—	8.7	—	—	—
	Baltean	—	—	—	—	—	3.2	—	3.7	—	2.5	—	4.4	—	—	—
	Damietta	—	—	—	—	—	2.4	—	3.4	—	2.1	—	3.5	—	—	—
	Port Said ... ... (A)	229.1	371.6	61.7	1.8	—	2.8	—	3.2	—	2.5	—	5.4	42	23	[illegible]
	El Arish	—	—	—	4.2	—	4.0	—	3.5	—	4.3	—	4.4	—	—	[illegible]
	Ghazza	248.2	371.8	66.8	2.9	—	4.2	—	3.6	—	2.6	—	6.6	—	—	10.4
LOWER EGYPT	El Sirw	—	—	—	—	—	2.7	—	3.7	—	1.7	—	3.8	—	—	—
	Sakha	—	—	—	—	—	2.0	—	2.6	—	1.3	—	4.1	—	—	7.8
	Mansoura	—	—	—	—	—	2.8	—	4.8	—	1.9	—	4.2	—	—	—
	Damanhour	—	—	—	—	—	3.9	—	3.6	—	2.3	—	3.0	—	—	—
	Tanta	260.5	371.8	70.1	—	—	2.4	—	3.5	—	2.4	—	4.0	58	34	—
	Tahrir	257.6	371.9	69.3	—	—	2.5	—	3.5	—	1.8	—	7.3	—	—	8.2
	Shebin El Kom	—	—	—	—	—	2.5	—	3.2	—	1.5	—	3.4	—	—	—
	Zagazig	181.0	3719	48.7	—	—	2.4	—	4.9	—	1.8	—	4.4	—	—	—
	Abu Sueir ... ... (A)	—	—	—	1.2	—	3.2	—	4.5	—	2.7	—	7.5	67	28	8.4
	Banha	—	—	—	—	—	2.5	—	4.0	—	1.7	—	5.2	—	—	—
	Zaher ... ... (A)	—	—	—	—	—	2.2	—	4.0	—	1.6	—	7.6	—	—	—
	Wadi El Natrun	—	—	—	—	—	2.4	—	3.3	—	0.9	—	8.4	—	—	—
	Inshas ... ... (A)	—	—	—	0.8	—	1.2	—	3.4	—	1.7	—	9.1	—	—	—
	Fayed ... ... (A)	—	—	—	—	—	2.7	—	3.3	—	1.9	—	9.9	—	—	—
	Kabrit ... ... (A)	—	—	—	—	—	2.4	—	3.2	—	1.9	—	9.4	—	—	—
CAIRO AREA	Cairo ... ... (A)	—	—	—	1.4	—	2.2	—	4.0	—	2.0	—	12.9	—	—	—
	Mostafa Helmi ... (A)	—	—	—	1.0	—	2.9	—	4.1	—	2.7	—	10.8	—	—	—
	Almaza ... ... (A)	272.5	371.9	73.3	0.9	—	2.3	—	3.9	—	1.6	—	9.2	—	—	—
	Abbasiya ... ...(H.Q.)	274.8	371.9	73.9	1.1	—	2.1	—	3.5	—	2.5	—	6.6	60	39	—
	Imbaba ... ... (A)	—	—	—	—	—	2.3	—	3.7	—	1.3	—	6.1	—	—	—
	Giza	266.0	371.9	71.6	—	—	2.4	—	3.2	—	1.5	—	7.0	—	—	3.0
	Helwan	—	—	—	0.8	—	2.1	—	3.3	—	1.6	—	15.2	—	—	—
UPPER EGYPT	Fayoum	—	—	—	—	—	1.8	—	2.9	—	1.3	—	7.0	—	—	6.7
	Beni Suef	—	—	—	—	—	1.2	—	2.2	—	0.9	—	5.3	—	—	6.5
	Minya ... ... (A)	—	—	—	0.8	—	2.0	—	2.1	—	1.6	—	6.3	—	28	4.3
	Mangabad ... ... (A)	—	—	—	—	—	1.0	—	1.7	—	1.0	—	3.5	—	—	5.3
	Mallawi	—	—	—	0.6	—	1.5	—	1.8	—	1.4	—	11.8	—	41	9.0
	Shandaweel	282.8	371.9	77.1	—	—	1.0	—	1.1	—	1.0	—	6.0	—	—	6.4
	Nag Hammadi	—	—	—	—	—	0.6	—	0.9	—	0.5	—	6.7	—	—	9.5
	Kena	—	—	—	—	—	1.4	—	1.7	—	0.5	—	6.8	—	—	—
	Luxor ... ... (A)	—	—	—	0.9	—	1.7	—	1.4	—	1.2	—	7.0	62	41	9.0
	Kom Ombo	—	—	—	—	—	1.1	—	1.0	—	1.6	—	12.0	—	—	8.1
	Aswan ... ... (A)	—	—	—	1.2	—	1.6	—	1.8	—	1.8	—	21.0	—	—	8.1
DESERT	Siwa	—	—		1.6	—	2.0	—	2.8	—	2.0	—	10.2	70	—	6.9
	Bahariya	—	—	—	1.2	—	1.8	—	2.5	—	1.6	—	7.0	48	29	7.4
	Farafra	—	—	—	1.1	—	1.7	—	2.1	—	1.6	—	12.2	48	30	7.9
	Dakhla	—	—	—	0.8	—	1.2	—	1.3	—	1.2	—	11.8	54	34	4.1
	Kharga	—	—	—	0.9	—	1.3	—	1.6	—	1.2	—	11.4	—	—	9.5
RED SEA	Suez	—	—	—	—	—	2.3	—	3.4	—	2.2	—	7.2	—	—	—
	Abu Redes	267.3	371.3	72.0	—	—	2.0	—	2.0	—	1.5	—	9.1	—	—	—
	Tor	—	—	—	0.6	—	1.9	—	1.7	—	1.4	—	8.0	—	—	—
	Hurghada	—	—	—	1.3	—	1.9	—	1.6	—	1.8	—	17.6	—	—	—
	Quseir	—	—	—	1.2	—	1.6	—	1.5	—	1.1	—	15.1	—	—	—
	Abul Kizan	—	—	—	—	—	2.2	—	1.8	—	0.6	—	9.9	—	—	—

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

MARCH 1963

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	Sidi Barrani	5	—	—	—	—	—	13.2	19.5	28	9.0	11	19.5	27.0	31	11.0	10	17.1	22.8	22	11.0	6
		10	—	—	—	—	—	15.1	19.0	28	10.9	11	17.6	22.0	31	12.3	6	17.8	22.2	31	11.6	6
		20	—	—	—	—	—	16.0	19.1	23	11.0	4	16.5	19.6	23	12.9	9	17.5	21.0	23	13.0	9
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mersa Matruh ... (A)	5	14.2	18.1	31	11.0	6.11	12.9	16.0	24.29	9.2	11	22.7	27.4	31	15.3	5	18.3	21.0	31	14.0	5,6
		10	15.6	18.9	31	12.5	7	14.2	17.0	24	11.0	11	19.7	23.4	24	14.5	6	19.0	22.5	24	14.7	6
		20	17.4	20.5	29	14.6	8	16.3	18.6	24	13.5	7	17.1	23.0	22	14.0	6	18.2	20.8	31	15.5	6,7
		50	17.5	19.7	28	16.0	5	17.7	19.4	24.26.28	16.1	1	17.4	19.4	24	15.2	15	17.6	20.6	24	15.6	15
		100	16.2	17.6	29	15.3	11	16.1	17.3	29	15.4	31	12,13	16.2	17.4	15.4	12	16.2	17.3	29	15.3	12
		200	19.8	20.2	7	19.1	18	19.8	20.1	*	19.4	18	19.8	20.4	1	19.5	31	19.9	20.5	8	19.2	31
	Ras El Hikma	5	—	—	—	—	—	12.7	15.9	29	9.2	11	19.8	25.5	31	14.9	8	15.8	18.5	31	12.8	6
		10	—	—	—	—	—	13.4	16.7	24	10.0	11	17.5	21.0	24	14.0	9	16.6	21.4	23	13.4	5
		20	—	—	—	—	—	14.0	16.3	29	10.8	11	16.5	19.4	24	13.6	6,9,10	16.5	20.9	23	13.3	6
		50	—	—	—	—	—	15.8	17.3	26	14.5	11,12	15.8	17.2	25,26	14.3	11	15.8	17.2	25.26,30	14.3	11
		100	—	—	—	—	—	16.5	17.1	30,31	16.0	13.14.15	16.5	17.1	30,33	16.1	*	17.0	17.1	30.31	16.0	12,14
		200	—	—	—	—	—	18.4	18.6	*	18.2	*	18.4	18.6	*	18.2	*	18.4	18.6	*	18.2	*
	Dabaa	5	—	—	—	—	—	11.7	14.7	28	8.8	10.11	20.9	26.6	23	15.5	5	16.4	19.4	31	12.5	9
		10	—	—	—	—	—	13.0	16.8	24	10.2	11	17.7	21.4	23	14.2	5	16.9	21.7	23	14.3	6
		20	—	—	—	—	—	15.2	18.2	24	12.4	11	15.5	18.3	24	13.6	10	16.4	18.8	24	14.2	5
		50	—	—	—	—	—	16.5	18.3	26.27	15.3	11,12	16.4	18.3	26	15.2	10,11	16.3	17.9	26	15.1	6,7
		100	—	—	—	—	—	16.9	17.6	29,30	16.5	7,8	16.9	17.6	29,30	16.5	8,9	16.8	17.6	29.30	16.4	9
		200	—	—	—	—	—	18.7	19.0	1	18.6	*	18.7	19.0	1	18.6	*	18.7	18.9	1,2,3	15.6	*

* = More than 3 days.

Table A 7. (Contd) -- SOIL TEMPERATURES (°C) AT FIXED HOURS

M A R C H 1963

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 (contd)	Alexandria .. ... (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	18.4	21.0	25,26	16.5	7	18.5	20.9	26	16.9	10	18.3	21.0	31	16.7	10	18.5	21.0	31	17.0	10
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	El Arish	5	15.3	19.2	31	11.6	8	13.8	16.8	30	9.6	8	20.4	24.2	29	14.4	8	18.7	22.2	28	14.3	7
		10	16.3	20.8	29	12.6	8	14.5	20.4	29	10.3	8	19.6	23.2	29	16.0	5	19.1	22.5	19	15.0	7
		20	18.2	21.3	31	15.6	8	17.0	20.8	29	14.4	8	18.1	21.4	29	15.6	8	19.4	22.2	29	16.6	8
		50	19.8	21.7	31	18.3	9,10	19.9	21.7	30.31	18.3	9	19.7	21.6	30	18.2	9	19.5	21.4	30.31	18.0	8
		100	19.9	20.9	31	19.4	2	19.9	20.9	31	19.0	7	20.0	20.8	30.31	19.4	*	19.9	21.0	31	19.3	10
		200	20.8	21.0	30.31	20.6	*	20.8	21.0	29,30.31	20.6	15	20.8	21.0	30.31	20.6	*	20.8	21.0	31	20.5	26
	Ghazza	5	15.4	22.0	29	11.8	6.9	14.7	20.0	29	11.2	7	22.3	26.4	31	15.2	5	18.3	22.0	30	13.0	5
		10	16.3	22.5	29	12.7	9	15.0	20.0	29	11.7	8	20.5	24.5	31	14.5	5	19.1	22.5	31	13.9	5
		20	17.2	21.9	29	14.0	8,10	15.9	20.0	29	12.5	8	18.6	22.0	29	14.5	5	19.2	23.5	25	14.3	5
		50	18.3	21.0	31	16.3	9,10	18.2	21.0	31	16.2	10	18.5	21.0	27.30,31	15.9	12	18.9	21.5	25	15.9	5
		100	21.1	22.6	27	19.0	11	21.0	23.0	27	19.2	15	21.1	23.0	27	19.0	11	21.2	23.0	30.31	19.5	14
		200	21.7	22.5	2	21.0	18,19	21.7	23.0	26	21.0	*	21.7	22.7	31	20.6	16	21.7	22.8	28	21.0	7,12

* = More than 3 days.

Table A 7. (Contd) -- SOIL TEMPERATURES (°C) AT FIXED HOURS

MARCH 1963

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	Sakha	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	17.6	18.0	30,31	17.3	*	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	17.4	18.5	29.30	16.8	11,12	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	13.1	16.2	30	10.2	7	18.9	23.0	24	15.2	15	17.7	21.5	23	13.2	15
		10	—	—	—	—	—	16.7	22.9	24	19.7	29	14.2	10	19.4	16.8	9	19.8	23.3	24	16.8	9
		20	—	—	—	—	—	15.9	18.5	30	14.0	10	16.0	18.6	30	14.2	7,10	16.9	19.5	28	15.0	6.7.9
		50	—	—	—	—	—	19.6	21.8	30	18.2	10	19.5	21.8	30	18.0	10	19.5	21.6	30	18.2	10
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tahrir	5	—	—	—	—	—	13.9	18.7	29	10.1	16	27.4	33.0	23	19.0	15	19.5	23.3	31	14.0	5
		10	—	—	—	—	—	14.3	18.6	29	10.7	16	23.4	28.2	23	17.4	5	20.1	25.3	23	14.4	15
		20	—	—	—	—	—	16.1	19.7	29	12.9	16	19.4	23.1	24	15.6	5	20.9	25.2	23	16.2	5
		50	—	—	—	—	—	18.7	21.2	30.31	16.7	6	18.3	20.8	30	16.2	10	18.6	21.1	30,31	16.6	9,10
		100	—	—	—	—	—	19.2	20.7	31	18.4	11,12	—	—	—	—	—	19.3	20.7	31	18.4	11,12
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir ... ... (A)	5	15.2	18.5	24,25	11.1	7	14.4	18.6	24	11.0	6	29.1	36.0	31	21.0	9	20.8	27.7	23	15.5	9
		10	18.0	22.9	29	14.5	7	16.2	19.5	24	13.0	7	23.4	27.7	23	18.3	9	21.8	25.6	25	17.0	9
		20	19.3	23.0	29	16.5	7.10	18.1	26.2	30	15.0	10	19.9	23.5	28,29	16.4	9	21.1	24.5	27	17.2	9
		50	19.7	22.5	30	17.6	10	19.6	22.4	30	17.1	10	19.2	22.1	29	16.8	10	19.5	22.7	29	17.4	9,10
		100	19.6	21.9	31	18.1	10	19.7	21.8	31	18.5	12	19.7	21.8	31	18.6	11	19.7	21.7	31	18.5	11,12
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CAIRO AREA	Giza	5	—	—	—	—	—	14.7	19.8	29	10.7	7	26.5	322	23	19.7	15	21.6	26.4	23	17.0	8
		10	—	—	—	—	—	17.3	20.7	29	14.3	10	21.5	25.1	24	18.3	9	22.4	26.1	23	18.4	8
		20	—	—	—	—	—	20.0	22.4	30	17.8	10	19.9	22.4	30	17.8	9.10	21.0	23.4	30	18.7	9
		50	—	—	—	—	—	20.8	22.6	31	19.6	10,11	20.7	22.6	31	19.5	10,11	20.8	22.5	31	19.5	10
		100	—	—	—	—	—	—	—	—	—	—	21.2	22.0	31	20.8	10,11,12	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	22.6	22.6	28	22.4	*	—	—	—	—	—

* = More than 3 days.

Table A 7. (Contd) -- SOIL TEMPERATURES (°C) AT FIXED HOURS

MARCH 1963

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
UPPER EGYPT	Fayoum	5	—	—	—	—	—	15.2	18.0	25,29	12.7	7	22.5	27.0	31	16.8	15	19.5	24.0	23	16.8	9
		10	—	—	—	—	—	16.2	19.5	29	13.8	7	20.5	23.2	31	16.5	8	19.8	22.9	31	16.2	8
		20	—	—	—	—	—	18.6	21.0	29	16.5	9,10,11	19.0	21.3	29	16.7	9	19.4	22.0	31	17.0	8,9,10
		50	—	—	—	—	—	19.5	21.2	31	18.2	11	19.5	21.0	30.31	18.1	4	19.4	21.0	30	18.0	9.10
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya ... ... (A)	5	17.7	22.9	29	14.0	9,10	15.1	21.8	29	11.2	1	23.0	28.3	24	16.0	8	21.2	26.0	29	15.0	8
		10	20.4	24.4	28	17.5	*	18.7	22.7	30	16.0	10.12	21.8	26.0	28	18.0	8	22.6	27.0	29	18.5	8
		20	20.4	23.6	29	18.0	9,10,12	19.6	23.1	29	17.0	12	20.3	23.5	29	18.0	*	21.0	24.0	*	18.5	7,8,9
		50	20.9	23.5	30	19.4	11	20.8	23.5	29,31	19.0	12	20.9	23.9	26	19.1	11	21.0	23.9	26	19.0	11
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mallawi	5	—	—	—	—	—	13.1	17.6	29	10.0	1	17.4	23.5	28,29	13.5	1,6,7	17.8	24.0	28	13.8	1
		10	—	—	—	—	—	14.5	18.5	29	12.0	*	14.5	21.0	29	13.8	1,7,8	16.4	20.8	28	13.0	1
		20	—	—	—	—	—	15.8	19.0	*	13.8	1	15.8	19.0	*	13.5	1	15.9	19.0	*	13.5	1
		50	—	—	—	—	—	15.9	17.8	31	15.0	2	16.0	17.8	31	15.0	2	16.0	17.8	31	15.0	2
		100	—	—	—	—	—	16.7	17.5	30,31	16.2	5	16.7	17.5	30,31	16.3	1,2,3	16.7	17.5	30,31	16.3	1.2.3
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel	5	—	—	—	—	—	16.5	22.5	29	14.0	16,17,20	23.3	27.5	25,28,29	20.0	9	22.4	27.5	28	19.0	9
		10	—	—	—	—	—	18.7	23.5	29	17.0	1	20.6	24.9	29	18.5	1,10	21.6	25.0	29	19.0	6
		20	—	—	—	—	—	20.4	24.0	29	19.0	*	20.4	23.9	29	19.0	*	20.8	24.0	29	19.0	7
		50	—	—	—	—	—	21.6	25.0	29	19.0	10	22.6	26.0	26,29	20.5	8,10	23.0	26.0	27,28,29	19.0	9
		100	—	—	—	—	—	22.0	23.5	30,31	21.0	10	22.1	25.2	!27	21.5	*	22.0	23.5	30,31	20.7	17
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	5	—	—	—	—	—	14.7	21.0	29	13.0	2,3	22.5	27.0	30	16.2	10	19.2	23.2	24	14.8	10
		10	—	—	—	—	—	15.3	20.2	29	12.6	11	21.1	25.0	27,28,30	16.3	10	18.5	23.0	24	14.1	10
		20	—	—	—	—	—	16.8	20.4	30	15.0	11	18.2	21.0	*	16.1	6	17.4	20.8	30	14.3	10,11
		50	—	—	—	—	—	19.2	22.6	28	17.7	2	19.4	23.0	27,28	18.0	3,4,11	19.4	23.0	27	18.0	2,3,4
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* = More than 3 days.

Table A 7. (Contd) -- SOIL TEMPERATURES (°C) AT FIXED HOURS

MARCH 1963

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
UPPER EGYPT	Kom Ombo	5	—	—	—	—	—	17.0	22.0	29	13.0	20	29.6	37.0	31	24.0	19	22.1	26.0	28	18.8	15,16
		10	—	—	—	—	—	18.9	22.2	29	16.0	20	23.6	27.5	31	21.0	19	22.5	25.5	28	20.0	17
		20	—	—	—	—	—	20.7	23.0	29	19.4	18	21.1	23.0	29,31	19.8	18,20	21.6	23.5	29.31	20.2	6
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
WESTERN DESERT	Siwa	5	17.3	24.0	28	14.0	5,6	15.2	23.0	28	11.8	1,10	21.3	25.8	28	17.2	5	20.9	25.6	27	17.0	4
		10	17.9	23.8	28	14.8	5	16.0	22.8	28	12.8	5	19.7	24.8	28	16.4	5	20.7	25.0	27	17.3	5
		20	18.8	23.4	28	16.0	5	17.3	22.8	28	14.5	5	18.5	23.8	28	15.6	5	20.2	24.2	28	17.3	5
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bahariya	5	17.2	25.2	25	12.8	9	14.0	20.6	28	9.4	10	20.0	28.2	23	16.0	7,8	21.7	28.6	23	15.8	8
		10	18.7	24.3	24	14.7	9	19.0	20.9	24	12.1	10	19.3	24.8	28	15.0	7	21.3	26.5	27	16.2	8
		20	20.2	24.4	24,28	16.8	9	19.1	23.4	28	15.7	10	19.0	23.2	28	15.6	9	20.5	24.3	28	17.2	7,8
		50	21.1	23.9	30	19.2	11	21.2	23.9	30	19.4	10,11	20.8	23.9	28	19.2	10,11	21.4	23.7	29,30	19.1	10
		100	21.3	22.9	31	20.7	12	20.7	22.9	31	20.7	*	21.3	23.0	30,31	20.7	*	21.4	23.1	31	20.6	12
		200	22.9	23.2	30,31	22.7	7	23.6	23.2	30,31	22.8	17,19	22.9	23.2	30,31	22.9	*	23.2	23.4	31	22.9	*
	Farafra	5	19.9	24.7	25,27	17.4	9	18.9	22.7	29	15.6	10	24.5	28.8	24	18.6	8	24.7	28.5	24	18.8	8
		10	21.2	25.4	25	18.1	9	19.8	23.5	28	16.9	9	21.8	24.7	30	18.3	8,9	24.0	26.5	26	18.8	8
		20	22.0	25.2	25	18.9	9	21.2	24.4	28	18.3	9	21.2	24.1	27	18.6	10	22.0	25.3	24	19.1	8
		50	19.5	22.5	30,31	18.0	11,12,13	19.6	22.6	30	17.9	11	19.6	24.4	31	18.0	11,12	19.6	24.3	31	18.0	10,11,12
		100	20.1	22.0	31	19.3	2,12	20.3	22.0	31	19.3	3,11	20.2	22.0	31	19.3	1,11	20.1	22.0	30	19.3	1,11
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

MARCH 1963

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/moderato 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	1	0	5	1	0	0	0	0	0	12	3
	Sidi Barrani	6	0	0	1	0	1	0	0	0	0	2	1	0	0	0	0	0	—	—
	Mersa Matruh ... (A)	5	0	0	0	0	1	0	0	0	0	8	7	0	0	0	0	1	9	4
	Ras El Hikma	5	0	0	1	0	0	0	0	0	0	5	1	0	0	0	0	0	—	—
	Dabaa	4	0	0	0	0	0	0	0	0	0	9	1	0	0	0	0	1	—	—
	Dekheila ... ... (A)	4	0	0	0	0	1	0	0	2	0	2	1	0	0	0	0	0	11	1
	Ras El Teen	2	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	6	1
	Alexandria ... ... (A)	5	0	0	0	0	1	1	4	2	0	2	0	0	0	0	0	2	7	2
	Balteam	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Damietta	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Port Said ... ... (A)	4	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	1	14	0
	El Arish	8	0	0	0	0	1	5	2	5	0	3	1	0	0	0	0	0	9	6
	Ghazza	5	0	0	0	0	0	3	1	1	0	4	0	0	0	0	0	0	8	5
LOWER EGYPT	El Sirw	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	4	0	0	0	0	1	5	2	1	0	2	1	0	0	0	0	0	—	—
	Damanhour	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	4	0	0	0	0	0	6	2	1	0	3	1	0	0	0	0	0	—	—
	Shebin El Kom	2	0	0	1	0	0	2	0	0	0	1	0	0	0	0	0	0	—	—
	Zagazig	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir ... ... (A)	1	0	0	0	0	0	4	3	5	0	8	2	0	0	0	0	2	9	3
	Banha	1	0	0	0	0	0	4	0	0	0	2	0	0	0	0	0	0	—	—
	Zaher ... ... (A)	0	0	0	0	0	0	3	0	3	0	5	2	0	0	0	0	0	—	—
	Wadi El Natrun	1	0	0	0	0	0	1	0	3	0	3	0	0	0	0	0	0	—	—
	Inshas ... ... (A)	1	0	0	0	0	0	2	1	4	0	4	0	0	0	0	0	0	20	0
	Fayed ... ... (A)	2	0	0	0	0	0	1	0	4	0	4	1	0	0	0	0	2	—	—
	Kabrit ... ... (A)	1	0	0	0	0	0	0	0	4	0	4	2	0	0	0	0	0	—	—
CAIRO AREA	Cairo ... ... (A)	0	0	0	0	0	0	5	0	14	0	5	1	0	0	0	0	0	13	1
	Mostafa Helmi ... (A)	1	0	0	0	0	0	10	1	4	0	13	1	0	0	0	0	0	11	2
	Almaza ... ... (A)	1	0	0	0	0	0	0	0	12	0	6	0	0	0	0	0	0	16	1
	Abbasiya ... ...(H.Q.)	1	0	0	0	0	0	1	0	8	0	4	0	0	0	0	0	0	15	1
	Imbaba ... ... (A)	1	0	0	0	0	0	2	1	3	0	3	1	0	0	0	0	0	—	—
	Giza	1	0	0	0	0	0	2	1	0	0	1	0	0	0	0	0	0	—	—
	Helwan	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	1

Table A 8. — (Contd.) FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.

M A R C H 1963

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	4	0	0	0	0	0	0	—	—
	Minya ... ... (A)	0	0	0	0	0	0	2	0	2	0	3	0	0	0	0	0	0	21	1
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mangabad ... ... (A)	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	24	1
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hamadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor ... ... (A)	0	0	0	0	0	0	0	0	7	0	5	2	0	0	0	0	0	24	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	5	0	9	0	0	0	0	0	0	22	0
WESTERN DESERT	Siwa	1	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	18	2
	Bahariya	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	20	1
	Farafra	0	0	0	0	0	0	0	0	4	0	3	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	1	0	5	0	0	0	0	0	0	23	1
	Kharga	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	25	1
RED SEA	Suez	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	—	—
	Tor	1	0	0	0	0	0	0	0	1	0	4	0	0	0	0	0	1	24	1
	Hurghada	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	21	3
	Quseir	0	0	0	0	0	0	0	7	0	0	15	0	0	0	0	0	0	24	1
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

MARCH 1963

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												
						315 / 014	015 / 044	045 / 074	075 / 104	105 / 13	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	315 / 344	All directions
MEDITERRANEAN	Sidi Barrani ...	13	0	1	1-10	26	58	41	11	20	19	30	13	28	40	87	56	429
					11-27	2	14	10	23	23	12	46	41	32	10	36	48	297
					28-47	0	0	0	0	0	0	1	1	0	0	1	1	4
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	28	72	51	34	43	31	77	55	60	50	124	105	730
	Mersa Matruh (A)	2	1	2	1-10	29	26	12	8	11	11	6	18	23	28	19	22	216
					11-27	43	49	17	21	18	12	17	26	34	68	85	90	510
					28-47	0	0	0	0	0	0	3	5	0	3	1	1	13
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	72	75	29	29	62	23	26	49	57	99	105	113	739
	Dekheila (A)	0	3	0	1-10	74	40	30	26	35	25	29	22	30	39	55	65	470
					11-27	21	6	4	7	31	6	4	5	10	33	101	43	271
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	95	46	34	33	66	31	33	27	40	72	156	108	741
	Ras El Teen ...	6	0	20	1-10	56	25	46	20	27	20	14	11	22	17	24	54	336
					11-27	125	19	14	2	17	30	14	4	7	13	25	107	377
					28-47	0	0	0	0	0	0	0	0	0	2	2	1	5
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	181	44	60	22	44	50	28	15	29	32	51	162	718
	Alexandria (A)	14	1	0	1-10	47	37	26	31	50	42	26	23	33	38	74	105	531
					11-27	6	5	7	3	5	0	1	4	11	48	73	35	198
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	53	42	33	34	55	42	27	27	44	86	147	140	729
	Port Said (A)	0	2	0	1-10	38	38	30	11	10	14	11	12	22	17	12	20	244
					11-27	60	36	45	38	4	8	10	17	62	71	54	79	484
					28-47	0	0	0	0	0	0	0	0	6	7	1	0	14
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	98	74	75	49	14	22	21	29	90	95	67	108	742
	El Arish	0	25	1	1-10	46	65	28	19	24	88	50	50	71	19	53	68	581
					11-27	0	7	0	0	0	0	7	0	27	35	52	9	137
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	46	72	28	19	24	88	57	50	98	54	105	77	718
	Ghazza	0	13	0	1-10	25	20	37	34	33	109	50	21	18	50	57	27	481
					11-27	29	21	1	0	0	20	2	15	31	71	31	22	243
					28-47	0	0	0	0	0	0	0	0	2	5	0	0	7
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	54	41	38	34	33	129	52	36	51	126	88	49	731
LOWER NILE	Mansoura	2	12	36	1-10	42	47	37	26	20	23	20	40	66	58	79	65	523
					11-27	1	10	5	17	1	0	5	7	18	40	43	24	171
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	43	57	42	43	21	23	25	47	84	98	122	89	694
	Tanta	30	13	0	1-10	34	33	49	56	37	20	16	40	95	91	99	87	657
					11-27	0	3	3	0	0	0	1	4	4	23	5	1	44
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	34	36	52	56	37	20	17	44	99	114	104	88	701

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

MARCH 1963

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
LOWER EGYPT (contd)	Tahrir	15	12	3	1-10	50	42	29	50	39	25	25	22	52	67	60	108	569
					11-27	11	6	4	5	2	0	2	3	8	34	39	31	145
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	61	48	33	55	41	25	27	25	60	101	99	139	714
	Abu Sueir (A)	22	3	6	1-10	50	53	38	22	26	14	15	39	97	22	54	38	468
					11-27	17	29	6	2	4	1	1	11	64	38	42	24	239
					28-47	0	0	0	0	0	0	0	0	5	1	0	0	6
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	67	82	44	24	30	15	16	50	166	61	96	62	713
	Za er ... (A)	11	14	0	1-10	78	34	32	36	15	27	19	30	97	54	52	95	569
					11-27	6	10	4	3	2	11	5	14	32	36	15	12	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	84	44	36	39	17	38	24	44	129	90	67	107	719
CAIRO AREA	CAIRO ... (A)	53	16	64	1-10	40	68	66	47	10	7	24	32	51	50	71	70	536
					11-27	5	10	6	2	4	4	2	9	7	16	7	3	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	45	78	72	49	14	11	26	41	58	66	78	73	611
	Mostafa Helmi (A)	0	5	1	1-10	52	60	45	14	29	7	12	12	29	26	40	26	352
					11-27	46	53	35	38	7	3	9	15	14	30	44	92	386
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	98	113	80	52	36	10	21	27	43	56	84	118	738
	Almaza ... (A)	3	0	1	1-10	76	83	113	29	37	26	23	39	37	59	58	59	639
					11-27	3	12	10	9	9	2	10	14	2	23	6	1	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	79	95	123	38	46	28	33	53	39	82	64	60	740
	Abbassiya (HQ)	82	2	8	1-10	156	78	37	16	8	11	25	41	38	49	58	85	602
					11-27	3	7	3	0	0	0	3	6	5	12	8	3	50
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	159	85	40	16	8	11	28	47	43	61	66	88	652
	Giza	59	23	3	1-10	139	101	22	3	4	39	28	17	9	44	69	143	618
					11-27	1	5	2	0	0	0	3	5	0	10	8	7	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	140	106	24	3	4	39	31	22	9	54	77	150	659

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

MARCH 1963

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	
UPPER EGYPT	Fayoum	7	33	0	1-10	178	76	21	7	3	19	43	44	35	51	60	155	692
					11-27	0	2	0	0	0	0	0	0	1	2	3	4	12
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	178	78	21	7	3	19	43	44	36	53	63	159	704
	Minya ... (A)	50	1	0	1-10	180	95	7	1	3	31	24	15	4	14	30	131	535
					11-27	57	51	0	0	0	0	3	0	0	0	16	31	158
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					IV -48	0	0	0	0	0		0	0	0	0	0	0	0
					All speeds	237	146	7	1	3	31	27	15	4	14	46	162	693
	Asyout ... (A)	4	5	9	1-10	12	10	9	18	3	9	12	9	59	226	99	74	550
					11-27	15	0	0	2	4	2	2	1	0	13	78	59	176
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					IV -48	0	0	0	0	0		0	0	0	0	0	0	0
					All speeds	27	10	9	20	17	11	14	10	59	239	177	133	726
	Luxor ... (A)	52	2	0	1-10	109	95	34	24	22	23	39	53	43	14	25	123	604
					11-27	26	2	0	0	0	0	0	0	0	0	4	54	86
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	135	97	34	24	22	23	39	53	43	14	29	177	690
	Aswan ... (A)	0	0	0	1-10	193	154	9	4	0	2	5	0	0	3	7	13	408
					11-27	212	75	1	0	4	0	0	0	1	0	13	30	336
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	405	229	10	4	4	2	5	0	1	3	20	61	744
WESTERN DESERT	Siwa	76	0	38	1-10	28	23	40	66	52	33	18	16	32	77	89	30	504
					11-27	0	0	1	5	19	12	6	2	2	14	48	18	126
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					IV -48	0	0	0	0	0		0	0	0	0	0	0	0
					All speeds	28	23	40	71	71	45	24	18	34	91	137	48	630
	Dakhla	22	3	283	1-10	22	23	18	6	7	7	10	10	12	34	64	73	286
					11-27	54	20	0	0	0	1	0	0	0	1	4	70	150
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	76	43	18	6	7	8	10	10	12	35	68	143	436
RED SEA	Hurghada	4	1	0	1-10	54	19	8	6	6	10	4	5	7	12	87	27	245
					11-27	46	12	0	0	0	0	0	0	0	33	140	210	441
					28-47	0	0	0	0	0	0	0	0	0	0	7	46	53
					IV -48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	100	31	8	6	6	10	0	5	7	45	234	283	739

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

SALLUM — MARCH 1963

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 / 13	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	315 / 34	All
0000	5	0	0	1-10	3	2	1	1	0	0	1	0	1	1	1	2	12
				11-27	0	0	0	1	0	0	1	0	2	5	3	0	12
				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	3	2	1	2	0	0	3	0	3	6	4	2	26
0300	6	0	0	1-10	0	3	0	0	0	0	2	0	0	0	2	2	9
				11-27	0	0	1	1	0	0	1	0	3	8	2	0	16
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	3	1	1	0	0	3	0	3	8	4	2	25
0600	7	0	0	1-10	2	1	0	0	1	0	0	0	0	7	0	1	12
				11-27	0	0	0	2	0	0	1	0	0	6	1	0	10
				28-47	0	0	0	0	0	0	1	0	0	1	0	0	2
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	0	2	1	0	2	0	0	14	1	1	24
0900	3	0	0	1-10	0	1	1	2	0	2	0	0	1	3	2	0	12
				11-27	0	1	0	2	0	0	0	2	4	6	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	0	2	1	4	0	2	0	2	5	9	2	1	28
1200	1	0	0	1-10	2	1	3	5	0	0	0	0	1	0	0	0	12
				11-27	0	0	2	0	0	0	0	2	4	8	0	1	17
				28-47	0	0	0	0	0	0	0	0	0	0	1	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	5	5	0	0	0	2	5	8	1	1	30
1500	1	0	0	1-10	2	1	3	2	0	0	2	0	2	3	0	1	16
				11-27	1	2	1	1	0	0	0	0	1	3	1	4	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	3	4	3	0	0	2	0	3	6	1	5	30
1800	7	0	0	1-10	4	2	3	2	0	0	0	1	2	1	1	1	17
				11-27	0	0	2	0	0	0	0	0	0	4	1	0	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	2	5	2	0	0	0	1	2	5	2	1	24
2100	8	0	0	1-10	1	1	3	1	1	0	0	1	0	0	2	3	13
				11-27	0	0	1	1	0	0	1	0	0	6	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	1	4	2	1	0	1	1	0	6	2	4	23

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

MERSA MATRUH (A) MARCH 1963

Hour (U.T)	Clam	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of directions indicated												
					345 / 014	015 / 044	045 / 074	075 / 104	105 / 13	135 / 164	165 / 194	95 / 224	225 / 254	255 / 284	285 / 314	315 / 344	All directions
0000	0	0	0	1-10	1	1	1	1	0	0	0	2	2	2	0	0	10
				11-27	1	3	0	0	3	1	1	2	2	6	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	4	1	1	3	1	1	4	4	8	2	0	31
0300	1	0	0	1-10	1	0	1	0	0	0	0	4	2	1	0	0	9
				11-27	1	0	1	1	3	0	0	1	4	7	3	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	2	1	3	0	0	5	6	8	3	0	30
0600	1	0	0	1-10	0	0	1	0	0	1	0	0	2	2	1	0	7
				11-27	2	1	1	0	2	1	1	2	5	4	2	1	22
				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	2	0	2	2	1	2	7	7	3	1	30
0900	0	0	0	1-10	1	2	0	0	0	1	0	0	0	0	1	1	6
				11-27	1	2	1	1	1	0	1	1	0	3	7	5	23
				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	4	1	1	1	1	2	2	0	3	8	6	31
1200	0	0	0	1-10	3	2	0	0	0	0	0	0	0	0	0	1	6
				11-27	1	3	1	2	0	0	1	1	0	0	3	11	23
				28-47	0	0	0	1	0	0	1	0	0	0	0	0	2
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	5	1	3	0	0	2	1	0	0	3	12	31
1500	0	0	0	1-10	2	1	2	0	0	0	0	0	0	0	0	1	6
				11-27	4	3	0	4	1	0	0	1	0	0	4	7	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	4	2	4	1	0	0	1	0	0	5	8	31
1800	2	0	0	1-10	0	2	0	1	2	0	0	0	0	3	2	2	12
				11-27	3	2	0	0	4	0	1	0	0	1	6	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	4	0	1	6	0	1	0	0	4	8	2	29
2100	2	0	0	1-10	1	4	1	1	1	1	1	1	2	2	0	0	15
				11-27	0	4	0	1	3	0	0	1	2	2	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	1	5	1	1	4	1	1	2	4	4	4	1	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 1963

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	1	0	0	1-10	1	2	1	1	1	1	3	1	1	1	2	4
				11-27	2	0	0	0	3	0	0	0	0	1	4	1
				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	3	2	1	1	4	1	3	1	1	2	6	5
0300	1	0	0	1-10	2	0	0	0	2	3	1	2	3	1	2	0
				11-27	1	0	0	0	2	1	1	1	0	0	5	3
				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	3	0	0	0	4	4	2	3	3	1	7	3
0600	0	0	0	1-10	3	1	0	1	1	2	1	4	3	1	0	2
				11-27	0	0	0	0	3	0	0	1	1	3	3	1
				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	3	1	0	1	4	2	1	5	4	4	3	3
0900	0	0	0	1-10	4	0	1	1	1	3	2	0	0	3	2	3
				11-27	0	0	0	0	2	0	0	0	2	4	3	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	1	1	3	3	2	0	2	7	5	3
1200	0	0	0	1-10	7	2	2	1	0	0	0	0	0	3	0	2
				11-27	0	0	0	0	1	1	0	0	0	2	6	5
				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	2	2	1	1	0	0	0	0	5	6	7
1500	0	0	0	1-10	3	3	2	0	1	0	0	0	1	0	5	2
				11-27	0	2	1	0	0	0	0	0	0	0	6	5
				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	3	5	3	0	1	0	0	0	1	0	11	7
1800	2	0	0	1-10	2	3	3	1	2	0	0	0	0	3	2	4
				11-27	0	1	0	1	0	0	0	0	0	0	3	4
				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	4	3	2	2	0	0	0	0	3	5	8
2100	0	0	0	1-10	5	1	1	2	0	2	1	1	1	2	3	1
				11-27	1	2	0	1	3	0	0	0	0	0	2	2
				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	3	1	3	3	2	1	1	1	2	5	3

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

RAS EL TEEN — MARCH 1963

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	4	0	3	0	1	0	1	0	2	2	0	0	13
				11-27	6	1	0	0	3	2	1	0	1	0	1	3	18
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	1	3	0	4	2	2	0	3	2	1	3	31
0300	3	0	0	1-10	1	1	1	0	2	0	0	1	2	0	0	2	10
				11-27	4	2	0	0	1	2	3	0	0	1	1	3	17
				28-47	0	0	0	0	0	0	0	0	0	0	0	1	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	3	1	0	3	2	3	1	2	1	1	6	28
0600	2	0	0	1-10	1	1	0	0	1	1	0	1	2	2	0	0	9
				11-27	3	1	0	0	2	3	1	1	0	0	2	6	19
				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	2	0	0	3	4	1	2	2	3	2	6	29
0900	1	0	0	1-10	2	1	1	0	1	1	1	2	1	2	2	2	16
				11-27	1	0	0	0	0	2	0	0	1	2	4	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	3	1	1	0	1	3	1	2	2	4	6	6	30
1200	2	0	0	1-10	2	3	3	0	1	0	0	0	0	0	1	4	14
				11-27	5	0	1	0	2	0	0	0	0	0	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	7	3	4	0	3	0	0	0	0	0	4	8	29
1500	0	0	0	1-10	3	3	2	1	0	0	0	0	0	1	1	3	14
				11-27	5	1	4	0	0	0	0	0	0	0	1	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	8	4	6	1	0	0	0	0	0	1	2	9	31
1800	2	0	0	1-10	1	2	2	2	1	1	0	0	0	0	2	2	13
				11-27	6	3	0	0	1	0	0	0	0	0	0	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	5	2	2	2	1	0	0	0	0	2	8	29
2100	2	0	0	1-10	0	4	1	1	2	0	2	0	0	2	1	1	14
				11-27	6	0	1	0	2	1	0	0	0	0	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	6	4	2	1	4	1	2	0	0	2	3	4	29

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

ALEXANDRIA (A) — MARCH 1963

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	2	1	2	2	3	1	3	2	1	1	3	25
				11-27	0	0	0	0	0	0	0	0	0	1	2	2	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	2	1	2	2	3	1	3	2	2	3	5	30
0300	4	0	0	1-10	3	0	1	1	2	2	2	2	2	1	1	3	20
				11-27	0	0	0	0	1	0	0	0	1	0	3	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	3	0	1	1	3	2	2	2	3	2	4	4	27
0600	1	0	0	1-10	4	0	0	1	1	2	1	5	2	1	0	3	20
				11-27	0	0	0	0	1	1	1	1	0	2	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	4	0	0	1	2	3	2	6	2	3	4	3	30
0900	0	0	0	1-10	2	0	0	2	3	3	0	1	0	1	3	3	18
				11-27	0	0	1	0	0	0	0	1	3	6	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	1	2	3	3	0	2	3	7	4	4	31
1200	0	0	0	1-10	6	0	1	2	0	1	0	0	0	0	5	1	16
				11-27	0	1	0	0	1	0	0	0	0	4	4	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	6	1	1	2	1	1	0	0	0	4	9	6	31
1500	0	0	0	1-10	4	1	2	0	1	0	0	0	0	2	2	4	16
				11-27	2	3	0	0	0	0	0	0	0	1	3	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	4	2	0	1	0	0	0	0	3	5	10	31
1800	2	0	0	1-10	1	6	2	0	0	0	0	0	0	1	4	6	20
				11-27	1	0	1	2	0	0	0	0	0	0	4	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	6	3	2	0	0	0	0	0	1	8	7	29
2100	2	0	0	1-10	4	3	0	2	5	2	1	0	1	3	3	2	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	4	3	0	2	5	2	1	0	1	3	4	4	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) — MARCH 1963

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	3	1	0	1	1	0	3	1	0	1	1	13
				11-27	1	0	2	2	1	1	0	0	5	4	2	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	3	3	2	2	2	0	3	6	4	3	1	31
0300	0	0	0	1-10	1	1	2	1	1	2	1	0	1	1	0	0	11
				11-27	2	1	1	2	0	1	1	2	4	2	3	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	3	2	3	3	1	3	2	2	5	3	3	1	31
0600	0	0	0	1-10	1	1	0	1	1	2	1	0	3	0	0	0	10
				11-27	0	1	1	2	0	0	1	3	7	2	2	2	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	2	1	3	1	2	2	3	10	2	2	2	31
0900	0	0	0	1-10	1	2	1	0	0	0	1	1	3	0	1	2	12
				11-27	0	1	0	4	0	0	1	1	4	4	3	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	4	0	0	2	1	8	4	4	3	31
1200	0	0	0	1-10	4	3	2	0	0	0	0	1	1	1	1	0	13
				11-27	2	1	2	0	0	0	0	0	1	3	1	7	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	6	4	4	0	0	0	0	1	3	4	2	7	31
1500	0	0	0	1-10	1	1	2	0	0	0	0	0	0	0	0	0	4
				11-27	4	4	2	1	0	0	0	1	0	2	1	11	26
				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	5	4	1	0	0	0	1	0	3	1	11	31
1800	0	0	0	1-10	2	0	2	1	0	0	0	0	0	0	0	3	8
				11-27	4	1	5	0	0	0	0	0	0	1	4	7	22
				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	1	7	1	0	0	0	0	0	1	5	10	31
2100	0	0	0	1-10	4	0	1	1	0	1	0	0	0	3	2	0	12
				11-27	4	0	3	3	0	0	0	0	2	4	2	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	8	0	4	4	0	1	0	0	2	7	4	1	32

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

EL ARISH — MARCH 1963

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	2	4	4	1	4	7	0	1	1	25
				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	1	1	0	2	4	4	1	4	9	0	1	1	28
0300	1	0	0	1-10	1	0	0	0	2	9	5	2	6	1	1	1	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	1	0	0	0	2	9	5	2	7	2	1	1	30
0600	0	0	0	1-10	0	0	1	0	3	7	3	4	7	0	1	1	27
				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	0	3	7	3	4	11	0	1	1	31
0900	0	0	0	1-10	5	3	0	2	1	1	4	0	0	1	6	1	24
				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	5	3	0	2	1	1	4	0	0	6	8	1	31
1200	0	0	0	1-10	6	3	1	0	0	0	0	1	0	0	3	9	23
				11-27	0	0	0	0	0	0	0	0	1	0	6	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	1	0	0	0	0	1	1	0	9	10	31
1500	0	0	0	1-10	5	7	2	0	0	0	0	0	0	0	4	7	25
				11-27	0	0	0	0	0	0	0	0	0	2	3	1	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	7	2	0	0	0	0	0	0	2	7	8	31
1800	2	0	0	1-10	2	5	5	0	2	1	2	0	0	0	6	4	27
				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	5	5	0	2	1	2	0	0	2	6	4	29
2100	2	0	0	1-10	2	0	0	0	5	5	3	4	1	5	1	1	27
				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	0	0	0	5	5	3	4	1	6	2	1	29

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

GHAZZA -- M A R C H 1963

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	2	2	4	8	1	2	0	3	0	0	23
				11-27	1	0	0	0	0	2	0	0	2	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	2	0	2	2	4	10	1	2	2	5	1	0	31
0300	0	0	0	1-10	1	0	0	1	4	10	3	3	1	1	0	0	24
				11-27	0	0	0	0	0	2	0	0	2	1	1	1	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	1	4	12	3	3	3	2	1	1	31
0600	0	0	0	1-10	0	1	0	0	2	12	5	3	0	0	1	0	24
				11-27	0	0	0	0	0	2	1	2	1	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	0	1	0	0	2	14	6	5	1	0	2	0	31
0900	0	0	0	1-10	1	1	1	0	0	2	1	1	5	2	2	4	20
				11-27	0	1	0	0	0	0	0	0	7	2	0	1	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	2	1	0	0	2	1	1	12	4	2	5	31
1200	0	0	0	1-10	2	1	0	0	0	0	0	0	1	4	6	2	16
				11-27	5	0	0	0	0	0	0	0	0	8	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	7	1	0	0	0	0	0	0	1	12	7	3	31
1500	0	0	0	1-10	4	2	0	0	0	0	1	0	1	2	4	3	17
				11-27	5	1	0	0	0	0	0	0	1	2	2	2	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	9	3	0	0	0	0	1	0	2	5	6	5	31
1800	1	0	0	1-10	2	2	3	5	1	2	0	0	0	1	4	2	22
				11-27	1	1	0	0	0	0	0	0	0	2	3	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	3	3	3	5	1	2	0	0	0	3	7	3	30
2100	0	0	0	1-10	0	0	4	2	6	5	1	0	0	5	0	1	24
				11-27	1	0	0	0	0	0	1	0	1	1	2	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	1	0	4	2	6	5	2	0	1	7	2	1	31

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

ABU SUEIR (A) — MARCH 1963

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
0000	7	0	0	1-10	2	0	3	1	1	2	0	1	6	1	4	1	2
				11-27	0	0	0	0	0	0	0	0	2	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	3	1	1	2	0	1	8	1	4	1	2
0300	7	0	0	1-10	1	0	3	0	2	0	0	5	8	1	1	1	2
				11-27	0	0	0	0	0	0	0	0	2	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	3	0	2	0	0	5	10	1	1	1	2
0600	5	0	0	1-10	0	0	3	1	0	2	1	2	10	0	0	1	2
				11-27	0	0	0	0	0	1	0	0	4	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	0	0	3	1	0	3	1	2	14	1	0	1	2
0900	0	0	0	1-10	1	0	4	1	0	0	1	0	2	1	0	3	1
				11-27	0	1	2	0	1	0	0	1	5	5	1	1	1
				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	6	1	1	0	1	1	7	7	1	4	3
1200	0	0	0	1-10	3	1	1	0	0	0	0	0	2	1	3	4	1
				11-27	1	1	0	0	1	0	0	1	5	2	4	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	2	1	0	1	0	0	1	7	3	7	5	3
1500	0	0	0	1-10	1	0	0	0	1	0	0	0	2	0	1	3	8
				11-27	3	6	0	0	0	0	0	1	0	3	6	3	2
				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	6	0	0	1	0	0	1	2	3	8	6	3
1800	1	0	0	1-10	7	4	2	0	0	1	0	0	1	0	0	4	1
				11-27	1	2	1	0	0	0	0	0	1	0	4	2	1
				28-47	0	0	0	0	0	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	3	0	0	1	0	0	2	0	4	6	3
2100	9	0	0	1-10	2	1	3	2	0	1	0	0	5	2	3	1	2
				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	2	1	3	2	0	1	0	0	7	2	3	1	2

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

CAIRO (A) — MARCH 1963

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	4	4	4	2	2	0	3	4	3	0	0	28
				11-27	0	0	0	1	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	4	4	5	2	2	0	3	4	3	0	0	29
0300	9	0	0	1-10	1	0	3	3	1	2	3	2	4	1	0	1	21
				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	3	4	1	2	3	2	4	1	0	1	22
0600	4	0	0	1-10	0	2	3	3	2	0	2	4	1	4	2	1	24
				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	2	3	4	2	0	3	4	2	4	2	1	27
0900	1	0	0	1-10	4	3	3	0	0	0	0	2	4	5	4	1	26
				11-27	0	1	0	0	0	0	0	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	4	4	3	0	0	0	0	3	5	6	4	1	30
1200	0	0	0	1-10	0	4	2	1	0	0	1	1	1	2	6	5	23
				11-27	1	1	0	0	0	0	0	1	1	3	1	0	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	5	2	1	0	0	1	2	2	5	7	5	31
1500	0	0	0	1-10	3	3	0	0	0	0	0	1	1	0	9	7	24
				11-27	1	1	0	0	0	0	0	1	0	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	4	4	0	0	0	0	0	2	1	1	11	8	31
1800	1	0	0	1-10	8	1	4	0	0	0	0	1	1	1	4	7	27
				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	9	2	5	0	0	0	0	1	1	1	4	7	30
2100	5	0	0	1-10	1	4	7	3	1	0	0	1	2	3	1	1	24
				11-27	0	0	0	1	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	1	4	7	4	2	0	0	1	2	3	1	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) — MARCH 1963

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
0000	0	0	0	1-10	4	1	3	1	1	1	2	1	1	4	2	2	23
				11-27	0	1	1	3	0	0	1	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	2	4	4	1	1	3	1	1	6	2	2	31
0300	1	0	0	1-10	5	2	2	0	2	0	1	2	1	4	2	2	23
				11-27	0	0	0	3	0	0	0	1	1	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	5	2	2	3	2	0	1	3	2	5	3	2	30
0600	1	0	0	1-10	3	1	0	0	1	3	0	1	4	1	0	2	16
				11-27	0	1	1	2	0	0	0	1	1	3	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	2	1	2	1	3	0	2	5	4	1	4	30
0900	0	0	0	1-10	2	0	2	0	1	1	0	0	0	0	2	1	9
				11-27	2	2	3	1	0	0	1	1	1	2	6	3	22
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	2	5	1	1	1	1	1	1	2	8	4	31
1200	0	0	0	1-10	2	1	2	0	0	0	0	0	0	2	0	3	10
				11-27	4	3	1	0	0	0	0	1	1	1	3	7	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	4	3	0	0	0	0	1	1	3	3	10	31
1500	0	0	0	1-10	1	1	2	0	0	0	0	0	0	0	0	2	6
				11-27	7	3	4	0	0	0	0	1	1	1	1	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	8	4	6	0	0	0	0	1	1	1	1	9	31
1800	0	0	0	1-10	5	0	3	1	0	0	0	0	1	0	0	0	10
				11-27	8	6	2	0	0	0	0	0	0	1	0	4	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	6	5	1	0	0	0	0	1	1	0	4	31
2100	0	0	0	1-10	5	5	2	0	1	1	0	1	0	1	3	2	21
				11-27	0	1	4	2	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	5	6	6	2	2	1	0	1	0	1	4	3	31

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

ALMAZA (A) — MARCH 1963

Hour (U.T.)	Calm	Variable	Not observed	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
0000	1	0	0	1-10	0	3	7	1	4	5	0	1	2	2	3	1	29
				11-27	0	0	0	0	1	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	3	7	1	5	5	0	1	2	2	3	1	30
0300	0	0	0	1-10	2	1	3	4	2	2	2	5	1	3	1	0	29
				11-27	0	0	0	0	1	0	1	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	3	4	3	2	3	5	4	3	1	0	31
0600	1	0	0	1-10	9	3	4	2	2	1	2	5	2	3	1	2	27
				11-27	0	0	0	1	0	0	1	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	0	3	4	3	2	1	3	5	2	4	1	2	30
0900	0	0	0	1-10	3	2	4	1	0	0	0	0	4	0	5	4	23
				11-27	0	0	2	0	0	0	0	2	0	3	1	0	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	2	6	1	0	0	0	2	4	3	6	4	31
1200	0	0	0	1-10	3	1	4	1	0	0	0	1	0	2	4	5	21
				11-27	0	3	0	0	0	0	0	2	0	3	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	4	4	1	0	0	0	3	0	5	5	6	31
1500	0	0	0	1-10	8	4	1	0	0	0	1	0	0	0	4	2	20
				11-27	0	1	3	0	0	0	1	0	1	1	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	8	5	4	0	0	0	2	0	1	1	6	4	31
1800	0	0	0	1-10	4	8	7	0	0	1	0	0	0	1	1	5	27
				11-27	1	0	2	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	5	8	9	0	0	1	0	0	1	1	1	5	31
2100	1	0	0	1-10	2	5	9	2	1	1	0	0	1	3	4	0	28
				11-27	0	0	0	0	2	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	5	9	2	3	1	0	0	1	3	4	0	30

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

ABBASIYA (H.Q) — M A R C H 1963

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	7	2	1	3	0	1	1	0	3	1	3	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	7	2	1	3	0	1	1	0	3	1	3	1	23
0300	14	0	0	1-10	4	0	0	1	0	1	3	0	3	3	0	1	16
				11-27	0	0	0	0	0	0	0	0	1	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	0	0	1	0	1	3	0	4	3	0	1	17
0600	5	0	0	1-10	6	0	1	3	1	0	2	2	3	4	1	0	23
				11-27	0	0	0	0	0	0	1	0	1	1	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	0	1	3	1	0	3	2	4	5	1	0	26
0900	0	0	0	1-10	3	6	2	0	0	0	0	3	2	3	3	4	26
				11-27	0	1	0	0	0	0	0	1	1	2	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	7	2	0	0	0	0	4	3	5	3	4	31
1200	0	0	0	1-10	5	5	0	0	0	0	0	3	1	1	1	10	26
				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	5	6	0	0	0	0	0	3	2	3	2	10	31
1500	0	0	0	1-10	11	4	0	0	0	0	0	2	0	1	3	4	25
				11-27	2	0	0	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	13	4	0	0	0	0	0	3	0	3	4	4	31
1800	2	0	0	1-10	12	8	2	0	0	0	0	0	1	1	1	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	12	8	2	0	0	0	0	0	1	1	1	4	29
2100	3	0	0	1-10	7	9	2	2	1	0	0	0	1	2	2	2	28
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	9	2	2	1	0	0	0	1	2	2	2	28

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

HELWAN — MARCH 1963

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	4	8	0	1	0	0	0	0	0	1	0	2	16
				11-27	3	3	1	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	7	11	1	1	0	0	0	0	0	1	0	2	23
0300	11	0	0	1-10	5	7	1	0	1	0	0	0	0	0	0	4	18
				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	8	1	0	1	0	0	0	0	0	0	4	20
0600	10	0	0	1-10	4	3	5	2	2		1	0	0	0	0	0	18
				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	5	5	5	2	2	1	1	0	0	0	0	0	21
0900	5	0	0	1-10	5	1	1	0	0	0	1	3	0	2	2	3	18
				11-27	0	1	0	0	0	0	1	0	1	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	5	2	1	0	0	0	2	3	1	4	4	4	26
1200	1	0	0	1-10	5	1	1	0	0	0	4	0	0	3	1	3	18
				11-27	1	2	0	0	0	0	0	1	0	2	3	2	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	6	3	1	0	0	0	4	1	0	6	4	5	30
1500	0	0	0	1-10	7	0	2	0	0	0	1	1	0	1	3	2	17
				11-27	1	1	0	0	0	0	2	0	0	2	2	6	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	1	2	0	0	0	3	1	0	3	5	8	31
1800	2	0	0	1-10	6	1	1	0	0	0	0	2	0	1	2	1	14
				11-27	6	2	0	0	0	0	0	0	0	1	2	3	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	1	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	3	1	0	0	0	0	2	0	2	4	5	29
2100	2	0	0	1-10	9	1	0	0	0	0	0	0	0	0	2	2	14
				11-27	4	8	1	1	0	0	0	0	0	0	0	1	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	9	1	1	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.

MINYA (A) — M A R C H 1963

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 / 131	135 / 164	165 / 191	195 / 224	225 / 254	255 / 284	285 / 314	315 / 344	All directions
0000	5	0	0	1-10	16	1	0	0	1	0	1	0	0	0	1	6	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	16	1	0	0	1	0	1	0	0	0	1	6	26
0300	7	0	0	1-10	10	0	0	0	0	0	2	0	0	0	1	11	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	10	0	0	0	0	0	2	0	0	0	1	11	24
0600	2	0	0	1-10	9	0	0	0	0	1	2	1	0	0	2	11	26
				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	12	0	0	0	0	1	2	1	0	0	2	11	29
0900	0	0	0	1-10	2	7	2	1	0	0	1	2	0	0	1	7	23
				11-27	2	3	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	4	10	2	1	0	0	1	2	0	0	1	10	31
1200	0	0	0	1-10	4	3	0	0	0	0	2	0	0	1	2	4	16
				11-27	9	2	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	13	5	0	0	0	0	2	0	0	1	3	7	31
1500	0	0	0	1-10	7	8	0	0	0	0	0	1	0	0	1	4	21
				11-27	7	0	0	0	0	0	0	0	0	0	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	14	8	0	0	0	0	0	1	0	0	2	6	31
1800	4	0	0	1-10	9	6	2	0	0	1	1	0	0	0	2	0	21
				11-27	4	1	0	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	13	7	2	0	0	1	1	0	0	0	3	0	27
2100	4	0	0	1-10	9	2	0	0	0	1	1	1	0	1	1	7	23
				11-27	2	2	0	0	0	0	0	0	0	0	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	4	0	0	0	1	1	1	0	1	1	7	27

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

ASYOUT (A) — MARCH 1963

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	1	0	2	0	0	0	4	15	2	1	25
				11-27	1	0	0	0	0	0	0	0	0	0	1	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	1	0	2	0	0	0	4	15	3	1	27
0300	4	0	0	1-10	0	0	0	1	0	0	0	0	4	21	0	0	26
				11-27	0	0	0	0	0	0	0	0	0	1	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	1	0	0	0	0	4	22	0	0	27
0600	2	0	0	1-10	0	0	2	2	0	0	0	1	1	13	6	0	25
				11-27	0	0	0	0	0	0	0	0	0	2	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	0	0	2	2	0	0	0	1	1	15	8	0	29
0900	1	0	0	1-10	3	2	1	0	1	1	0	0	1	2	2	3	16
				11-27	4	0	0	0	0	1	0	0	0	0	3	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	7	2	1	0	1		0	0	1	2	5	9	30
1200	1	0	0	1-10	2	1	0	0	0	0	0	0	0	1	3	2	9
				11-27	4	0	0	0	0	1	0	0	0	0	7	8	20
				28-47	0	0	0	0	0	0	0	0	0	0	1	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	1	0	0	0	1	0	0	0	1	11	10	30
1500	0	0	0	1-10	2	0	0	0	0	0	0	1	0	1	4	10	18
				11-27	1	0	0	0	0	0	0	0	0	0	7	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	3	0	0	0	0	0	0	1	0	1	11	15	31
1800	6	0	0	1-10	1	0	0	1	0	0	0	0	3	7	8	4	24
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	1	0	0	0	0	3	7	8	4	25
2100	6	0	0	1-10	0	0	0	0	1	0	0	0	9	10	2	0	22
				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	1	0	0	0	1	0	0	0	9	10	4	0	25

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

LUXOR (A) — MARCH 1963

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	284 / 255	285 / 314	315 / 344
0000	15	0	0	1-10	3	2	0	0	1	0	2	3	3	0	0	1
				11-27	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
				≧ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	2	0	0	1	0	2	3	3	0	0	2
0300	16	0	0	1-10	3	1	0	0	1	1	1	2	3	0	1	1
				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	3	1	0	0	1	1	1	2	3	1	1	1
0600	14	0	0	1-10	5	0	2	1	0	1	1	3	3	0	0	0
				11-27	1	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0
				≧ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	0	2	1	0	1	1	3	3	0	0	0
0900	0	0	0	1-10	7	11	3	1	0	0	0	0	0	1	0	2
				11-27	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
				≧ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	11	3	1	0	0	0	0	0	1	0	6
1200	0	0	0	1-10	7	5	1	0	1	0	0	0	0	0	2	7
				11-27	2	1	0	0	0	0	0	0	0	0	0	5
				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	9	6	1	0	1	0	0	0	0	0	2	12
1500	2	0	0	1-10	8	3	0	0	0	0	0	0	0	1	0	10
				11-27	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
				≧ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	3	0	0	0	0	0	0	0	1	0	14
1800	8	0	0	1-10	0	0	0	1	0	0	0	1	0	2	5	11
				11-27	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
				≧ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	1	0	0	0	1	0	2	5	14
2100	7	0	0	1-10	2	3	1	0	1	0	5	2	2	0	0	5
				11-27	1	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
				≧ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	3	1	0	2	0	5	2	2	0	0	6

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

ASWAN (A) — MARCH 1963

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	10	6	0	0	0	2	0	0	0	0	1	1	20
				11-27	8	2	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	18	8	0	0	0	2	0	0	0	0	1	2	31
0300	0	0	0	1-10	11	6	0	0	0	0	1	0	0	0	1	2	21
				11-27	6	3	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	17	9	0	0	0	0	1	0	0	0	1	3	31
0600	0	0	0	1-10	11	9	0	1	0	0	0	0	0	0	0	0	21
				11-27	4	4	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	15	13	0	1	0	0	0	0	0	0	0	2	31
0900	0	0	0	1-10	3	5	0	1	0	1	0	0	0	0	0	0	10
				11-27	7	12	1	0	0	0	0	0	0	0	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	10	17	1	1	0	1	0	0	0	0	0	1	31
1200	0	0	0	1-10	2	6	1	0	0	1	0	0	0	0	2	1	13
				11-27	8	7	0	0	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	10	13	1	0	0	1	0	0	0	0	2	4	31
1500	0	0	0	1-10	3	1	1	0	0	1	0	0	0	0	0	0	6
				11-27	14	7	0	0	0	0	0	0	0	0	2	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	17	8	1	0	0	1	0	0	0	0	2	2	31
1800	0	0	0	1-10	7	2	0	0	0	0	0	0	0	1	0	1	11
				11-27	13	0	0	0	0	0	0	0	0	0	0	7	20
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	20	2	0	0	0	0	0	0	0	1	0	8	31
2100	0	0	0	1-10	11	5	0	0	0	0	0	0	0	0	0	3	19
				11-27	6	1	0	0	0	0	0	0	0	0	1	3	11
				28-47	1	0	0	0	0	0	0	0	0	0	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	18	6	0	0	0	0	0	0	0	0	1	6	31

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

SIWA – MARCH 1963

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	3	6	1	0	0	1	0	3	2	1	18
				11-27	0	0	0	1	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	1	0	3	7	1	0	0	1	0	4	3	2	22
0300	10	0	0	1-10	3	0	3	3	2	0	0	2	0	4	1	0	18
				11-27	0	0	0	0	1	0	0	0	0	0	2	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	3	3	3	0	0	2	0	4	3	0	21
0600	11	0	0	1-10	0	1	2	4	2	2	0	1	0	3	4	0	19
				11-27	0	0	0	1	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	2	5	2	2	0	1	0	3	4	0	20
0900	1	0	0	1-10	0	1	1	2	4	2	6	0	0	4	3	0	23
				11-27	0	0	0	0	0	1	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	0	1	1	2	4	3	6	0	0	6	5	2	30
1200	0	0	0	1-10	1	2	0	0	2	0	1	3	1	5	6	1	22
				11-27	0	0	0	0	1	1	1	0	0	1	4	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	1	2	0	0	3	1	2	3	1	6	10	2	31
1500	0	0	0	1-10	2	1	0	0	2	1	0	0	2	2	6	4	20
				11-27	0	0	0	0	1	1	1	0	1	2	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	2	1	0	0	3		1	0	3	4	8	7	31
1800	5	0	0	1-10	2	1	1	2	1	2	0	0	3	3	7	0	22
				11-27	0	0	1	0	1	0	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	2	1	2	2	2	2	0	0	3	4	8	0	26
2100	10	0	0	1-10	1	1	3	3	1	1	0	2	0	6	1	0	19
				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	1	3	4	1	1	0	2	0	6	2	0	21

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

BAHARIYA – MARCH 1963

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	20	0	0	1-10	2	3	2	1	0	0	0	0	1	0	0	0	9
				11-27	0	0	0	0	0	0	0	0	0	0	1	1	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≧ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	3	2	1	0	0	0	0	1	0	1	1	11
0300	22	0	0	1-10	1	3	0	0	0	1	0	0	0	1	2	0	8
				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	4	0	0	0	1	0	0	0	1	2	0	9
0600	21	0	0	1-10	1	1	1	1	0	0	0	1	0	0	2	0	7
				11-27	0	1	0	0	1	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	1	2	1	1	1	0	0	1	0	1	2	0	10
0900	1	0	0	1-10	4	4	2	1	0	2	1	0	0	1	0	3	18
				11-27	3	1	0	1	1	0	0	0	0	2	3	1	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≧ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	5	2	2	1	2	1	0	0	3	3	4	30
1200	1	0	0	1-10	7	1	2	1	0	1	1	0	0	1	2	1	17
				11-27	2	1	0	1	0	1	0	0	1	2	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	9	2	2	2	0	2	1	0	1	3	5	3	30
1500	1	0	0	1-10	4	3	3	1	1	0	0	0	1	1	1	4	19
				11-27	1	0	0	0	0	1	0	0	0	2	3	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	5	3	3	1	1	1	0	0	1	3	4	8	30
1800	5	0	0	1-10	6	1	1	1	1	1	0	0	0	3	3	5	22
				11-27	0	1	0	0	0	0	0	0	0	0	0	3	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≧ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	2	1	1	1	1	0	0	0	3	3	8	26
2100	17	0	0	1-10	2	3	1	0	0	0	0	0	0	1	2	1	10
				11-27	0	1	0	0	1	0	0	0	0	0	1	1	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≧ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	4	1	0	1	0	0	0	0	1	3	2	14

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

FARAFRA – MARCH 1963

Hour (U.T.)	Calm	Variable	Not observe.	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	11	0	0	1-10	8	0	2	0	0	2	0	1	0	0	1	2	16
				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	8	0	2	0	0	2	0	1	0	0	2	5	20
0300	—	—	—	1-10	—	—	—	—	—	—	—	—	—	—	—	—	—
				11-27	—	—	—	—	—	—	—	—	—	—	—	—	—
				28-47	—	—	—	—	—	—	—	—	—	—	—	—	—
				≥ 48	—	—	—	—	—	—	—	—	—	—	—	—	—
				All speeds	—	—	—	—	—	—	—	—	—	—	—	—	—
0600	17	0	0	1-10	5	1	0	0	0	0	0	1	0	1	1	3	12
				11-27	0	0	0	0	0	0	0	0	0	0	0	2	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	1	0	0	0	0	0	1	0	1	1	5	14
0900	3	0	0	1-10	4	2	2	3	2	0	0	3	0	1	1	0	18
				11-27	1	3	2	0	0	0	1	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	5	5	4	3	2	0	1	3	0	1	1	3	28
1200	1	0	0	1-10	2	3	0	2	2	0	0	2	1	0	1	7	20
				11-27	1	0	0	2	0	1	0	0	0	1	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	3	3	0	4	2	1	0	2	1	1	3	10	30
1500	3	0	0	1-10	3	0	1	3	1	0	1	0	0	1	1	6	17
				11-27	2	2	0	1	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	5	2	1	4	1	0	1	0	0	1	3	10	28
1800	1	0	0	1-10	8	3	2	0	1	1	0	0	1	2	3	6	27
				11-27	1	0	0	0		0	0	0	0	0	1	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	3	2	0	2	1	0	0	1	2	4	6	30
2100	6	0	0	1-10	3	3	1	1	1	1	1	0	1	0	3	7	22
				11-27	0	0	0	0	0	1	0	0	0	0	2	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	3	1	1	1	2	1	0	1	0	5	7	25

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

DAKHLA – MARCH 1963

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	2	0	1	1	3	2	1	1	3	8	1	23
				11-27	2	0	0	0	0	0	0	0	1	0	0	1	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	0	1	1	3	2	1	2	3	8	2	27
0300	9	0	0	1-10	0	0	0	1	1	0	2	2	1	4	7	1	19
				11-27	1	1	0	0	0	0	0	0	1	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	0	1	1	0	2	2	2	4	7	1	22
0600	5	0	0	1-10	2	0	1	2	1	0	1	3	3	5	2	2	22
				11-27	0	1	0	0	0	0	0	0	0	0	0	3	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	1	2	1	0	1	3	3	5	2	5	26
0900	1	0	0	1-10	2	1	1	3	2	2	2	0	0	1	1	4	19
				11-27	5	2	0	0	0	1	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	7	3	1	3	2	3	2	0	0	1	2	6	30
1200	0	0	0	1-10	2	2	1	1	2	1	1	0	0	3	0	3	16
				11-27	7	0	1	0	0	0	0	0	1	0	0	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	2	2	1	2	1	1	0	1	3	0	9	31
1500	0	0	0	1-10	4	2	1	0	1	0	1	0	0	0	1	6	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	12	2	1	0	1	0	1	0	0	0	1	13	31
1800	3	0	0	1-10	8	3	2	0	0	0	1	0	0	1	1	7	23
				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	11	3	2	0	0	0	1	0	0	1	1	9	28
2100	3	0	0	1-10	3	0	0	1	0	3	2	0	3	2	6	6	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	4	1	0	1	0	3	2	0	3	2	6	6	28

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

KHARGA – MARCH 1963

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from ranges of directions indicated											
					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	23	0	0	1-10	5	0	0	0	0	0	0	0	0	0	0	0
				11-27	3	0	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	8	0	0	0	0	0	0	0	0	0	0	0
0300	24	0	0	1-10	5	0	0	0	0	0	0	0	0	0	0	0
				11-27	2	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	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
0600	17	0	0	1-10	12	0	0	0	0	0	0	0	0	0	0	0
				11-27	2	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	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	0
0900	5	0	0	1-10	13	1	1	1	0	0	0	1	0	0	0	0
				11-27	5	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	18	3	1	1	0	0	0	1	0	0	0	2
1200	2	0	0	1-10	17	1	0	0	0	0	0	1	0	0	1	0
				11-27	7	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
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	24	1	0	0	0	1	0	1	0	0	1	1
1500	6	0	0	1-10	13	3	0	0	0	0	0	1	0	0	0	0
				11-27	8	0	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	21	3	0	0	0	0	0	1	0	0	0	0
1800	19	0	0	1-10	7	0	0	0	0	0	0	0	0	0	0	0
				11-27	5	0	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	12	0	0	0	0	0	0	0	0	0	0	0
2100	22	0	0	1-10	7	0	0	0	0	0	0	0	0	0	0	0
				11-27	2	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	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

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

TOR -- MARCH 1963

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

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

HURGHADA – MARCH 1963

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	[illegible]
0000	0	0	0	1-10	0	0	0	0	0	1	0	0	1	1	7	0	[illegible]
				11-27	0	0	0	0	0	0	0	0	0	2	10	7	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	2	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	0	0	0	0	0	1	0	0	1	3	17	9	[illegible]
0300	1	0	0	1-10	0	0	0	0	0	0	0	0	0	1	7	2	[illegible]
				11-27	0	0	0	0	0	0	0	0	0	3	9	4	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	4	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	0	0	0	0	0	0	0	0	0	4	16	10	[illegible]
0600	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	5	1	[illegible]
				11-27	0	0	0	0	0	0	0	0	0	0	11	10	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	1	3	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	0	0	0	0	0	0	0	0	0	0	17	14	[illegible]
0900	0	0	0	1-10	0	2	1	0	0	0	0	0	0	0	0	1	[illegible]
				11-27	8	0	0	0	0	0	0	0	0	0	0	16	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	3	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	8	2	1	0	0	0	0	0	0	0	0	20	[illegible]
1200	0	0	0	1-10	0	4	1	2	0	0	0	0	0	0	0	0	[illegible]
				11-27	11	4	0	0	0	0	0	0	0	0	1	4	[illegible]
				28-47	1	0	0	0	0	0	0	0	0	0	0	3	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	12	8	1	2	0	0	0	0	0	0	1	7	31
1500	0	0	0	1-10	2	2	1	1	1	2	0	0	0	0	0	1	[illegible]
				11-27	8	0	0	0	0	0	0	0	0	0	0	11	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	1	1	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	10	2	1	1	1	2	0	0	0	0	1	13	31
1800	2	0	0	1-10	0	0	0	0	0	0	1	1	1	0	3	4	[illegible]
				11-27	0	0	0	0	0	0	0	0	0	0	4	12	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	3	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	0	0	0	0	0	0	1	1	1	0	7	19	[illegible]
2100	0	0	0	1-10	1	0	0	0	0	1	0	0	0	1	5	1	[illegible]
				11-27	0	0	0	0	0	0	0	0	0	3	13	5	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	1	[illegible]
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				All speeds	1	0	0	0	0	1	0	0	0	4	18	7	31

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

QUSEIR — MARCH 1963

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	10	9	0	19
				11-27	0	0	0	0	0	0	0	0	0	1	3	7	11
				28-47	1	0	0	0	0	0	0	0	0	0	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	0	0	0	11	12	7	31
0300	1	0	0	1-10	0	0	0	0	0	0	0	0	0	11	6	2	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	2	0	0	0	0	0	0	0	0	12	6	10	30
0600	1	0	0	1-10	1	0	0	0	0	0	0	0	0	3	7	2	13
				11-27	0	0	0	0	0	0	0	0	0	1	2	11	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	2	2
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	0	0	0	4	9	16	30
0900	0	0	0	1-10	4	3	0	0	0	0	0	0	0	0	0	0	7
				11-27	18	0	0	0	0	0	0	0	0	0	0	5	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	23	3	0	0	0	0	0	0	0	0	0	5	31
1200	0	0	0	1-10	3	3	1	0	0	0	0	0	0	0	0	2	9
				11-27	17	3	0	0	0	0	0	0	0	0	1	1	22
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	20	6	1	0	0	0	0	0	0	0	1	3	31
1500	0	0	0	1-10	13	1	0	3	0	0	0	0	0	0	0	2	19
				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	3	0	0	0	0	0	0	1	3	31
1800	8	0	0	1-10	1	0	0	0	0	0	1	0	0	6	5	2	15
				11-27	5	0	0	0	0	0	0	0	0	0	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	6	0	0	0	0	0	1	0	0	6	7	3	23
2100	5	0	0	1-10	0	0	0	0	0	0	0	0	0	9	4	4	17
				11-27	2	0	0	0	0	0	0	0	0	0	3	3	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	0	0	0	0	0	0	0	9	7	8	26

Table B 1. — UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — MARCH 1963

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	1014mb.*	1024mb.*	1002mb.*	30	13.3	17.0	8.6	30	7.5
1000	30	158	241	59	30	13.8	18.0	9.6	30	6.9
850	30	1514	1570	1454	30	7.1	20.1	—1.6	28	—3.6
700	30	3084	3162	3011	30	—1.6	6.4	—9.9	20	—13.8
600	30	4296	4399	4197	30	—8.9	—2.4	—16.9	11	—17.2
500	30	5682	5809	5538	30	—18.3	—8.6	—26.9	9	—22.0
400	30	7312	7459	7112	30	—29.4	—23.5	—37.9	8	—31.2
300	30	9308	9469	9092	30	—42.9	—35.4	—48.7	1	—38.0
200	30	11957	12127	11757	30	—54.8	—48.2	—61.1	—	—
150	28	13777	13925	13578	28	—60.6	—54.6	—65.4	—	—
100	14	16261	16364	16114	14	—68.8	—62.8	—71.0	—	—
60	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—
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. — MARCH 1963

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	1014mb.*	1024mb.*	1000mb.*	29	18.2	26.7	14.0	29	8.6
1000	29	158	242	42	29	16.8	26.7	11.9	29	6.9
850	29	1518	1578	1438	29	7.4	19.5	0.1	26	—3.9
700	29	3093	3158	3018	29	—1.8	—9.3	—9.3	19	—14.4
600	29	4303	4398	4140	29	—8.1	—2.4	—13.6	10	—16.1
500	29	5692	5821	5504	29	—17.2	—12.2	—22.0	8	—21.8
400	29	7332	7485	7124	29	—28.6	—22.3	—34.7	4	—26.8
300	27	9337	9518	9162	27	—42.8	—35.8	—47.8	1	—40.9
200	25	11980	12201	11810	25	—54.9	—48.5	—62.4	—	—
150	24	13808	13982	13641	24	—59.8	—55.1	—65.0	—	—
100	18	16300	16475	16154	18	—65.6	—58.1	—71.7	—	—
60	5	19479	19635	19400	5	—59.5	—56.0	—65.6	—	—
40	1	22279	—	—	1	—42.0	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
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 1963

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	1000mb.*	1007mb.*	992mb.*	27	13.6	22.6	7.4	27	3.5
1000	27	145	198	76	19	12.4	17.2	8.3	19	4.6
850	27	1509	1566	1472	27	8.8	19.4	—0.6	19	—3.6
700	27	3093	3161	3025	27	1.4	8.2	—6.5	11	—12.2
600	27	4318	4397	4225	27	—5.9	1.2	—15.2	11	—18.2
500	27	5723	5813	5603	27	—14.6	—9.1	—19.7	4	—21.5
400	27	7378	7481	7220	27	—26.0	—20.2	—32.7	7	—29.6
300	26	9397	9574	9183	26	—40.7	—34.6	—47.8	4	—41.8
200	25	12065	12297	11693	25	—54.1	—50.9	—56.8	—	—
150	19	13885	14100	13543	19	—61.3	—55.5	—65.6	—	—
100	11	16358	16452	16249	11	—68.7	—64.2	—71.8	—	—
60	7	19443	19543	19387	7	—64.0	—61.6	—66.0	—	—
40	2	22012	22117	21907	2	—56.8	—56.5	—57.2	—	—
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 1963

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.*	1006mb.*	990mb.*	29	21.8	23.8	15.8	29	0.4
1000	29	137	191	60	13	18.9	24.1	15.3	13	—0.7
850	29	1506	1543	1467	29	8.8	22.1	1.4	23	—7.0
700	29	3086	3140	3029	29	0.4	8.0	—9.6	13	—14.1
600	29	4308	4382	4215	29	—5.5	—1.7	—14.1	10	—17.9
500	29	5711	5806	5601	29	—14.9	—10.0	—20.0	8	—22.1
400	29	7363	7450	7220	29	—26.4	—19.9	—32.4	6	—28.8
300	28	9389	9520	9179	28	—40.5	—34.8	—47.1	2	—40.9
200	23	12060	12194	11829	23	—54.1	—49.6	—58.8	—	—
150	15	13874	14022	13688	15	—60.9	—54.8	—66.0	—	—
100	12	16340	16464	16244	12	—67.4	—58.1	—73.1	—	—
60	6	19435	19564	19371	6	—63.1	—60.0	—66.0	—	—
40	2	21992	22003	21981	2	—52.4	—51.9	—52.9	—	—
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 1963

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

Pressure surface (millibar)	Altitude of pressure surface				Temperature °C				Dew point °C	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station	24	991mb.*	997mb.*	985mb.*	24	16.5	26.2	8.8	24	−2.3
1000	—	—	—	—	—	—	—	—	—	—
850	24	1492	1509	1454	24	12.8	23.7	2.4	8	−7.5
700	24	3098	3139	3043	24	5.0	10.6	−1.7	−13.6	−13.1
600	24	4328	4396	4261	24	1.8	5.0	6.4	7	−14.8
500	24	5761	5829	5663	24	−11.8	−8.4	−16.9	5	−21.0
400	24	7432	7521	7315	24	−21.1	−20.3	−27.7	5	−32.6
300	24	9473	9577	9332	24	−37.0	−33.0	−43.0	—	—
200	23	12175	12294	12042	23	−56.6	−49.8	−62.1	—	—
150	23	13952	14131	13826	23	−67.9	−60.3	−71.0	—	—
100	17	16406	16592	16178	17	−77.2	−69.0	−81.3	—	—
60	13	19334	19635	19222	13	−67.7	−55.1	−72.4	—	—
40	7	21777	21993	21682	7	−61.8	−57.4	−64.8	—	—
30	1	24519	—	—	1	−55.1	—	—	—	—
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. — MARCH 1963

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

Pressure surface (millibar)	Altitude of pressure surface				Temperature °C				Dew point	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station	22	990mb.*	995mb.*	984mb.*	22	28.2	35.8	20.4	22	1.6
1000	—	—	—	—	—	—	—	—	—	—
850	22	1505	1529	1449	22	15.7	23.3	5.6	6	−5.6
700	22	3129	3169	3097	22	7.9	11.0	2.8	5	−9.3
600	22	4381	4427	4339	22	0.4	4.2	−2.6	8	10.9
500	22	5816	5879	5759	22	−10.1	−4.0	14.5	5	−19.5
400	22	7502	7591	7420	22	21.4	17.0	−25.9	4	−28.6
300	22	9561	9672	9463	22	34.8	−30.2	42.3	—	—
200	19	12287	12411	12153	19	−51.5	−51.9	−57.0	—	—
150	19	14083	14182	13955	19	−65.8	−62.0	−69.6	—	—
100	18	16471	16586	16354	18	−75.8	−72.5	−80.7	—	—
60	11	19505	19643	19318	11	−66.8	−60.1	−71.7	—	—
40	4	21961	22077	21893	4	−58.8	−51.8	−71.0	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

0000 U.T. -- MARCH 1963

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)	2710 (30)	724 (30)	—7.1 (20)	4090	620	11.2	1330	866	1.9	11140 (25)	229 (25)	—51.6 (25)	15060	124	70.2	9890	274	44.6	8000	360	260	163
Helwan	3127 (27)	700 (27)	—9.9 (15)	4500	588	16.3	1450	857	5.1	11444 (19)	227 (19)	—53.7 (19)	15520	114	—69.1	9120	312	—42.0	12500	186	260	152
Aswan ... (A)	3820 (21)	638 (24)	—11.3 (1)	4570	584	—	2360	763	—	14933 (17)	130 (17)	—73.2 (17)	16100	100	—81.3	12720	180	—66.7	9900	282	260	178

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

12 00 U.T. -- MARCH 1963

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 (°C)	Pressure (mb.)	Direction (000 — 360)°	Speed in knots
	(N)	(N)	(N)							(N)	(N)	(N)										
Mersa Matruh (A)	2854 (29)	721 (29)	—8.8 (19)	3930	636	—	1600	848	—6.9	10915 (24)	237 (24)	—53.4 (24)	13330	167	—64.5	9740	282	—46.0	10500	260	260	124
Helwan	2987 (29)	712 (29)	—10.4 (17)	4040	626	—12.0	1630	826	—7.4	10572 (16)	255 (16)	—49.5 (16)	13420	162	—60.6	8900	322	—41.5	8870	322	270	158
Aswan ... (A)	4350 (22)	603 (22)	—14.3 (7)	5020	557	—17.6	3850	639	—13.0	14990 (18)	131 (18)	—71.4 (18)	17913	80	—73.8	12600	188	—59.3	4200	614	240	156

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 1963

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	10	3	12	1	10	1	3	3	18	1	13	1	15	1	13	5	10	7	13	2	14	0	—	0	30	12
1000	2	10	3	12	1	10	1	3	3	18	1	13	1	15	1	13	5	10	7	13	2	14	0	—	0	30	12
850	4	11	0	—	1	12	0	—	0	—	0	—	1	42	3	8	2	17	7	24	6	28	6	26	0	30	22
700	2	11	1	12	0	—	0	—	0	—	0	—	0	—	1	10	3	34	6	29	9	30	8	29	0	30	28
600	0	—	1	8	0	—	0	—	0	—	0	—	0	—	1	25	1	28	11	35	13	35	3	40	0	30	34
500	0	—	1	8	0	—	0	—	0		0	—	0	—	1	30	0	—	13	44	13	41	2	44	0	30	41
400	0	—	0	—	0	—	0	—	0		0	—	0	—	0		1	59	15	66	10	53	2	42	0	28	59
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	92	8	58	6	67	2	57	0	18	65
200	0	—	0	—	0	—	0	—	0		0	—	0	—	0	—	1	40	3	71	4	83	1	25	0	9	69
150	0	—	0	—	0	—	0	—	0	—	0		0	—	0	—	0	—	1	89	1	68	0	—	0	2	78
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

MERSA MATRUH (A) — 1200 U.T. -- MARCH 1963

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	6	13	1	15	2	21	0	--	0	—	2	23	1	13	0	--	0	—	2	19	11	18	0	29	16
1000	4	11	6	13	1	15	2	21	0	--	0	—	2	23	1	13	0		0	—	2	19	11	18	0	29	16
850	3	17	2	16	0	—	0	—	0	—	0	—	1	16	1	12	2	19	6	17	10	24	4	16	0	29	19
700	1	25	0	—	0	—	0	—	0	—	0	—	0	—	2	26	1	32	8	29	13	23	4	27	0	29	26
600	2	29	0	—	0	—	0	—	0	—	0	—	0	—	2	39	3	21	10	41	1	33	1	31	0	29	35
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	41	1	50	12	49	9	52	4	40	0	28	48
400	0	35	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	69	12	57	8	62	1	78	0	26	59
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	37	7	69	5	58	2	31	0	15	54
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	94	3	65	2	81	2	42	0	8	67
150	0	—	0	—	0	—	0	—	0		0	—	0	—	0	—	0	—	1	83	0	—	1	41	0	2	62
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

HELWAN — 0000 U.T. — MARCH 1963

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	10	8	10	2	8	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	—	2	10	6	27	7
1000	6	10	6	11	2	8	0	—	0	—	0	—	0	—	0	—	0	—	0	18	7	7	3	10	1	19	9
850	3	16	0	—	0		0	—	0	—	1	14	0	—	0	—	2	22	4	31	11	18	7	19	2	26	17
700	1	15	0		0	—	0	—	0	—	0	—	0	—	2	15	3	25	7	44	10	32	1	29	1	26	28
600	2	28	0	—	0	—	0	—	0	—	0	—	0	—	1	20	4	42	9	—	0	42	0	—	0	26	41
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	58	10	55	10	49	0	—	0	25	53
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	29	4	69	9	67	7	60	0	—	0	21	63
300	0	—	0	—	0	—	0	—	0	—	0	—	4	—	0	—	2	42	9	83	3	76	0	—	0	14	76
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	100	6	93	0	—	1	87	0	10	94
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 -- 1200 U.T. -- MARCH 1963

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 direction during the month.

Pressure surface (millibar)	Wind between specified ranges of direction (000-360)°																								Number of calm winds	Total number of observation (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	13	2	12	1	9	0	—	0	—	0	—	4	9	0	—	0	—	6	12	3	19	4	8	1	29	11
1000	3	9	2	18	1	9	0	—	0	—	0	—	1	7	0	—	0	—	2	10	2	12	2	9	0	13	11
850	5	10	3	13	1	13	1	5	0	—	1	5	0	—	1	11	2	26	7	17	5	16	4	22	0	29	16
700	1	18	0	—	0	—	1	11	0	—	0	—	0	—	0	—	3	17	12	32	9	27	3	27	0	29	27
600	0	—	0	—	1	6	0	—	0	—	0	—	0	—	2	26	6	39	13	51	5	45	2	24	0	29	42
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	14	5	46	15	55	7	45	1	27	0	29	49
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	24	6	64	13	64	3	71	1	40	0	24	67
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	85	6	84	4	68	1	45	0	15	72
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	104	5	97	1	91	0	—	0	3	98
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	72	1	110	0	—	0	8	85
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 1963**

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 direction 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	13	0	—	1	12	0		0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	14	1	24	12
1000	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—	—			—	—	—	—	—	—	—
850	11	16	4	18	1	18	1	12	0	—	0		0	—	1	5	1	5	0	—	2	12	3	13	0	24	15
700	3	12	1	15	0		0		0	—	0		0	—	0	—	5	29	8	23	5	18	2	22	0	24	22
600	1	36	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	24	14	43	1	32	1	6	0	22	35
500	1	48	0	—	0	—	0	—	0	—	0	—	0		1	2	7	36	12	41	1	74	0	—	0	24	39
400	0	—	0	—	0	—	0	—	0		0	—	0	—	0	—	9	59	10	56	2	100	1	75	0	22	62
300	0	—	0	—	0	—	0	—	0		0		0	—	0	—	6	61	8	74	1	65	1	92	0	16	70
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	75	3	76	1	99	0	—	0	8	78
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	34	1	81	0	—	0	—	0	2	57
100	0	—	1	47	0	—	0	—	0		0		0	—	0	—	1	84	0	—	0	—	0	—	0	2	66
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 1963

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 direction 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	16	1	5	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	8	2	22	13
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	4	15	3	19	2	12	1	13	1	33	0	—	0	—	0	—	2	5	2	26	3	14	1	22	0	22	17
700	1	14	0	—	0	—	0	—	0	—	2	7	0	—	2	28	5	41	7	38	2	30	3	25	0	22	31
600	0	—	0	—	0	—	0	—	0	—	1	87	0	—	2	28	6	55	11	40	0	—	1	14	0	21	44
500	0	—	0	—	0	—	0	—	0	—	1	15	0	—	0	—	9	50	7	54	1	24	0	—	0	18	48
400	0	—	0	—	0	—	0	—	0	—	1	13	0	—	0	—	1	92	8	60	2	63	0	—	0	15	66
300	0	—	0	—	0	—	0	—	0	—	1	44	0	—	0	—	1	66	4	65	2	121	0	—	0	8	73
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	111	0	—	0	—	0	2	111
150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

REVIEW OF AGRO-METEOROLOGICAL STATION AT GIZA

MARCH 1963

This month was slightly colder and drier than the normal for Giza during March. The mean air perature at 2 metres above ground, the mean relative humidity and the total rainfall were below mal by 0.3 °C , 3% & 3.3mms. respectively. The month was characterized by a cold wave between 4th. and the 9th. and two short cold spells on the 15th. , and on the 18th. & 19th. During this month, e heat waves occurred after the first ten days of the month. The second heat wave was the t intense and gave the absolute maximum air temperature for the month, and the lowest relative nidity on the 23rd.

The minimum air temperature at 5 cms. above grass (Libia) fell below 0 °C on four days only ring the first ten days of the month ; the duration of air temperature below 0 °C on these days are en in the following table together with the actual values of minimum air temperature : —

Date	Minimum air temperature	Duration in hours (to the nearest half) of air temperature below the following limits :	
	°C	0 °C	— 1 °C
1	— 0.4	0.5	0
6	— 0.7	0.5	0
7	— 2.0	2.5	1.5
10	— 1.2	1.0	0

The extreme maximum soil temps. at 0.3 cm. depth and at depths between 5 & 10 cms. inclusive e lower than the corresponding values of March 1962 ; the maximum deviation was + 2.6 °C at 0.3 depth. At 1 & 2 cms. depths, the values were higher than the corresponding values of last March 5.1 & 2.9 °C respectively. The extreme minimum soil temperatures at depths between 0.3 & 20 cms. lusive were lower than the corresponding values of March 1962. The maximum deviation was C at 1 cm. depth. At 50 & 100 cms. depths, the values were higher than the corresponding values last March by 0.5 & 1.1 °C respectively.

The mean daily wind speed at 2 metres above the ground was lower than the corresponding value March 1962 (— 0.5 m/sec.). The mean daily vaules of Piche evaporation, water pan evapora- potential evaporation and potential evapotranspiration were lower than the corresponding values last March (—0.9, —0.88, — 0.4 & — 0.6 mm. respectively). The total actual duration of bright shine was 6.0 hours less than the corresponding value of March 1962.

REVIEW OF AGRO-METEOROLOGICAL STATION AT TAHRIR

MARCH 1963

This month suffered as usual from several heat waves the break down of which caused a dr maximum temperatures varying between 6.7 & 10.6 °C. The cold front associated with the la drop in temperature gave the major amount of rainfall of the month.

Two of the heat waves with peaks on 23rd. & 28th., raised the daily maximum temperature a 30 °C. The first gave the extreme maximum temperature, and the second gave the lowest rel humidity and the highest Piche & pan «A» evaporation.

Comparing the monthly values of the different elements with those of last March, we find the mean air temperature relative humidity, and vapour pressure differed by —2.4 °C. + 1%, mm. respectively. Piche and pan «A» evaporation were lower in the mean by 2.9 & 1.19 mms. resp vely. Actual sunshine duration and total (Solar+Sky) radiation were higher by 17.4 hours and gm. cal. cm² respectively. Mean wind speed at 2 metres was 0.5 m/sec. less than last year.

As for soil temperature extremes between the surface and one metre depth, the maxima lower by 0.0 °C to 3.2 °C except at the surface where it was higher by 1.2 °C. The minima were lower by 0.1 °C to 2.4 °C except at one metre depth where it was higher by 0.9 C.

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

GIZA --- MARCH 1963.

Date	Air temperature (°C)					Duration in hours to the nearest half 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	6.0	15.7	12.8	18.5	24.0	24.0	24.0	18.5	12.5	6.5	0.0	0.0	0.0	0.0	0.0
2	24.3	6.4	15.9	12.5	19.1	24.0	24.0	24.0	17.0	14.5	8.0	0.0	0.0	0.0	0.0	0.0
3	22.2	12.1	16.6	15.5	18.7	24.0	24.0	24.0	24.0	15.0	2.5	0.0	0.0	0.0	0.0	0.0
4	18.4	8.0	13.6	13.2	15.7	24.0	24.0	24.0	21.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
5	19.5	6.8	12.8	10.5	14.8	24.0	24.0	24.0	16.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
6	18.0	5.4	11.8	10.6	13.9	24.0	24.0	24.0	15.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
7	18.8	4.1	11.9	8.6	14.4	24.0	24.0	23.5	15.5	8.0	6.0	0.0	0.0	0.0	0.0	0.0
8	17.3	8.9	12.8	11.6	14.5	24.0	24.0	24.0	20.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
9	18.2	4.9	11.4	9.6	13.8	24.0	24.0	24.0	13.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0
10	20.3	4.3	13.1	9.2	15.4	24.0	24.0	24.0	16.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0
11	22.5	5.9	14.1	12.0	17.9	24.0	24.0	24.0	18.5	11.0	6.0	0.0	0.0	0.0	0.0	0.0
12	27.2	6.8	16.2	10.7	19.9	24.0	24.0	24.0	17.5	15.0	7.5	2.0	0.0	0.0	0.0	0.0
13	24.2	8.6	16.5	14.3	18.4	24.0	24.0	24.0	20.0	13.5	7.0	0.0	0.0	0.0	0.0	0.0
14	30.0	7.9	17.2	14.7	21.0	24.0	24.0	24.0	21.0	13.5	7.5	3.5	0.0	0.0	0.0	0.0
15	19.0	9.3	12.8	13.1	14.4	24.0	24.0	24.0	21.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0
16	22.0	6.7	13.7	9.6	16.7	24.0	24.0	24.0	16.5	9.5	3.5	0.0	0.0	0.0	0.0	0.0
17	25.0	8.9	16.6	12.3	19.6	24.0	24.0	24.0	22.5	13.0	8.0	0.0	0.0	0.0	0.0	0.0
18	18.5	9.7	13.5	13.8	15.0	24.0	24.0	24.0	21.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
19	19.5	7.2	12.9	10.8	14.8	24.0	24.0	24.0	16.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0
20	25.7	7.7	16.5	11.3	19.3	24.0	24.0	24.0	19.5	14.5	8.0	0.0	0.0	0.0	0.0	0.0
21	24.3	8.1	16.7	11.4	19.0	24.0	24.0	24.0	20.0	16.0	8.0	0.0	0.0	0.0	0.0	0.0
22	27.1	8.3	18.2	15.3	21.1	24.0	24.0	24.0	20.5	17.0	10.0	4.5	0.0	0.0	0.0	0.0
23	32.5	9.7	20.4	15.7	24.3	24.0	24.0	24.0	23.5	17.5	11.5	8.0	4.0	0.0	0.0	0.0
24	27.5	14.4	20.3	18.5	22.7	24.0	24.0	24.0	24.0	24.0	10.5	4.5	0.0	0.0	0.0	0.0
25	24.3	9.6	17.8	16.0	20.0	24.0	24.0	24.0	24.0	16.5	9.5	0.0	0.0	0.0	0.0	0.0
26	23.5	10.1	16.6	14.6	19.0	24.0	24.0	24.0	24.0	15.0	7.0	0.0	0.0	0.0	0.0	0.0
27	26.0	9.4	18.9	15.1	21.0	24.0	24.0	24.0	23.5	16.0	11.5	1.0	0.0	0.0	0.0	0.0
28	31.6	10.6	22.0	16.6	25.2	24.0	24.0	24.0	24.0	16.5	15.0	11.5	3.5	0.0	0.0	0.0
29	26.5	14.1	19.9	21.4	21.7	24.0	24.0	24.0	24.0	23.5	9.5	0.5	0.0	0.0	0.0	0.0
30	24.1	11.7	17.4	15.1	19.8	24.0	24.0	24.0	21.0	16.0	7.5	0.0	0.0	0.0	0.0	0.0
31	24.9	8.8	17.3	14.2	19.0	24.0	24.0	24.0	22.5	16.0	7.5	0.0	0.0	0.0	0.0	0.0
Total	—	—	—	—	—	744.0	744.0	743.5	628.5	406.5	172.0	35.5	7.5	0.0	0.0	0.0
Mean	23.5	8.4	15.9	13.3	18.0	24.0	24.0	24.0	20.3	13.1	5.5	1.7	0.2	0.0	0.0	0.0

Highest Maximum at 2 metres 32.5 °C on 23rd.
Lowest Maximum at 2 metres 17.3 °C on 8th
Absolute minimum temperature at 5 cms. above dry soil
« « « « « Wet soil
« « « « « Grass

Highest Minimum at 2 metres 14.4°C on 21 th.
Lower Minimum at 2 metres 4.1°C on 7th.
— 0.6 °C on 7th
0.8 °C on 7th
—2.0 °C on 7th

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

TAHRIR --- MARCH 1963.

Date	Air temperature (°C)					Duration in hours to the nearest half 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	25.4	6.5	14.9	10.9	19.1	24.0	24.0	24.0	17.0	11.0	7.0	0.0	0.0	0.0	0.0	0.0
2	23.2	7.3	15.1	11.6	17.7	24.0	24.0	24.0	18.5	13.0	5.5	0.0	0.0	0.0	0.0	0.0
3	21.2	11.2	15.9	15.0	18.3	24.0	24.0	24.0	24.0	11.5	1.5	0.0	0.0	0.0	0.0	0.0
4	18.6	9.8	13.2	12.2	15.1	24.0	24.0	24.0	23.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0
5	17.4	8.2	12.2	10.4	13.8	24.0	24.0	24.0	18.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
6	18.3	7.0	12.5	10.7	14.3	24.0	24.0	24.0	15.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0
7	18.5	6.9	12.1	9.8	14.7	24.0	24.0	24.0	15.5	7.0	0.0	0.0	0.0	0.0	0.0	0.0
8	17.2	8.5	12.2	10.5	14.4	24.0	24.0	24.0	15.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0
9	17.8	7.4	12.3	9.6	14.7	24.0	24.0	24.0	15.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
10	21.0	7.9	13.9	10.2	17.3	24.0	24.0	24.0	16.5	11.5	0.0	0.0	0.0	0.0	0.0	0.0
11	23.1	8.4	15.2	11.9	18.1	24.0	24.0	24.0	18.0	12.5	6.0	0.0	0.0	0.0	0.0	0.0
12	25.4	9.8	16.7	13.2	20.7	24.0	24.0	24.0	24.0	12.0	8.5	0.0	0.0	0.0	0.0	0.0
13	24.5	8.8	15.8	12.4	18.7	24.0	24.0	24.0	20.0	12.5	7.0	0.0	0.0	0.0	0.0	0.0
14	28.0	10.5	16.8	13.8	20.6	24.0	24.0	24.0	22.0	12.5	7.0	2.5	0.0	0.0	0.0	0.0
15	17.4	9.0	12.4	13.1	13.5	24.0	24.0	24.0	23.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
16	21.0	8.6	13.9	10.7	16.4	24.0	24.0	24.0	18.5	10.5	0.5	0.0	0.0	0.0	0.0	0.0
17	25.8	10.1	16.5	12.3	20.2	24.0	24.0	24.0	24.0	11.5	7.5	0.0	0.0	0.0	0.0	0.0
18	18.0	10.6	13.7	12.8	15.1	24.0	24.0	24.0	24.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
19	20.0	7.8	13.3	11.1	15.5	24.0	24.0	24.0	19.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
20	26.1	10.2	16.9	11.5	20.7	24.0	24.0	24.0	24.0	13.0	8.0	3.0	0.0	0.0	0.0	0.0
21	24.8	9.1	16.6	13.8	19.2	24.0	24.0	24.0	22.5	13.0	7.0	0.0	0.0	0.0	0.0	0.0
22	26.6	10.2	17.4	13.2	21.0	24.0	24.0	24.0	24.0	14.0	9.5	0.5	0.0	0.0	0.0	0.0
23	33.2	9.8	19.4	13.9	23.2	24.0	24.0	24.0	24.0	15.5	11.5	7.0	3.0	0.0	0.0	0.0
24	26.2	13.3	16.9	18.1	21.6	24.0	24.0	24.0	24.0	19.0	9.0	2.0	0.0	0.0	0.0	0.0
25	24.0	10.2	16.2	13.9	18.8	24.0	24.0	24.0	24.0	12.0	6.0	0.0	0.0	0.0	0.0	0.0
26	22.2	11.3	16.1	14.0	18.5	24.0	24.0	24.0	24.0	12.0	5.0	0.0	0.0	0.0	0.0	0.0
27	23.6	8.6	15.9	11.8	18.9	24.0	24.0	24.0	19.5	13.5	7.5	0.0	0.0	0.0	0.0	0.0
28	31.4	12.6	21.7	14.7	25.4	24.0	24.0	24.0	24.0	17.0	15.0	10.0	3.0	0.0	0.0	0.0
29	24.7	14.6	19.1	20.4	20.9	24.0	24.0	24.0	24.0	22.0	8.0	0.0	0.0	0.0	0.0	0.0
30	23.2	13.3	17.2	15.2	19.4	24.0	24.0	24.0	24.0	15.0	7.0	0.0	0.0	0.0	0.0	0.0
31	25.3	10.4	16.9	13.8	19.1	24.0	24.0	24.0	24.0	14.5	8.0	0.0	0.0	0.0	0.0	0.0
Total	—	—	—	—	—	744.0	744.0	744.0	657.5	353.0	152.0	25.0	6.0	0.0	0.0	0.0
Mean	23.0	9.6	15.5	12.8	18.2	24.0	24.0	24.0	21.2	11.4	4.9	0.8	0.2	0.0	0.0	0.0

Highest Maximum at 2 metres 33.2°C on 23rd.
Lowest Maximum at 2 metres 17.2°C on 8th.
Absolute minimum temperature at 5 cms. above dry soil
" " " " " Wet soil
" " " " " Grass

Highest Minimum at 2 metres 14.6°C on 29th.
Lowest Minimum at 2 metres 6.5 °C on 1st.
4.1 °C on 1 st.
— — — — —
— — — — —

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 1963

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 G.T.	Mean of the day	at 1200 G.T.	Piche	Pan class (A)	
1	1.1	1.1	1.8	443	10.3	11.5	90	6	6	66	23	6.3	4.8	11.3	6.40	0.0
2	1.5	0.9	2.3	407	8.8	11.6	76	0	9	66	22	6.9	4.5	12.3	5.78	0.0
3	1.6	0.9	2.7	235	1.5	11.6	13	0	3	60	49	8.5	9.2	8.2	3.68	0.0
4	3.1	0.9	6.3	468	9.6	11.6	83	6	7	60	28	6.1	4.2	14.2	9.15	0.0
5	2.5	1.5	3.9	398	6.0	11.6	52	0	0	70	46	7.1	6.8	8.1	3.72	0.0
6	1.7	0.8	3.0	453	9.7	11.7	84	6	8	72	41	6.8	5.9	8.5	5.23	0.0
7	1.8	0.6	3.1	476	10.0	11.7	85	1	7	70	35	6.1	5.2	11.7	5.35	0.0
8	3.1	2.2	4.4	241	2.1	11.7	18	0	6	66	16	6.6	6.3	10.2	4.72	0.0
9	2.3	1.4	3.4	385	6.0	11.8	51	0	10	63	51	6.7	6.9	8.3	3.32	0.0
10	1.3	0.8	2.0	451	9.6	11.8	81	7	9	68	44	7.3	6.9	6.9	4.10	0.0
11	1.0	0.4	1.9	510	10.6	11.8	90	6	7	64	36	7.2	6.8	8.1	5.38	0.0
12	1.4	0.5	2.7	507	10.9	11.8	92	1	6	57	23	6.9	5.5	11.4	5.68	0.0
13	1.7	1.1	2.6	471	9.3	11.9	79	10	11	78	46	9.6	9.8	8.9	5.80	0.0
14	2.3	1.2	3.9	514	10.4	11.9	87	3	8	74	20	8.4	5.9	13.5	6.77	0.0
15	3.1	1.7	5.1	417	7.9	12.0	66	0	6	61	58	7.4	7.7	7.9	4.09	0.7
16	1.3	0.6	2.3	497	10.2	12.0	85	1	8	68	32	6.8	5.7	8.7	5.11	0.0
17	1.8	0.9	3.1	531	10.9	12.0	91	0	2	52	28	6.7	6.0	13.2	7.15	0.0
18	2.4	1.9	3.1	400	5.2	12.0	43	0	6	67	48	7.2	6.7	8.3	4.36	0.0
19	1.4	0.9	2.1	386	7.6	12.1	63	0	2	62	50	7.1	7.2	7.5	4.11	0.0
20	2.7	1.3	4.7	466	8.8	12.1	73	0	1	62	29	7.1	6.3	15.4	6.90	0.0
21	1.1	0.6	1.8	518	10.6	12.1	88	7	8	63	46	9.4	9.3	9.7	5.11	0.0
22	1.8	1.2	2.5	432	8.6	12.2	70	5	9	66	25	8.4	6.3	12.8	7.92	0.0
23	1.6	1.8	1.3	491	10.7	12.2	88	8	8	62	20	8.0	6.6	13.5	7.10	0.0
24	1.9	1.0	3.2	512	11.2	12.2	92	1	2	62	35	9.7	9.0	12.8	7.78	0.0
25	2.1	1.6	2.8	522	10.6	12.2	87	3	9	70	40	9.6	8.7	11.0	6.90	0.0
26	2.1	1.4	3.0	508	9.9	12.3	80	4	8	70	40	8.9	8.0	12.5	6.75	0.0
27	2.3	2.0	2.7	398	6.1	12.3	50	0	1	46	22	6.6	5.1	16.4	7.98	0.0
28	1.3	1.5	1.1	249	3.5	12.3	28	2	6	39	25	7.3	8.8	15.9	6.66	0.0
29	2.8	1.7	4.3	512	9.4	12.4	76	0	6	60	34	9.0	7.8	16.5	8.69	0.0
30	2.0	1.2	3.2	503	10.6	12.4	85	0	8	68	37	9.3	8.0	10.0	7.43	0.0
31	1.3	0.8	1.9	500	9.1	12.4	76	7	8	68	43	9.5	8.9	9.3	5.92	0.0
Total	—	—	—	13835	266.0	370.6	2222	103	189	—	—	—	—	343.0	185.04	0.7
Mean	1.9	1.2	3.0	446.3	8.6	12.0	72	3.3	6.1	64	36	7.7	6.9	11.6	5.97	0.02

Maximum amount of rainfall in one day ... ... 0.7 mms. on 15th.
Lowest value of relative humidity ... ... 16% on 23 rh.
Highest value of vapour pressure ... ... 12.6 mms. on 23rd.
Lowest value of vapour pressure ... ... 1.2 mms. on 4th.

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 --- M A R C H 1963

DATE	Wind speed metres per second			Solar + sky radiation gm. cal./cm2	Duration of bright sunshine in hours			Relative humidity hours of duration		Relative humidiy %		Vapour pressure in millimetres		Evaporation in millimetres		Amount of rainfall in millimetres
	Mean of the day	Night time Mean	Day time mean		Total actual	Total possible	Percentage %	> 90%	> 80%	Mean of the day	at 1200 U.T.	Mean of the day	at 1200 U.T.	Piche	Pan class (A)	
1	1.7	1.2	2.5	411	10.7	11.5	93	7	10	71	21	6.7	4.5	8.7	5.01	0.0
2	1.9	1.4	2.7	381	7.1	11.6	61	8	12	78	41	8.9	7.9	8.6	5.35	0.0
3	3.4	2.2	4.6	246	1.5	11.6	13	0	1	58	52	8.1	8.9	10.6	6.50	0.2
4	5.4	2.7	9.0	418	8.1	11.6	70	0	2	66	32	6.3	5.0	17.9	11.61	0.2
5	5.0	1.7	5.4	292	3.5	11.6	30	0	1	70	59	7.5	7.8	7.4	4.20	0.2
6	2.8	2.1	3.9	474	10.9	11.7	93	0	8	60	35	5.7	5.2	11.1	7.09	0.0
7	3.1	2.2	4.2	425	10.0	11.7	85	0	5	70	41	6.7	5.9	9.9	5.93	0.0
8	3.7	2.5	5.1	290	3.1	11.7	26	0	5	68	45	6.8	6.3	10.0	7.08	tr
9	3.2	2.2	4.6	310	3.7	11.8	31	0	5	69	45	6.8	6.1	10.0	7.38	tr
10	3.4	3.2	3.6	438	9.2	11.8	78	2	9	72	47	8.1	7.6	8.1	5.82	0.0
11	2.1	1.8	2.4	490	11.3	11.8	96	2	8	62	31	7.3	6.0	14.5	9.87	0.0
12	4.0	3.6	4.5	516	11.3	11.8	96	1	3	59	22	6.9	5.3	14.3	7.82	0.0
13	1.7	1.3	2.3	536	9.2	11.9	77	9	12	86	49	10.2	9.8	5.9	4.55	0.0
14	3.7	1.9	6.1	589	10.1	11.9	87	7	8	74	50	10.0	11.0	16.6	10.83	0.0
15	5.3	4.5	6.5	330	5.6	12.0	47	0	5	72	54	7.6	7.1	7.3	4.66	3.7
16	3.7	3.5	4.1	516	7.5	12.0	62	0	5	71	40	7.7	6.8	10.9	6.19	0.0
17	3.4	1.8	5.4	638	10.7	12.0	89	1	5	65	22	7.1	5.2	17.8	10.25	0.0
18	3.4	2.7	4.0	379	3.6	12.0	30	1	4	64	18	7.1	6.9	10.6	5.90	6.0
19	3.6	3.2	4.2	485	8.4	12.0	70	0	2	64	40	6.9	6.6	11.1	6.80	0.0
20	4.6	2.7	7.2	487	5.7	12.1	47	0	2	58	25	6.7	5.9	19.2	10.18	0.0
21	2.2	2.2	2.3	619	11.2	12.1	93	5	9	72	34	8.9	6.8	7.7	5.83	0.0
22	3.0	2.5	3.7	576	9.8	12.2	80	4	10	70	35	9.3	8.3	11.1	6.90	0.0
23	2.2	2.4	1.9	571	10.1	12.2	83	8	9	73	22	9.0	7.1	12.9	8.15	0.0
24	3.9	2.9	5.2	645	11.0	12.2	90	1	4	80	41	11.0	10.0	12.0	7.55	0.0
25	2.6	2.0	3.6	626	11.0	12.3	90	5	11	84	45	10.1	9.4	9.2	6.63	0.0
26	3.0	2.4	3.9	596	11.0	12.3	89	0	9	73	45	9.2	8.5	9.4	6.32	0.0
27	2.8	1.9	4.0	486	8.0	12.3	65	3	7	70	40	8.7	8.0	12.4	7.63	0.0
28	4.0	4.3	3.6	321	3.7	12.4	30	0	5	38	14	6.6	4.7	24.5	11.48	0.0
29	4.4	3.2	6.1	608	9.8	12.4	79	0	1	66	40	9.7	8.9	15.4	9.86	0.0
30	4.0	3.5	4.9	558	10.5	12.4	85	0	9	72	42	9.6	8.6	10.8	6.57	0.0
31	2.2	2.3	2.0	615	10.0	12.4	81	3	10	75	36	9.3	7.1	6.8	6.33	0.0
Total	—	—	—	14931	257.6	371.1	—	67	200	—	—	—	--	362.4	229.37	4.4
Mean	3.3	2.6	4.3	481.6	8.3	12.0	69	2.2	6.5	69	38	8.1	7.2	11.7	7.40	0.1

Maximum amount of rainfall in one day ... ... 3.7 mms. on 15th.
Lowest value of relative humidity ... ... 14% on 28th.
Highest value of vapour pressure ... ... 12.6 mms. on 24th.
Lowest value of vapour pressure ... ... 3.7 mms. on 4th.

Table C 3. -- EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

GIZA -- MARCH 1963

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	54.7	1.7	30.6	1.8	26.7	8.3
1	53.1	2.2	28.0	5.0	25.4	8.2
2	48.5	4.3	26.2	5.7	23.5	8.8
5	33.0	10.2	24.5	8.2	21.5	10.9
10	27.0	14.3	22.9	10.2	19.8	12.2
20	23.1	17.6	19.4	11.9	18.3	14.0
50	22.6	19.5	18.0	15.0	18.1	15.8
100	22.0	20.8	19.0	16.8	17.8	17.0
200	22.8	22.1	19.0	18.6	19.6	19.2
300	24.2	23.6	—	—	—	—

Table C 3. -- EXTREME SOIL TEMPERATURES AT DIFFERENT DEPTHS IN DIFFERENT FIELDS

TAHRIR -- MARCH 1963

Depth in cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	45.0	7.0	—	—	—	—
1	42.0	7.5	—	—	—	—
2	40.8	7.3	—	—	—	—
5	33.0	8.6	—	—	—	—
10	29.9	10.1	—	—	—	—
20	25.1	12.9	—	—	—	—
50	21.4	16.2	—	—	—	—
100	20.7	18.4	—	—	—	—
200	20.6	20.2	—	—	—	—
300	21.6	21.2	—	—	—	—

Table. C 4. -- NUMBER OF DAYS OF SURFACE WIND SPEED REACHING OR EXCEEDING SPECIFIED LIMITS OF VELOCITY

GIZA -- MARCH 1963

10	Knots	or	more	28	days	30	Knots	or	more	0	days
15	«	«	«	12	«	35	«	«	«	0	«
20	«	«	«	3	«	40	«	«	«	0	«
25	«	«	«	1	«	The highest gust 35 Knots on 15th					

Table. C 4. -- NUMBER OF DAYS OF SURFACE WIND SPEED REACHING OR EXCEEDING SPECIFIED LIMITS OF VELOCITY

TAHRIR -- MARCH 1963

10	Knots	or	more	25	days	30	Knots	or	more	1	days
15	«	«	«	18	«	35	«	«	«	0	«
20	«	«	«	8	«	40	«	«	«	0	«
25	«	«	«	3	«	The highest gust 42 Knots on 15th					

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 6 NUMBER 4

APRIL, 1963

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

METEOROLOGICAL DEPARTMENT
CAIRO

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 5,6

" A 2.—Monthly Mean Values of the Dry Bulb, Wet Bulb Temperatures and the Relative Humidity at Fixed Hours 7,8

" A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity 9,10

" A 4.—Maximum and Minimum Air Temperatures 11,12

" A 5.—Rainfall and Snow Depth 13,14

" A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 15

" A 7.—Soil Temperatures at Fixed Hours 16-19

" 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 24-48

Upper Air Data

TABLE B 1.—Upper Air Climatological Data 49-50

" 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 . 53-56

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir 57

TABLE C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields 58,59

" C 2.—Wind Speed, (Solar + Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall 60,61

" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields 62

" C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity 63

Note.—For exrlanatory notes on the tables, please refer to volume 6 number 1 (January 1963).

GENERAL SUMMARY OF WEATHER CONDITIONS

APRIL 1963

Changeable, generally hot intervened by four khamsin disturbances. Subnormal rainfall in general.

THE MAIN FEATURES

— A prevailing khamsin wave during the second decade, light in the north and excessive in the south.

— Generally high relative humidity in the northern parts, moderate in the central parts and low in southern parts.

— Subnormal monthly rainfall in general, though markedly above normal over scattered coastal localities.

— Five transits of Mediterranean secondary depressions and two transits of desert depressions through East Mediterranean.

— Occasional sandrising over scattered localities during the 2nd and 3rd weeks.

GENERAL DESCRIPTION OF WEATHER

This month was generally mild in the north, hot in the middle parts and rather excessive in the southern parts. Four khamsin disturbances were experienced and attained their peaks round the 3rd, 16th, 21st and 27th. The effect of these khamsins over the Mediterranean distric was slight, while pronounced elsewhere especially in Upper Egypt district. Mild spells of short durations separated the khamsin heat waves. Local rising dust and dustsorms occurred on some days in the 2nd and 3rd weeks.

Rainfall was gererally subnormal, and most of its monthly total fell in the 1st and 4th weeks on the Mediterranean and Lower Egypt districts.

Early morning mist and fog developed on the 2nd, 3rd, 9th and 15th over most parts of Lower Egypt and Cairo 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					
	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean . . .	1010.4	—4.0	22.7	—0.2	14.1	+1.0	18.4	+0.4	68	— 1	2.8	—0.7
Lower Egypt . . .	1010.2	—3.8	27.1	0.0	12.3	+0.5	19.7	+0.2	54	—11	0.7	—1.3
Cairo Area . . .	1009.7	—4.1	29.6	+1.4	14.7	+1.7	22.2	+1.6	42	— 7	0.1	—0.6
Upper Egypt . . .	1009.0	—3.6	32.6	+1.3	16.0	+1.8	24.3	+1.6	31	— 6	0.1	—0.3
Western Desert . .	1009.2	—4.5	35.2	—0.1	14.5	+0.8	24.8	+0.4	25	— 9	0.1	—0.3
Red Sea	1008.5	—3.0	28.8	+1.5	19.2	+1.5	24.0	+1.5	50	— 4	0.6	+0.3

Note : The above monthly district means for atmospheric pressure and relative humidity are computed from the corresponding means for all stations that take daily 24 hourly observations in each district .

PRESSURE DISTRIBUTION

The barometric pressure over East Mediterranean oscillated widely below its normal almost during the whole month.

Over the surface map, the pressure distribution was generally changeable. Five Mediterranean secondary depressions traversed East Mediterranean round the 4th, 8th, 13th, 22nd, & 27th. Two desert depressions also traversed East Mediterranean round the 16th & 19th respectively.

The first secondary depression was evident west of Italy on the 1st. moved almost ESE while filling gradually. It passed by Crete on the 3rd and traversed East Mediterranean on the 4th, while its upper trough was delayed backwards in the west.

The second secondary depression developed over West Mediterranean on the 5th and continued moving ESE towards Central Mediterranean where it was attached with a shallow desert low over Cyrenica. The whole system with its upper reflection moved eastwards. slightly deepened and crossed East Mediterranean on the 8th.

From the 9th till the 12th, the SW Siberian anticyclonic ridge operated over East Mediterranean where the barometric pressure increased rapidly and attained its normal round the the 11th. During this period, a secondary depression developed over West Mediterranean and continued moving eastwards while filling. It crossed East Mediterranean on the 13th, while the main upper trough over West Mediterranean was stationary and experienced marked deepening.

On the 14th & 17th, two desert depressions developed over Cyrenica and continued moving eastwards while deepening as a result of the approach of the main upper trough. The two desert depressions traversed East. Mediterranean on the 16th and 19th respectively.

The period between the 20th & 27th was characterized by the development of a complex system of low pressure over Central and East Mediterranean.

Two secondary depressions out of this system moved ESE. The first one rapidly traversed East Mediterranean on the 22nd with no appreciable change in intensity, while the other one moved slowly and deepened. It was attached with a desert depression on the 26th and traversed East Mediterranean on the 27th.

All the mentioned seven depressions were of considerable vertical structure mainly up to 100 mbs level, besides their tracks were directed eastwards through north Arabia and Iraq.

The polar and subtropical jet streams were both evident in the upper tropospheric charts round 300 and 170 mb. levels respectively. The polar jet stream oscillated between 45 & 65 °N, while the subtropical jet stream oscillated between 20 & 30 °N.

Round the 8th, 13th, 22nd, & 28th, when the travelling upper troughs of cold air penetrated southwards to about latitude 20 °N. the polar jet stream has been displaced southwards to about latitude 35 °N. On the reverse, round the 3rd, 16th, 20th & 26th. when the heat waves were prevailing over NE Africa, the subtropical jet stream has been displaced northwards to about latitude 35 N°.

The highest wind speeds recorded at Mersa Matruh, Helwan and Aswan were 143, 140 & 145 knots on the 28th, 29th & 8th respectively.

SURFACE WIND

The prevailing winds this month were light to moderate : E/NE ly round the period (1st—8th), W/NW ly round the periods (9th—17th) & (22nd—30th), W/SWly round the period (18th—21st).

Fresh to strong winds blew in association with the frontal transits in general and were

frequent over the Mediterranean district and also blew locally for some days over the coastal strip of the Red Sea district.

Calms were frequent during the night and early morning hours over most of the southern parts of the Upper Egypt and Western Desert districts.

Gales were reported at Dabaa on the 23rd. and at Inshas, Fayed, Mostafa Helmi, Helwan Baharia on the 7th, Harghada on th 10th, Qusseir on the 9th and Fayoum on the 27th.

TEMPERATURE

Maximum temperature oscillated slightly round its normal over the Mediterranean coastal areas and its values ranged between 21 & 24 °C in general excluding from 12th—15th when it attained 34 °C. Over the inland districts it oscillated to a great extent round its normal and its values ranged between 26 & 36°C over middle parts and between 33 & 43 °C over the southern parts of the Republic.

The absolute maximum temperature for the Republic was 43.0 °C reported at Kharga on the 6th.

Minimum temperature oscillated similarly slightly round its normal over the Mediterranean coastal areas and its values ranged between 12 & 16 °C. Over the inland parts its oscillations were of large variability and their amplitudes ranged between 11 & 19 °C over the middle parts and between 15&25 °C over the southern parts of the Republic.

The absolute minimum temperature for the Republic was 6.1 °C reported at Dakhla on the 1st.

PRECIPITATION

This month was characterized by two rainy periods : (4th—8th) & (21st—23rd).

Rainfall was light in general and confined to the northern parts, though it extended southerly till Qena on th 8th. In addition on the 7th, 3.2 mms. of rain fell at El Tor, while on the 8th 0.3 mms. over Abu Redes ; outstanding feature of the Red Sea district which a normally rainless during April.

The monthly rainfall was generally subnormal, though over the Mediterranean coast it exceeded its normal by 14.5 mms. at Alexandria and 2.4 mms. at Damietta.

The absolute monthly rainfall for the Republic was 18.0 mms. reported at Alexandria while the absolute daily rainfall was 13.0 mms. reported also at Alexandria on the 22nd.

MISCELLANEOUS WEATHER PHENOMENA

Rain fell at : Sallum on the 21st & 29th ; Sidi Barrani on the 1th & 30th ; Mersa Matruh on the 4th, 7th & 23rd ; Ras El Hikma on the 4th & 6th Dekheila on the 7th, 22nd & 23rd ; Ras El Teen on the 7th & 23rd ; Alexandria on the 7th, 19th, 21st, 22nd & 23rd ; Balteam on the 7th, 23rd & 24th ; Damietta on the 23rd; Port Said on the 8th & 23rd; El Arish on the 23rd; Ghazza on the 7th, 8th, 23rd, 24th 28th & 29th ; Damanhour on the 23rd ; Tanta on the 7th & 22nd; Mansoura on the 9th & 25th; Tahrir on the 7th & 21st ; Shebin El Kom on the 7th ; Inshas and Fayed on the 7th & 8th ; Cairo on the 8th ; Mostafa Helmi on the 7th ; Helwan, Baharya and Abu Redes & Kena on the 8th and at Tor on the 7th.

Thunderstorms occurred at : Mersa Matruh on the 7th ; Mansoura on the 9th ; Tahrir on the 21st; Luxor on the 8th & 21st; Bahariya on the 8th; Kharga on the 21st and at Tor on the 7th & 8th.

Mist patches developed at : Sallum on the 15th, Mersa Matruh on the 14th & 19th ; Ras El Hikma on the 3nd ; Alexandria on the 25th ; Balteam on the 15th ; Port Said on the 2nd, 8th & 9th ; El Arish on the 3rd, 4th, 9th, 17th & 27th ; Ghazza on the 1st, 8th, 9th & 22nd ; Tahrir on the 18th, 20th & 26th ; Shebin El Kom on the 2nd, 15th & 25th ; Abu Sueir on the 2nr, 3rd, 12th, 15th, 20th, 21th & 30th ; Banha on the 9th & 15th ; Zaher on the 2nd & 9th ; Inshas on the 30th ;

Cairo on the 2nd, 9th, 10th, 17th, 20th & 30th ; Mostafa Helmi on the 2nd, 9th, 12th, 15th, (17th-21st), 29th & 30th ; Almaza on the 2nd, 9th, 20th & 29th ; Abasiya on the 9th & 17th ; Imbaba on the 2nd & 9th ; Giza on the 15th ; Tor on the 20th & 21st and at Quseir on the 8th, 9th & 22nd.

Fog patches developed at : Sidi Barrani on the 14th; Mersa Matruh on the 2nd & 15th; Ras El Hikma on the 15th; Ras El Teen and Alxandria on the 2nd & 15th; El Arish and Gazza on the 21st; Tahrir on the 2nd, 9th, 15th & 25th; Abu Sueir on the 9th; Banha on the 2nd; Inshas on the 2nd & 15th; Mostafa Helmi on the 27th & 28th and at Giza on the 2nd.

Local rising sand or dust was reported at : Sidi Barrani on the 6th; Mersa Matruh on the 3rd, 6th, 7th,, 9th, 13th,, 15th, 18tn, 21st, 22nd, 25th & 27t; Ras El Hikma on the 6th, 7th, 13th, 18th & 23rd; Dabaa on the 6th, 7th, 8th, 18th, 21st, 22nd, 23rd & 27th ; Alexandri on the 21st, Port Said on the 6th & 7th; El Arish on the 4th, 8th & 27th; Ghazza on te 8th; Mansoura and Tahrir on the 19th&22nd; Abu Sueir on the 6th, 7th, 8th, 16th, 19th, 22nd & 26th; Banha on the 6th, 8th, 22nd & 23rd; Zaher on the 6th, 7th, 16th, 19th & 22nd; Wadi El Natrun on the 6th, 16th & 21st; Inshas on the 3rd, 4th, 6th, 7th, 8th, 16th, 19th, 21st & 22nd; Fayed on the 6th, 8th, 16th, 19th,22nd & 23rd; Kabrit on the 6th, 7th, 8th, 16th, 19th & 27tn; Cairo on the 4th, 6th, 7th, 8th, 16th, 18th, 19th, 21st, 22nd, & 23rd; Mostafa Helmi on the (3rd-10th), 16th, 18th, 19th, 21st, 22nd, 23rd, 27th & 28th; Almaza on the 3rd, 4th, 6th, 8th, 16th, 19th, 21st, 22nd & 23rd; Abbasiya on the 6th, 8th, 16th, 19th & 21st; Imbaba on the 6t, 7th, 16th, 19th, 22nd & 27th ; Giza on the 7th & 16th ; Fayoum on the 27th ; Beni Suef on the 7th & 16th; Minya on the 7th & 8th ; Asyout on the 6th, 8th, 9th, 19th, 21st, 22nd & 27th ; Luxor on the 6th, 7th, 10th, 19th, 22nd, 23rd & 28th; Aswan on the 8th, 10th, (20th — 23rd), 28th & 29th ; Siwa on the 6th, 18th, 19th & 21st; Bahariya on the 8th, 16th, 21st, 22nd & 27th; Farafra on the (3rd — 9th), 19th, 21st, 22nd & 23rd ; Dakhla on the 6th, 8th, 10th, 19th, 21st, 22nd & 27th ; Kharga on the 8th, 9th, 21st, 22nd & 28th ; Abu Redes on the 5th, 7th, 9th, 19th & 27th ; Tor on the 7th & 10th; Hurghada on the 10th, 23rd & 27th ; and at Quseir on the (4th — 8th), 10th, 11th, 15th, 17th, 19th, 22nd, 23rd, 24th, 28th & 29th.

Sand or duststorms below over : Mersa Matruh on the 6th, 7th, 18th & (21st — 23rd); Dabaa on the 23rd; Ghazza on the 8th ; Mansoura on the 22nd; Tahrir on the 4th & 7th ; Abu Sueir on the 22nd ; Inshas on the 6th & 7th ; Fayed on the 7th ; Kabrit on the 19th; Cairo on the 7th & 21st ; Mostafa Helmi on the 6th, 7th & 16th ; Almaza on the 7th & 21st ; Abbasiya on the 7th; Asyout on the 27th ; Luxor on the 5th, 10th & 22nd ; Aswan on the 8th & 10th ; Bahariya on the 16th ; Farafra on the 7th ; Hurghada on the 10th and over Quseir on the 10th.

Cairo, March 1971

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 1963

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	1010.1	—	1010.6	—3.8	1010.5	—3.5	1010.5	—3.7	5.2	1010.6	—	1011.0	—3.8	1011.0	—3.5	1011.0	—3.7
	Sidi Barrani	22.8	1007.4	—3.5	1007.8	—3.9	1007.5	—4.0	1007.8	—3.5	24.0	1010.0	—3.5	1010.4	—3.9	1010.1	—4.0	1010.4	—3.5
	Mersa Matruh (A)	30.0	1006.9	—4.5	1007.4	—3.8	1007.4	—3.6	1007.4	—3.7	30.0	1010.6	—4.5	1011.1	—3.8	1011.1	—3.6	1011.1	—3.7
	Ras El Hikma	45.8	1004.4	—	1005.2	—	1004.8	—	1005.0	—	45.8	1009.9	—	1010.7	—	1010.3	—	1010.5	—
	Dabaa	18.0	1007.3	—	1008.0	—	1007.6	—	1008.0	—	17.8	1009.3	—	1010.0	—	1009.6	—	1010.0	—
	Dekheila (A)	6.0	1009.6	—	1010.2	—	1010.0	—	1010.1	—	5.9	1010.3	—	1010.9	—	1010.7	—	1010.8	—
	Ras El Teen	8.4	1009.4	—	1009.9	—	1009.6	—	1009.6	—	8.4	1010.4	—	1010.9	—	1010.6	—	1010.6	—
	Alexandria (A)	7.0	1009.2	—4.2	1010.0	—3.9	1009.5	—4.0	1009.9	—3.7	6.8	1010.0	—4.2	1010.8	—3.9	1010.3	—4.0	1010.7	—3.7
	Balteam	2.0	1009.9	—	1010.1	—	1010.2	—	1010.6	—	2.0	1010.1	—	1010.3	—	1010.4	—	1010.8	—
	Damietta	5.0	1009.8	—	1010.3	—3.9	1009.9	—4.0	1010.5	—3.5	5.0	1010.2	—	1010.7	—3.9	1010.3	—4.0	1010.9	—3.5
	Port Said (A)	7.4	1008.9	—4.2	1009.5	—4.3	1009.0	—4.1	1009.6	—3.7	6.1	1009.6	—4.2	1010.2	—4.3	1009.7	—4.1	1010.3	—3.7
	El Arish	17.1	1007.8	—3.9	1008.3	—7.4	1007.6	—4.6	1008.4	—4.2	17.1	1009.7	—4.9	1010.2	—4.7	1009.5	—4.6	1010.3	—4.2
	Ghazza	15.7	1008.0	—	1008.4	—	1007.9	—	1008.4	—	15.7	1009.9	—	1010.3	—	1009.7	—	1010.2	—
Lower Egypt	Mansoura	4.0	1009.9	—	1010.4	—3.4	1009.6	—3.5	1010.4	—3.5	3.6	1010.3	—	1010.8	—3.4	1010.0	—3.5	1010.8	—3.5
	Damanhour	6.7	1011.5	—	1010.3	—4.0	1009.8	—4.1	1010.2	—4.1	6.7	1012.1	—	1010.9	—4.1	1010.5	—4.1	1010.8	—4.2
	Tanta	14.8	1008.2	—	1008.6	—4.4	1007.8	—3.9	1008.8	—3.7	15.4	1009.4	—	1009.8	—4.4	1009.0	—3.9	1010.0	—3.7
	Tahrir	16.0	1007.4	—	1008.1	—	1007.0	—	1008.1	—	18.6	1009.6	—	1010.3	—	1009.2	—	1010.3	—
	Shebin El Kom	13.1	1008.0	—	1008.7	—4.9	1007.7	—4.5	1008.4	—4.4	13.8	1009.5	—	1010.2	—4.9	1009.2	—4.9	1009.9	—4.4
	Zagazig	13.0	1008.8	—	1009.2	—4.4	1008.1	—3.9	1009.2	—3.8	13.0	1010.4	—	1010.8	—4.4	1009.7	—3.9	1010.8	—3.8
	Abu Sueir (A)	16.0	1008.0	—	1008.8	—	1007.3	—	1008.9	—	16.0	1010.0	—	1010.7	—	1009.1	—	1010.8	—
	Banha	14.9	1007.6	—	1008.1	—	1007.2	—	1007.9	—	14.9	1009.2	—	1009.9	—	1008.9	—	1009.7	—
	Zaher (A)	23.5	1005.6	—	1006.2	—	1005.0	—	1005.8	—	23.3	1009.2	—	1009.8	—	1008.5	—	1009.5	—
	Wadi El Natrun	0.9	1010.6	—	1011.5	—2.8	1009.9	—2.3	1011.0	—2.5	0.9	1010.7	—	1011.6	—2.8	1010.0	—2.3	1011.1	—2.5
	Inshas (A)	25.5	1005.4	—	1006.1	—	1004.7	—	1006.1	—	25.6	1008.4	—	1009.1	—	1007.7	—	1008.9	—
	Fayed (A)	35.0	1007.8	—	1008.6	—	1006.9	—	1008.4	—	35.0	1010.3	—	1011.1	—	1009.3	—	1010.9	—
	Kabrit (A)	4.9	1008.8	—	1009.4	—	1007.8	—	1008.8	—	4.8	1010.2	—	1010.8	—	1009.1	—	1010.2	—
Cairo Area	Cairo (A)	74.5	1001.8	—4.8	1002.6	—3.8	1001.3	—4.2	1002.4	—3.9	74.0	1009.5	—4.9	1010.2	—3.9	1008.8	—4.2	1009.9	—4.0
	Mostafa Helmi (A)	164.0	990.8	—	991.3	—	990.3	—	990.9	—	164.0	1010.1	—	1010.5	—	1008.9	—	1009.9	—
	Almaza (A)	78.5	1000.0	—4.7	1000.7	—4.7	999.5	—4.4	1000.6	—4.0	78.6	1009.3	—4.7	1009.9	—4.7	1008.5	—4.4	1009.7	—4.0
	Abbasiya (H.Q.)	26.4	1006.7	—	1007.5	—	1006.2	—	1007.1	—	26.4	1010.3	—	1011.2	—	1009.7	—	1010.7	—
	Imbaba (A)	19.0	1007.5	—	1008.4	—	1006.9	—	1007.7	—	19.0	1009.6	—	1010.5	—	1009.0	—	1009.8	—
	Giza	22.5	1007.3	—	1007.7	—4.1	1006.4	—3.8	1007.2	—3.8	22.5	1010.1	—	1010.5	—4.1	1009.2	—3.8	1010.0	—3.8
	Helwan	140.7	993.0	—	994.0	—3.8	992.6	—3.9	993.3	—3.6	140.7	1009.8	—	1010.7	—4.0	1008.8	—4.0	1009.9	—3.7

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

APRIL 1963

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	23.3	1007.0	—	1007.9	—3.6	1005.9	—3.6	1006.6	—3.3	23.3	1009.9	—	1010.8	—3.7	1008.8	—3.6	1009.5	—3.3
	Beni Suef	30.0	1005.6	—	1006.9	—3.9	1005.1	—3.9	1005.6	—3.5	30.0	1009.0	—	1010.3	—3.9	1008.5	—3.8	1009.0	—3.5
	Minya (A)	40.0	1004.0	—4.6	1005.3	—4.4	1003.7	—4.4	1003.8	—4.2	40.3	1008.8	—4.6	1010.0	—4.5	1008.2	—4.4	1008.6	—4.2
	Asyout (Mangabad) (A)	69.6	1001.0	—3.2	1002.5	—3.6	1000.7	—3.1	1000.6	—3.4	69.5	1009.2	—3.2	1010.7	—3.5	1008.5	3.2	1008.7	—3.3
	Nag Hammadi	70.5	1001.1	—	1003.0	—2.9	1000.8	—2.6	1001.1	—2.7	70.5	1009.2	—	1011.2	—3.0	1008.5	2.8	1009.2	—2.8
	Kena	74.2	1001.1	—	1002.0	—2.6	1000.0	—1.9	999.6	—2.6	74.2	1009.6	—	1010.6	—2.5	1008.3	1.8	1007.9	—2.8
	Luxor (A)	88.5	997.6	—3.6	999.4	—3.6	997.3	—3.3	997.2	—3.0	88.4	1007.8	—3.6	1009.6	—3.[illegible]	1007.1	—3.[illegible]	1007.2	—3.7
	Kom Ombo	102.6	996.0	—	997.8	—	995.5	—	995.6	—	102.6	1008.0	—	1009.6	—	1006.8	—	1007.3	—
	Aswan (A)	193.5	984.8	—	986.6	—2.9	984.5	—3.2	981.6	—2.8	200.0	1007.9	—	1009.6	—3.0	1006.6	—3.4	1007.1	—3.1
Western Desert	Siwa	—13.5	1011.4	—4.3	1012.4	—4.2	1011.2	—4.0	1010.8	—3.8	—13.3	1009.7	—4.3	1010.7	—4.2	1009.5	—4.1	1009.1	—3.8
	Bahariya	129.5	994.3	—	995.2	—4.7	993.8	—5.1	994.1	—5.1	129.6	1009.7	—	1010.4	—5.2	1008.4	—5.4	1009.1	—5.3
	Farafra	91.8	999.5	—	1000.8	—4.1	999.3	—3.3	999.4	—3.0	92.1	1010.4	—	1011.7	—4.1	1009.7	—3.4	1010.0	—3.2
	Dakhla	111.5	994.4	—	995.8	—4.8	994.0	—4.7	993.6	—5.4	111.5	1007.4	—	1008.7	—4.[illegible]	1006.3	—5.0	1006.3	—5.5
	Kharga	72.8	1000.6	—	1002.2	—4.0	1000.4	—4.2	1000.2	—3.6	73.0	1008.9	—	1010.5	—4.1	1008.3	—4.4	1008.4	—3.6
Red Sea	Suez	11.0	1009.0	—	1009.4	—4.4	1008.2	—4.2	1009.0	—4.9	12.2	1010.2	—	1010.6	—4.4	1009.4	—4.2	1010.2	—4.9
	Abu Redes	4.0	1007.8	—	1009.4	—	1008.0	—	1008.1	—	4.0	1008.2	—	1009.8	—	1008.4	—	1008.5	—
	Tor	4.2	1007.7	—	1009.1	—3.6	1007.8	—3.7	1007.6	—3.5	4.2	1008.1	—	1009.5	—3.6	1008.2	—3.7	1008.0	—3.5
	Hurghada	2.8	1008.0	—2.2	1009.6	—2.5	1008.0	—2.6	1008.0	—2.3	2.8	1008.2	—2.2	1009.8	—2.5	1008.2	—2.6	1008.2	—2.3
	Quseir	11.3	1007.0	—	1008.4	—3.1	1007.3	—3.5	1007.3	—3.1	11.3	1008.0	—	1009.4	—3.1	1008.3	—3.5	1008.3	—3.1
	Abul Kizan	5.0	1009.0	—	1009.5	—	1008.7	—	1008.7	—	5.0	1009.5	—	1010.1	—	1009.2	—	1009.2	—

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

APRIL 1963

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	16.6	—	16.7	−1.0	20.8	−0.6	18.2	+0.3	13.3	—	13.7	−0.2	15.7	−0.1	14.3	−0.2	67	—	69	+ 6	56	+ 3	63	− 4
	Sidi Barrani	15.1	−0.0	17.0	−0.2	19.8	−0.8	16.7	−0.6	13.1	+1.1	14.0	+0.8	15.5	+0.2	14.3	+0.5	78	+11	70	+ 9	61	+ 7	75	+ 9
	Mersa Matruh (A)	14.6	+0.8	17.3	0.0	20.7	0.0	16.9	+0.1	12.3	+0.8	14.1	0.4	15.3	−0.1	14.3	−0.2	75	+ 1	68	+ 3	53	− 1	74	+ 1
	Ras El Hikma	15.6	—	17.2	—	19.3	—	16.6	—	13.3	—	14.4	—	15.5	—	14.4	—	76	—	72	—	64	—	77	—
	Dabaa	14.2	—	17.0	−0.5	20.9	−0.4	16.9	−0.1	11.6	—	13.7	−0.2	15.1	−0.1	13.8	−0.3	72	—	67	+ 2	51	+ 2	69	− 2
	Dekheila (A)	15.9	—	17.6	—	21.4	—	18.0	—	13.6	—	14.7	—	16.4	—	14.9	—	76	—	71	—	57	—	70	—
	Ras El Teen	16.9	—	17.6	—	19.2	—	18.4	—	14.7	—	15.2	—	16.0	—	15.2	—	78	—	76	—	70	—	69	—
	Alexandria (A)	17.6	+ 0.3	18.6	+0.5	22.6	+0.5	17.8	+0.6	13.5	+0.1	15.6	+0.8	16.9	+0.6	15.0	+0.4	79	− 3	71	+ 3	53	+ 1	73	− 1
	Balteam	15.9	—	19.1	—	21.9	—	18.8	—	14.4	—	15.3	—	16.6	—	15.1	—	68	—	64	—	55	—	65	—
	Damietta	17.6	—	18.3	—	22.9	+1.8	17.7	+0.1	13.9	—	15.5	−0.4	17.3	+0.8	15.1	−0.3	79	—	73	+ 2	55	− 6	74	− 4
	Port Said (A)	15.9	—	18.7	−0.7	20.7	−0.3	18.5	0.0	15.2	+0.3	15.8	+0.4	17.1	+0.4	15.9	+0.1	76	− 0	72	+ 2	68	+ 5	75	+ 1
	El Arish	15.8	+ 0.3	19.5	−0.1	22.3	+0.8	18.4	+0.2	14.3	+1.4	16.0	+0.2	17.7	+0.4	16.1	+0.5	84	+ 8	68	+ 3	62	− 2	78	+ 3
	Ghazza	16.9	+ 0.7	19.6	−0.1	20.6	—	18.5	—	14.5	—	15.6	—	17.3	—	16.1	—	78	—	63	—	70	—	77	—
Lower Egypt	El Sirw	15.2	—	19.1	−0.1	22.8	−0.2	17.7	−0.2	—	—	16.3	+0.2	17.4	−0.7	15.8	+0.6	—	—	74	+ 3	55	− 5	81	+ 4
	Sakha	13.2	—	18.8	+0.4	26.1	−0.2	17.2	+0.6	11.0	—	16.0	+0.6	18.0	−0.2	14.6	+0.1	75	—	73	+ 2	42	− 0	74	− 4
	Mansoura	12.8	—	18.3	−0.2	26.1	+1.7	17.3	−0.2	11.7	—	15.4	−0.8	17.0	+0.5	14.3	+0.1	88	—	72	− 6	36	− 0	70	+ 2
	Damanhour	15.6	—	18.9	+0.3	25.3	+1.0	17.6	+0.8	—	—	15.7	+0.6	17.2	+0.6	14.6	+0.7	—	—	70	+ 3	40	− 1	70	0
	Tanta	13.7	—	17.7	−0.4	26.8	0.0	17.9	0.0	12.1	—	14.7	−0.1	17.5	−0.1	14.4	−0.4	82	—	70	+ 2	35	− 1	66	− 3
	Tahrir	14.9	—	18.1	—	26.6	—	19.2	—	12.9	—	14.6	—	16.0	—	14.5	—	80	—	69	—	32	—	60	—
	Shebin El Kom	14.4	—	17.4	−0.3	27.2	+1.0	18.9	+0.1	12.2	—	14.0	−0.4	17.5	+0.9	14.7	+0.1	76	—	67	− 1	34	+ 1	60	0
	Zagazig	20.2	—	17.4	−1.3	27.3	+0.4	20.1	+0.7	—	—	14.5	+1.0	17.5	−0.3	15.6	+0.7	—	—	71	+ 1	33	− 4	59	− 7
	Abu Sueir (A)	16.0	—	18.8	—	27.6	—	20.2	—	13.4	—	14.5	—	16.2	—	14.9	—	73	—	60	—	24	—	54	—
	Banha	15.3	—	17.1	—	27.2	—	19.4	—	12.8	—	14.0	—	17.5	—	14.7	—	73	—	69	—	34	—	57	—
	Zaher (A)	15.9	—	18.5	—	27.4	—	20.3	—	13.0	—	14.0	—	16.6	—	14.7	—	70	—	58	—	28	—	51	—
	Wadi El Natrun	15.5	—	18.4	+0.3	28.1	+0.9	20.6	−0.1	11.8	—	13.6	−0.8	15.7	−0.9	13.7	1.4	61	—	55	− 9	21	− 8	42	−10
	Inshas (A)	15.9	—	17.9	—	27.4	—	20.2	—	13.1	—	13.8	—	16.7	—	14.8	—	71	—	61	—	28	—	53	—
	Fayed (A)	16.6	—	19.1	—	28.5	—	21.1	—	13.5	—	15.2	—	17.0	—	15.2	—	69	—	59	—	26	—	50	—
	Kabrit (A)	17.3	—	19.6	—	28.2	—	21.5	—	14.7	—	15.7	—	18.5	—	16.1	—	74	—	64	—	35	—	55	—
Cairo Area	Cairo (A)	17.4	+ 1.4	19.0	+0.9	27.7	+0.9	21.7	+0.5	13.6	+0.4	14.4	0.0	16.1	−0.1	15.0	−0.2	63	− 8	58	− 6	23	− 7	45	—
	Mostafa Helmi (A)	15.3	—	17.4	—	26.6	—	20.1	—	12.4	—	13.1	—	15.4	—	14.1		69		58	—	24	—	48	—
	Almaza (A)	17.5	+ 1.3	19.3	+1.4	28.3	+1.5	21.5	0.0	12.8	−0.3	13.4	−0.3	16.4	+0.4	14.5	−0.4	55	− 13	47	−13	23	− 4	42	—
	Abbasiya (H. Q)	17.5	—	19.6	—	28.2	—	21.9	—	14.1	—	15.0	—	16.7	—	15.6	—	67	—	58	—	25	—	48	—
	Imbaba (A)	15.6	—	19.2	—	28.2	—	20.7	—	12.6	—	14.7	—	17.3	—	15.0	—	68	—	59	—	28	—	51	—
	Giza	16.1	—	18.8	+0.8	28.1	+0.3	21.2	+0.7	12.3	—	14.5	−0.1	16.4	−0.7	14.8	−0.0	73	—	63	− 4	29	− 0	50	—
	Helwan	17.5	—	19.5	+1.1	28.2	+1.0	22.4	+0.3	12.8	—	13.8	+0.4	16.1	+0.1	14.4	+0.5	55	—	49	− 5	22	+ 1	37	+ 2

Table A2 (*contd*).--**MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES AND THE RELATIVE HUMIDITY AT FIXED HOURS**

APRIL 1963

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	17.5	—	19.3	+0.5	29.6	+1.6	22.9	+1.7	13.3	—	14.7	+0.7	17.0	+0.7	15.0	+0.5	60	—	58	+2	22	—2	38	—6
	Beni Suef	17.8	—	19.6	—0.4	29.9	+0.5	22.5	+0.8	13.0	—	14.2	—0.3	17.6	+0.5	15.1	+0.5	55	—	52	0	24	+1	41	—1
	Minya (A)	16.2	+1.5	19.7	+1.4	30.6	+1.2	23.3	+2.6	12.2	+0.9	14.7	+1.1	17.4	+0.5	15.4	+1.4	59	—4	55	—1	21	—1	38	—6
	Mallawi	16.0	—	20.2	—	31.5	—	21.7	—	—	—	16.1	—	20.0	—	15.8	—	—	—	63	—	30	—	51	—
	Asyout (Mangabad) (A)	19.9	+1.4	20.7	+1.0	32.4	+1.6	26.1	+1.7	12.2	+0.8	13.2	+0.3	16.7	+0.5	15.0	+1.0	34	—2	37	—4	13	—1	24	—1
	Shandaweel	18.7	—	22.9	+0.3	33.5	+1.1	24.5	+2.0	—	—	15.8	0.0	19.2	—0.1	17.0	+1.2	—	—	43	—2	20	—4	43	+3
	Nag Hammadi	19.6	—	21.9	+0.9	33.7	+2.8	25.1	+2.2	—	—	16.4	+2.0	19.7	+2.3	16.8	+1.9	—	—	53	+9	22	+3	39	+1
	Kena	23.0	—	25.4	+2.4	34.3	+0.7	27.3	+1.6	—	—	15.7	+0.9	19.1	+0.7	16.3	+1.0	—	—	31	—5	18	+1	27	—1
	Luxor (A)	21.2	—1.3	24.5	+0.3	34.8	+1.0	27.0	+0.6	13.4	+0.9	16.0	+0.8	19.7	+0.7	16.6	+0.5	36	+3	36	+2	19	+1	29	+1
	Kom Ombo	21.0	—	25.5	—	36.5	—	27.7	—	12.4	—	15.2	—	18.6	—	15.4	—	30	—	28	—	11	—	20	—
	Aswan (A)	22.9	—	25.3	+1.6	35.8	—1.4	30.1	—1.1	11.9	—	13.6	—0.6	17.1	—1.4	14.8	—1.0	18	—	19	—10	7	—8	10	—8
Western Desert	Siwa	16.6	+0.2	17.6	+0.4	28.9	+0.3	23.7	+0.1	11.4	—0.3	12.5	0.0	15.8	—0.5	14.0	—0.4	50	+2	52	—3	18	—4	28	—2
	Bahariya	17.5	—	19.7	+4.0	31.0	+2.2	24.7	+2.6	11.3	—	12.9	—0.9	16.6	—0.9	14.2	—0.4	42	—	41	—14	15	—12	25	—15
	Farafra	18.1	—	19.3	+0.7	32.0	+2.7	25.5	+2.9	10.7	—	12.0	—0.3	16.9	+0.3	14.1	+0.9	33	—	37	—6	14	—7	21	—7
	Dakhla	18.0	—	21.4	+0.9	34.4	+3.6	26.4	+0.5	10.0	—	12.4	—0.2	17.1	+0.3	14.4	+0.3	28	—	28	—6	10	—7	19	—1
	Kharga	19.3	—	23.1	+0.9	35.5	+3.5	25.8	+0.5	11.6	—	14.2	—0.6	19.7	+0.3	15.5	—0.1	33	—	32	—9	17	—9	28	—3
Red Sea	Suez	18.4	—	20.4	+1.3	27.7	+1.1	22.9	+1.6	—	—	17.2	+0.9	19.1	+1.9	17.5	+1.8	—	—	71	+7	40	+5	56	+3
	Abu Redes	20.8	—	22.4	—	27.6	—	24.1	—	16.7	—	17.9	—	20.0	—	18.5	—	64	—	63	—	46	—	59	—
	Tor	20.5	—	22.7	+0.9	27.3	+2.5	24.6	+1.1	16.3	—	17.7	+0.5	18.2	—0.7	17.4	—0.7	63	—	59	—2	37	—18	46	—9
	Hurghada	20.1	+1.5	23.4	+1.5	27.1	+2.3	23.7	+0.7	13.8	+0.4	16.5	+0.2	19.0	—0.4	17.7	+0.3	45	—7	45	—8	43	—15	52	—3
	Quseir	23.2	—	25.9	+1.5	28.0	+2.2	24.8	+1.3	16.5	—	17.9	+0.5	20.8	+0.5	19.7	+1.4	47	—	42	—5	50	—9	60	+2
	Abul Kizan	24.0	—	25.7	+0.5	26.3	+0.2	24.8	+0.6	—	—	22.5	+0.7	22.4	+0.2	22.0	+0.4	—	—	75	+2	70	0	77	—1

Table A3. —MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

APRIL 1963

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	1010.4	—3.2	1010.9	—3.2	21.8	—2.0	15.3	+2.6	18.6	a	18.2	+0.8	a	14.2	+0.4	a	62	— 3
	Sidi Barrani	a	1007.6	—3.5	1010.2	—3.5	21.6	—0.4	13.6	+1.1	17.1	a	16.9	—0.3	a	14.0	+0.2	a	71	+ 5
	Mersa Matruh (A)	a	1007.3	—4.4	1011.0	—4.4	22.2	+0.3	12.8	—0.6	17.5	a	17.3	+0.1	a	13.9	+0.1	a	67	+ 1
	Ras El Hikma	a	1004.8	—	1010.3	—	20.4	—	14.7	—	17.6	a	17.2	—	a	14.4	—	a	72	—
	Dabaa	a	1007.7	—	1009.7	—	20.9	—2.2	12.6	—0.7	16.8	a	17.1	+0.2	a	13.5	—0.2	a	64	— 4
	Dekheila (A)	a	1010.0	—	1010.7	—	22.4	—	14.5	—	18.4	a	18.2	—	a	14.9	—	a	69	—
	Ras El Teen	a	1009.6	—	1010.6	—	20.5	—	16.0	—	18.2	a	18.1	—	a	15.2	—	a	72	—
	Alexandria (A)	a	1009.6	—4.5	1010.4	—4.5	24.3	+1.1	13.8	+0.5	19.0	a	18.6	+0.3	a	15.2	+0.4	a	68	— 2
	Balteam	a	1010.1	—	1010.3	—	22.3	—	15.5	—	18.9	a	19.3	—	a	15.3	—	a	63	—
	Damietta	a	1010.1	—4.1	1010.5	—4.1	23.7	+0.2	14.3	+0.6	19.0	a	18.5	+0.7	a	15.3	+0.1	a	70	— 4
	Port Said (A)	a	1009.3	—4.1	1010.0	—4.1	22.3	—0.0	16.3	+0.2	19.3	a	18.9	—0.1	a	16.0	+0.1	a	73	+ 1
	El Arish	a	1008.1	—4.4	1009.9	—4.4	24.6	+1.1	14.0	+0.7	20.3	a	18.9	—0.7	a	15.9	+0.8	a	72	+ 2
	Ghazza	a	1008.2	—	1010.0	—	22.6	—	14.9	—	18.8	a	18.6	—	a	15.8	—	a	73	—
Lower Egypt	El Sirw	—	—	—	—	—	23.9	—0.3	12.5	+0.3	18.2	c	18.7	+0.6	c	12.9	—2.5	e	78	+ 4
	Sakha	—	—	—	—	—	26.8	—0.3	11.7	+1.3	19.2	c	18.8	+0.9	c	14.9	—0.3	e	74	0
	Mansoura	a	1010.0	—3.6	1010.4	—3.6	27.3	+0.1	10.5	—1.7	18.9	a	18.4	—0.0	a	14.3	—0.8	a	61	— 7
	Damanhour	c	1010.5	—3.6	1011.1	—3.7	26.4	+0.1	12.4	+0.1	19.4	c	19.4	+1.4	c	16.2	+1.5	e	70	+ 2
	Tanta	a	1008.3	—4.2	1009.5	—4.2	27.6	—0.1	12.1	+1.6	19.8	a	19.0	+0.6	a	14.5	—0.6	a	58	—10
	Tahrir	a	1007.6	—	1009.8	—	28.2	—	13.1	—	20.6	a	19.7	—	a	14.4	—	a	56	—
	Shebin El Kom	a	1008.2	—4.7	1009.7	—4.7	28.0	+0.2	12.6	+0.7	20.3	a	19.6	+0.8	a	14.5	—0.5	a	54	—10
	Zagazig	c	1008.8	—4.1	1010.4	—4.1	27.9	—0.0	13.6	+2.1	20.8	c	20.2	+1.3	c	16.3	+0.8	e	65	— 3
	Abu Sueir (A)	a	1008.2	—	1010.1	—	29.1	—	13.9	—	21.5	a	20.5	—	a	14.7	—	a	50	—
	Banha	a	1007.7	—	1009.5	—	28.2	—	13.3	—	20.8	a	19.8	—	a	14.7	—	a	54	—
	Zaher (A)	a	1005.6	—	1009.2	—	28.3	—	13.9	—	21.2	a	20.5	—	a	14.4	—	a	47	—
	Wadi El Natrun	a	1010.7	—2.6	1010.8	+2.6	29.1	+0.3	12.7	—0.3	20.9	a	20.6	+1.0	a	13.6	—1.4	a	41	—17
	Inshas (A)	a	1005.5	—	1008.5	—	28.3	—	13.8	—	21.0	a	20.4	—	a	14.5	—	a	49	—
	Fayed (A)	a	1007.8	—	1010.3	—	29.6	—	14.6	—	22.1	a	21.4	—	a	15.0	—	a	46	—
	Kabrit (A)	a	1008.7	—	1010.1	—	29.4	—	15.3	—	22.4	a	21.8	—	a	16.1	—	a	52	—
Cairo Area	Cairo (A)	a	1002.0	—4.0	1009.6	—4.1	29.9	+2.0	15.1	+1.5	23.0	a	21.6	+0.8	a	14.7	—0.0	a	43	— 5
	Mostafa Helmi (A)	a	990.8	—	1009.8	—	27.4	—	13.4	—	20.4	a	20.0	—	a	13.7	—	a	45	—
	Almaza (A)	a	1000.2	—4.8	1009.4	—4.9	29.2	+1.3	15.4	+1.9	22.3	a	21.8	+1.1	a	14.2	—0.0	a	39	— 6
	Abbasiya H.Q.)	a	1006.9	—	1010.5	—	29.7	—	15.5	—	22.6	a	21.8	—	a	15.2	—	a	45	—
	Imbaba (A)	a	1007.6	—	1009.7	—	29.5	—	13.4	—	21.4	a	20.9	—	a	14.8	—	a	48	—
	Giza	a	1007.1	—3.9	1010.0	—3.8	29.7	—1.1	13.6	+2.7	21.6	a	21.1	+1.8	a	14.6	—0.2	a	49	—10
	Helwan	a	993.2	—3.4	1009.8	—3.6	29.7	—1.3	14.7	+0.6	22.2	a	21.7	+1.2	a	14.1	—0.8	a	38	— 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 A3 (*contd.*)—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

APRIL 1963

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	1006.8	—3.5	1009.7	—3.6	30.6	+1.2	14.8	+1.9	22.7	a	22.3	+1.1	a	14.9	+0.4	a	41	— 9
	Beni Suef	a	1005.7	—3.9	1009.1	—3.5	30.6	+0.9	13.9	+2.1	22.2	a	22.6	+1.9	a	15.0	+0.5	a	40	— 7
	Minya (A)	a	1004.2	—4.3	1008.9	—4.4	31.8	+1.6	13.1	+1.4	22.4	a	22.4	+1.2	a	14.8	+0.5	a	40	— 2
	Mallawi	—	—	—	—	—	32.6	—	13.5	—	23.0	c	22.4	—	c	17.4	—	e	57	—
	Asyout (Mangabad) (A)	a	1001.2	—3.3	1009.2	—3.3	33.6	+2.1	16.5	+2.0	25.0	a	25.1	+1.8	a	14.3	+0.9	a	24	— 2
	Shandaweel	—	—	—	—	—	35.0	+1.7	15.3	+1.7	25.2	c	24.9	+1.7	c	17.2	+0.8	e	43	— 3
	Nag Hammadi	c	1001.5	—2.9	1009.5	—3.1	33.5	+1.5	16.1	+3.0	24.8	c	25.1	+3.1	c	17.9	+3.3	e	46	+ 5
	Kena	c	1000.7	—2.2	1009.1	—2.3	35.5	+0.3	17.9	+1.8	26.7	c	27.5	—2.9	c	13.4	—1.9	e	29	— 3
	Luxor (A)	a	997.9	—3.0	1008.1	—2.9	35.6	+1.0	17.3	+1.9	26.4	a	26.8	+0.9	a	16.3	+1.2	a	28	0
	Kom Ombo	a	996.2	—	1007.8	—	37.5	—	16.9	—	27.2	a	27.5	—	a	15.2	—	a	20	—
	Aswan (A)	a	985.1	—3.7	1007.8	—3.2	37.1	+1.6	19.3	+0.3	28.2	a	28.6	+2.2	a	14.4	—1.2	a	12	—14
Western Desert	Siwa	a	1011.4	—4.8	1009.8	—4.7	30.2	+0.2	13.1	—0.0	21.6	a	21.8	+1.1	a	13.4	+0.6	a	33	— 1
	Bahariya	a	994.4	—4.9	1009.5	—5.1	31.8	+1.5	14.[illegible]	+1.8	23.1	a	23.3	+2.7	a	13.6	—1.0	a	27	—19
	Farafra	a	999.7	—3.4	1010.5	—3.5	33.1	+2.3	14.8	+2.7	24.0	a	23.9	+3.5	a	13.4	+2.8	a	23	— 4
	Dakhla	a	994.4	—5.0	1007.2	—5.1	35.5	—3.4	14.1	+0.3	24.8	a	25.3	+2.0	a	13.5	—0.7	a	18	—13
	Kharga	a	1000.9	—4.0	1009.0	—4.2	36.4	—3.3	16.1	+0.3	26.2	a	25.9	+2.1	a	15.2	—0.2	a	26	—10
Red Sea	Suez	c	1008.9	—3.6	1010.1	—3.6	29.7	+1.4	14.7	+0.1	22.2	c	22.4	+1.9	c	18.0	+2.2	e	63	+ 5
	Abu Redes	a	1008.3	—	1008.7	—	29.2	—	18.4	—	23.8	a	23.5	—	a	18.2	—	a	57	—
	Tor	a	1008.1	—3.3	1008.5	—3.3	29.5	+1.7	17.7	+1.6	23.6	a	23.4	+1.8	a	17.5	+0.8	a	53	— 6
	Hurghada	a	1008.4	—2.3	1008.6	—2.3	28.2	+2.4	17.8	+1.9	23.0	a	23.4	+1.2	a	16.6	+0.3	a	46	— 5
	Quseir	a	1007.5	—3.4	1008.5	—3.4	28.8	+1.5	21.6	+2.1	25.2	a	25.3	+2.0	a	18.6	+1.3	a	50	— 2
	Abul Kizan	c	1009.0	—	1009.5	—	27.7	+0.4	24.3	+1.9	26.0	c	25.2	+0.7	c	22.2	+0.6	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 A 4.—MAXIMUM AND MINIMUM AIR TEMPERATURES

APRIL 1963

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	33.0	12	18.2	*	4	2	0	0	0	17.0	16	12.4	11	0	0	0	0
	Sidi Barrani	32.2	12	18.0	4	2	1	0	0	0	16.4	19	9.7	11	1	0	0	0
	Mersa Matruh (A)	33.2	13	19.0	4	4	1	0	0	0	15.2	13	9.4	2	1	0	0	0
	Ras El Hikma	33.0	13	17.9	6	3	1	0	0	0	17.0	13	11.6	12	0	0	0	0
	Dabaa	33.7	13	18.0	5	5	1	0	0	0	15.4	13	7.8	26	4	0	0	0
	Dekheila (A)	32.0	13	19.0	5	4	2	0	0	0	16.8	28	10.4	12	0	0	0	0
	Ras El Teen	28.4	21	17.3	5	2	0	0	0	0	17.6	20	12.8	2	0	0	0	0
	Alexandria (A)	33.9	13	20.7	5	9	2	0	0	0	17.0	22	9.0	2	1	0	0	0
	Balteam	32.0	13	19.2	6	1	1	0	0	0	19.0	22	12.5	5	0	0	0	0
	Damietta	32.0	13	19.6	6	10	1	0	0	0	18.0	19	10.5	11	0	0	0	0
	Port Said (A)	28.5	13	19.5	6	2	0	0	0	0	18.8	22	13.2	11	0	0	0	0
	El Arish	34.4	27	20.4	6	9	4	0	0	0	17.2	7	11.6	11·18	0	0	0	0
	Ghazza	29.8	19	18.5	11	7	0	0	0	0	18.0	22	12.2	18	0	0	0	0
Lower Egypt	El Sirw	32.0	13	19.6	6	6	1	0	0	0	17.6	19	9.0	9	2	0	0	0
	Sakha	34.3	19	21.2	6	14	6	0	0	0	15.0	22	8.6	11	5	0	0	0
	Mansoura	34.3	16	22.1	6	22	7	0	0	0	16.6	19	7.3	11	12	0	0	0
	Damanhour	36.1	13	22.4	4.5	16	4	1	0	0	18.1	22	9.8	9	2	0	0	0
	Tanta	34.3	13	22.2	10	22	9	0	0	0	16.6	22	8.8	11	4	0	0	0
	Tahrir	36.4	13	22.5	10	25	10	1	0	0	18.1	22	10.3	11	0	0	0	0
	Shebin El Kom	35.0	13	22.3	10	24	9	0	0	0	16.9	22	8.8	11	1	0	0	0
	Zagazig	34.0	31.3	23.2	10	23	8	0	0	0	16.2	26	9.5	11	1	0	0	0
	Abu Sueir (A)	35.4	19	24.1	10	24	13	1	0	0	19.4	22	10.0	11	0	0	0	0
	Banha	35.3	13	22.4	10	25	9	1	0	0	17.6	22	9.0	11	1	0	0	0
	Zaher (A)	35.2	21	22.6	10	25	10	1	0	0	18.6	22	9.8	11	1	0	0	0
	Wadi El Natrun	37.7	21	22.2	10	26	12	2	0	0	18.1	22	9.0	11	2	0	0	0
	Inshas (A)	35.6	21	22.9	10	24	10	1	0	0	18.1	22	9.5	2	1	0	0	0
	Fayed (A)	38.6	16	23.6	10	26	12	2	0	0	19.0	22	11.0	11	0	0	0	0
	Kabrit (A)	35.4	21	23.5	11	26	12	1	0	0	19.9	22	10.4	12	0	0	0	0
Cairo Area	Cairo /A)	37.4	16	23.5	10	27	12	3	0	0	18.7	22	10.8	11	0	0	0	0
	Mostafa Helmi (A)	35.3	21	22.0	10	19	7	1	0	0	18.0	22	8.6	11	2	0	0	0
	Almaza (A)	37.4	16	23.9	10	26	11	2	0	0	18.9	22	11.7	2	0	0	0	0
	Abbasiya (H. Q)	37.0	16	24.2	10	27	12	2	0	0	19.4	26	11.8	2	0	0	0	0
	Imbaba (A)	36.4	16	23.2	10	27	11	4	0	0	17.6	22	9.0	11	2	0	0	0
	Giza	36.9	16	24.2	10	28	12	2	0	0	18.3	22	8.7	12	3	0	0	0
	Helwan	37.5	16	23.5	11	28	13	3	0	0	18.4	26	8.8	11	1	0	0	0

* More than 3 days.

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

APRIL 1963

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	39.6	16	23.8	10	30	14	4	0	0	19.6	22	11.2	12	0	0	0	0
	Beni Suef	39.5	21	24.4	10	29	16	6	0	0	17.2	8	8.7	2	1	0	0	0
	Minya (A)	40.3	16	24.4	11	23	16	6	1	0	19.0	1	7.0	11	4	0	0	0
	Mallawi	41.0	16	25.0	10·11	23	19	9	1	0	24.0	8	7.0	11	4	0	0	0
	Asyout (Mangabad) (A)	41.9	16	24.7	11	28	21	13	4	0	21.9	8	10.0	11	0	0	0	0
	Shandaweel	40.5	16·18	26.7	11	30	28	14	2	0	23.5	8	10.3	11	0	6	0	0
	Nag Hammadi	41.0	18	27.1	11	30	24	16	1	0	21.1	8	10.2	1	0	0	0	0
	Kena	40.5	18	29.3	10	30	28	17	1	0	24.7	22	12.6	3	0	0	0	0
	Luxor (A)	40.8	19	27.4	11	30	27	18	4	0	26.5	7	11.0	3	0	0	0	0
	Kom Ombo	42.6	18	29.8	11	30	29	20	9	0	25.0	21	10.4	2	0	0	0	0
	Aswan (A)	42.0	7·20	28.2	11	30	28	21	11	0	25.8	7	13.0	1	0	0	0	0
Western Desert	Siwa	39.2	15	25.2	22	30	13	3	0	0	17.5	30	7.3	11	4	0	0	0
	Bahariya	39.9	16	24.3	10	29	18	9	0	0	21.0	7	7.2	11	2	0	0	0
	Farafra	41.2	18	25.5	10	30	21	11	3	0	20.9	7	8.3	12	2	0	0	0
	Dakhla	42.5	18	27.2	10	30	27	19	5	0	23.0	8	6.1	1	4	0	0	0
	Kharga	43.0	6	27.1	10	30	28	18	7	0	25.5	8	8.7	2	1	0	0	0
Red Sea	Suez	36.0	14	25.4	10·11	30	12	1	0	0	21.6	22	11.3	12	0	0	0	0
	Abu Redes	38.0	27	23.2	10	25	9	3	0	0	22.7	2	14.9	11	0	0	0	0
	Tor	36.0	14·27	23.6	12	26	9	3	0	0	23.8	12	12.0	3	0	0	0	0
	Hurghada	32.4	14	23.4	11	28	5	0	0	0	23.2	22	12.0	1	0	0	0	0
	Quseir	33.9	27	25.2	11	30	6	0	0	0	24.6	27	18.0	3	0	0	0	0
	Abul Kizan	34.5	22	23.0	11	29	1	0	0	0	26.7	21	21.0	11	0	0	0	0

Table A 5.— RAINFALL AND SNOW DEPTH

APRIL 1963

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	0.9	— 0.7	0.3	4·21	2	3	0	0	0	0	0	0.0	—
	Sidi Barrani	0.3	— 2.6	0.2	4	1	2	0	0	0	0	0	0.0	—
	Mersa Matruh (A)	2.4	— 2.4	1.5	22	1	4	1	0	0	0	0	0.0	—
	Ras El Hikma	0.3	—	0.2	4	3	2	0	0	0	0	0	0.0	—
	Dabaa	Tr.	— 2.6	Tr.	18	1	0	0	0	0	0	0	0.0	—
	Dekhela (A)	2.2	— 2.6	1.6	23	0	4	1	0	0	0	0	0.0	—
	Ras El Teen	8.7	—	5.9	22	0	3	3	1	0	0	0	0.0	—
	Alexandria (A)	18.0	+ 14.5	13.0	22	0	5	2	1	1	0	0	0.0	—
	Baltim	3.4	—	2.0	23	0	3	2	0	0	0	0	0.0	—
	Damietta	5.0	+ 2.1	2.0	23	0	1	1	1	0	0	0	0.0	—
	Port Said (A)	1.2	— 0.5	0.9	23	1	2	0	0	0	0	0	0.0	—
	El Arish	0.7	— 5.5	0.7	23	1	1	0	0	0	0	0	0.0	—
	Ghazza	6.2	—10.8	2.8	30	1	6	2	0	0	0	0	0.0	—
	Fuka	1.5	+ 1.5	1.0	27	0	2	1	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	3.5	+ 2.2	3.3	22	0	2	2	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	6.0	+ 4.0	4.0	23	0	2	2	0	0	0	0	0.0	—
	Kaitia L.H.	1.6	— 2.8	1.0	22	0	1	1	0	0	0	0	0.0	—
	Borollos L.H.	1.6	— 3.4	1.6	22	0	1	1	0	0	0	0	0.0	—
	Damietta L.H.	1.2	— 1.8	1.2	23	0	1	1	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	0.5	— 1.6	0.3	9	1	2	0	0	0	0	0	0.0	—
	Damanhour	0.1	— 1.3	0.1	23	1	1	0	0	0	0	0	0.0	—
	Tanta	0.2	— 1.9	0.1	7·22	0	2	0	0	0	0	0	0.0	—
	Tahrir	2.4	—	2.2	21	0	2	1	0	0	0	0	0.0	—
	Shebin El Kom	0.2	— 1.0	0.2	7	1	1	0	0	0	0	0	0.0	—
	Zagazig	Tr.	— 2.4	Tr.	7	1	0	0	0	0	0	0	0.0	—
	Abu Sueir	Tr.	—	Tr.	7·23	2	0	0	0	0	0	0	0.0	—
	Banha (A)	Tr.	— 0.7	Tr.	7·21	2	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.	7	1	0	0	0	0	0	0	0.0	—
	Inshas (A)	0.3	—	0.3	7	0	1	0	0	0	0	0	0.0	—
	Fayed (A)	0.4	—	0.4	7	0	1	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	—
	Tolombat El Boseili	6.0	+ 3.0	4.5	22	0	2	2	0	0	0	0	0.0	—
	Kafr El Dawar	3.0	0.0	3.0	23	0	1	1	0	0	0	0	0.0	—
	Kafr El Sheikh	0.0	— 0.5	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Zayat	Tr.	— 2.0	Tr.	8	1	0	0	0	0	0	0	0.0	—
	Faqus	Tr.	— 3.0	Tr.	7.23	2	0	0	0	0	0	0	0.0	—
Cairo Area	Cairo (A)	0.3	— 0.5	0.3	7	0	1	0	0	0	0	0	0.0	—
	Mostafa Helmi (A)	0.3	—	0.3	7	0	1	0	0	0	0	0	0.0	—
	Almaza (A)	Tr.	— 0.6	Tr.	7	1	0	0	0	0	0	0	0.0	—
	Abbasiya (H.Q.)	Tr.	—	Tr.	7	1	0	0	0	0	0	0	0.0	—
	Imbaba (A)	Tr.	—	Tr.	7	1	0	0	0	0	0	0	0.0	—
	Giza	Tr.	— 0.7	Tr.	5·17.21	3	0	0	0	0	0	0	0.0	—
	Helwan	0.2	— 0.7	0.2	7	0	1	0	0	0	0	0	0.0	—

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

APRIL 1963

Disriot	S ation	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.	7.8.29	3	0	0	0	0	0	0	0.9	–
	Beni Suef	Tr.	— 1.3	Tr.	7.8	2	0	0	0	0	0	0	0.0	–
	Minya (A)	Tr.	— 0 7	Tr.	8	1	0	0	0	0	0	0	0.0	–
	Mallawi	1.0	—	1.0	7	0	1	1	0	0	0	0	0.0	–
	Asyout (Mangabad) (A)	Tr.	+ Tr.	Tr.	7	1	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	1.0	+ 1.0	1.0	8	0	1	1	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	0.3	0.0	—	0	0	0	0	0	0	0	0.0	–
Western Desert	Siwa	Tr.	— 0.9	Tr.	6	1	0	0	0	0	0	0	0.0	–
	Bahariya	0.6	— 0.7	0.6	7	1	1	0	0	0	0	0	0.0	–
	Farafra	0.0	Tr.	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	Tr.	+ Tr.	Tr.	21	1	0	0	0	0	0	0	0.0	–
Red Sea	Suez	0.0	— 1.2	0.0	—	0	0	0	0	0	0	0	0.0	–
	Tor	3.2	+ 3.2	3.2	7	0	1	0	0	0	0	0	0.0	–
	Abu Redes	0.3	—	0.3	8	1	1	1	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 A 6—BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT & BLACK BULB TEMPERATURES AND GRASS MINIMUM
APRIL 1963

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	—	—	—	3.2	—	3.5	—	3.4	—	3.6	—	6.1	—	—	14.9
	Sidi Barrani	—	—	—	—	—	4.4	—	3.2	—	3.0	—	5.2	—	—	—
	Mersa Matruh (A)	237.6	388.8	61.1	1.8	—	3.9	—	3.5	—	3.7	—	9.4	—	—	—
	Ras El Hikma	—	—	—	—	—	3.5	—	3.0	—	3.4	—	5.0	—	—	13.8
	Dabaa	—	—	—	—	—	3.6	—	3.0	—	3.5	—	6.8	—	—	—
	Dekheila (A)	—	—	—	2.1	—	4.0	—	3.1	—	3.4	—	4.6	—	—	—
	Ras El Teen	—	—	—	3.0	—	4.5	—	3.7	—	4.3	—	4.5	—	—	—
	Alexandria (A)	291.9	388.2	75.2	3.3	—	4.7	—	3.5	—	4.1	—	4.5	—	—	—
	Baltream	—	—	—	—	—	3.5	—	3.2	—	2.3	—	4.3	—	—	—
	Damietta	—	—	—	—	—	2.9	—	3.3	—	2.1	—	3.8	—	—	—
	Port Said (A)	251.6	388.2	64.8	2.4	—	3.0	—	3.1	—	2.5	—	6.4	45	27	15.3
	E. Arish	—	—	—	4.3	—	3.5	—	3.3	—	3.9	—	4.0	—	—	12.7
	Ghazza	258.9	388.8	65.9	3.8	—	4.7	—	3.9	—	3.3	—	4.8	—	—	14.0
Lower Egypt	El Sirw	—	—	—	—	—	2.7	—	2.3	—	1.3	—	4.3	—	—	—
	Sakha	—	—	—	—	—	2.6	—	3.3	—	1.8	—	5.0	—	—	11.7
	Mansoura	—	—	—	—	—	3.2	—	3.2	—	0.0	—	10.2	—	—	—
	Damanhour	—	—	—	—	—	3.4	—	3.1	—	2.5	—	4.6	—	—	—
	Tanta	298.6	387.4	77.1	—	—	2.5	—	2.6	—	1.7	—	5.7	63	40	—
	Tahrir	297.3	386.7	76.6	—	—	3.1	—	3.0	—	1.6	—	13.3	—	—	11.7
	Shibin El Kom	—	—	—	—	—	2.3	—	2.5	—	1.1	—	4.0	—	—	—
	Zagazig	238.2	387.6	61.5	—	—	4.1	—	3.8	—	1.7	—	5.5	—	—	—
	Abu Sueir (A)	—	—	—	2.1	—	4.3	—	4.1	—	2.4	—	8.6	70	35	12.8
	Banha	—	—	—	—	—	3.0	—	2.7	—	2.0	—	7.1	—	—	—
	Zeher (A)	—	—	—	—	—	3.5	—	3.5	—	2.0	—	9.6	—	—	—
	Wadi El Natrun	—	—	—	—	—	2.7	—	2.9	—	2.7	—	11.6	—	—	—
	Inshas (A)	—	—	—	1.3	—	2.8	—	3.1	—	2.0	—	10.3	—	—	—
	Fayed (A)	—	—	—	—	—	3.3	—	3.3	—	2.2	—	13.0	—	—	—
	Kabrit (A)	—	—	—	—	—	3.6	—	3.1	—	2.4	—	12.8	—	—	—
Cairo Area	Cairo (A)	—	—	—	2.5	—	3.9	—	3.3	—	2.3	—	16.7	—	—	—
	Mostafa Helmi (A)	—	—	—	1.3	—	3.3	—	2.4	—	2.4	—	14.2	—	—	—
	Almaza (A)	283.7	387.2	73.3	2.5	—	3.7	—	2.9	—	2.1	—	9.4	—	—	—
	Abbasiya (H.Q.)	285.4	387.2	73.7	1.8	—	4.0	—	2.6	—	2.7	—	8.7	70	45	—
	Imbaba (A)	—	—	—	—	—	3.3	—	3.5	—	2.5	—	9.1	—	—	—
	Giza	286.5	386.2	74.0	—	—	3.1	—	2.1	—	1.6	—	10.2	—	—	8.5
	Helwan	—	—	—	1.5	—	2.6	—	2.7	—	2.4	—	19.1	—	—	—
Upper Egypt	Fayoum	—	—	—	—	—	1.6	—	2.2	—	1.7	—	9.9	—	—	11.6
	Beni Suef	—	—	—	—	—	1.6	—	2.6	—	1.4	—	7.7	—	—	11.2
	Minya (A)	—	—	—	1.4	—	1.8	—	3.0	—	2.0	—	9.6	—	34	10.7
	Malawi	—	—	—	—	—	1.3	—	2.4	—	0.5	—	5.3	—	—	11.2
	Asyout (Mangabad) (A)	—	—	—	1.0	—	1.6	—	2.1	—	1.7	—	16.9	—	48	15.5
	Shandaweel	287.6	388.2	74.2	—	—	1.2	—	1.1	—	1.4	—	8.7	—	—	9.9
	Nag Hammadi	—	—	—	—	—	1.2	—	1.7	—	0.3	—	8.8	—	—	15.5
	Kena	—	—	—	—	—	1.0	—	1.3	—	0.5	—	10.3	—	—	15.6
	Luxor (A)	—	—	—	0.8	—	2.0	—	2.1	—	1.7	—	9.2	66	46	9.2
	Kom Ombo	—	—	—	—	—	1.0	—	1.2	—	1.0	—	14.8	—	—	12.9
	Aswan (A)	—	—	—	0.8	—	1.0	—	1.4	—	1.1	—	24.3	—	—	—
Western Desert	Siwa	—	—	—	1.4	—	2.6	—	2.5	—	2.4	—	12.8	—	—	11.4
	Bahariya	—	—	—	1.5	—	2.3	—	2.3	—	2.5	—	11.4	54	36	13.8
	Farafra	—	—	—	1.4	—	1.5	—	1.5	—	1.6	—	17.3	55	38	13.7
	Dakhla	—	—	—	0.5	—	1.2	—	1.4	—	0.8	—	17.1	62	42	11.2
	Khaga	—	—	—	0.3	—	1.2	—	1.3	—	0.9	—	13.8	—	—	15.5
Red Sea	Suez	—	—	—	—	—	2.9	—	3.2	—	2.6	—	8.4	—	—	—
	Abu Redes	279,3	385,3	72.5	—	—	1.3	—	2.0	—	1.6	—	7.7	—	—	—
	Tor	—	—	—	1.5	—	1.7	—	2.1	—	2.3	—	8.1	—	—	—
	Hurghada	—	—	—	1.3	—	1.6	—	2.4	—	2.5	—	15.0	—	—	—
	Quseir	—	—	—	1.5	—	2.1	—	1.8	—	1.4	—	10.6	—	—	—
	Abul Kizan	—	—	—	—	—	1.5	—	1.7	—	1.0	—	5.5	—	—	—

Table A 7. – SOIL TEMPERATURES (°C) AT FIXED HOURS

APRIL 1963

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	Sidi Barrani . .	5	—	—	—	—	—	17.3	20.0	13	15.3	5	25.9	30.3	12	21.0	6	20.9	23.5	12·13	18.0	6
		10	—	—	—	—	—	18.2	20.4	12	16.5	5	22.8	25.1	12,13	19.5	6	22.4	25.0	13	18.5	6
		20	—	—	—	—	—	19.9	21.4	13	18.5	7	20.4	23.1	28	19.0	5·6·7	21.5	23.4	13	18.0	6
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Marsa Matruh (A)	5	18.0	20.7	13	15.5	11,12	19.5	20.3	13	13.7	11	25.1	31.0	12	19.5	1	21.7	25.3	25	19.9	7
		10	19.4	21.4	14	17.0	7	20.2	21.3	13	15.0	11	23.6	26.0	28	20.0	6·9	22.8	25.5	25	20.0	7
		20	20.8	22.6	15	19.1	10	19.7	21.2	14	17.8	11	20.3	21.3	23·30	18.5	7	21.7	23.8	30	19.8	7
		50	20.4	21.4	29·30	19.2	1	20.5	21.5	14,17	19.4	11·8	20.3	21.2	29	19.5	1	20.4	21.5	30	19.4	2,7,11
		100	18.4	20.1	22	16.7	7	18.4	20.1	22	17.2	1	18.5	19.7	24	17.2	1	18.5	20.2	21	16.9	5
		200	20.0	21.4	29	19.5	10	20.0	20.6	29	19.7	*	20.2	21.0	29	19.5	4	20.1	21.0	29	19.5	5
	Ras El Hekma .	5	—	—	—	—	—	17.1	19.8	13	15.1	1	24.3	29.2	13	18.5	7	19.5	21.5	13	17.0	6
		10	—	—	—	—	—	16.8	18.8	13	15.0	12	21.4	25.2	13	17.7	7	20.2	23.0	13	17.5	6
		20	—	—	—	—	—	17.2	18.8	13	15.7	11,12	20.1	23.1	13	17.5	6	19.8	22.4	13	17.5	6
		50	—	—	—	—	—	18.6	19.9	30	17.3	1	18.6	19.7	29·30	17.3	1	18.6	19.7	29·30	17.3	1
		100	—	—	—	—	—	18.0	18.9	29,30	17.1	1	18.0	18.9	29·30	17.2	1,2	18.1	18.9	29·30	17.2	1,2
		200	—	—	—	—	—	18.4	18.7	29,30	18.2	1,2,3	18.4	18.7	29·30	18.2	1,2,3	18.4	18.7	28,29,30	18.2	*
	Dabaa	5	—	—	—	—	—	16.4	19.8	22	13.0	1	25.3	28.8	20	21.0	6·7	20.6	24.4	13	18.0	2·6·7
		10	—	—	—	—	—	17.6	18.5	16	14.4	1	22.2	24.7	13	19.0	6	21.1	24.3	13	18.6	6
		20	—	—	—	—	—	18.7	20.0	20,21	17.1	1	19.3	20.3	29	17.6	1	19.5	21.3	25	18.6	6,7
		50	—	—	—	—	—	19.8	21.0	28,29,30	18.1	1	19.7	20.8	28,29,30	18.1	1	19.6	20.9	28	17.9	1
		100	—	—	—	—	—	18.8	19.6	28,29,30	17.2	1	18.8	19.7	30	17.2	1	18.8	19.7	30	17.2	1
		200	—	—	—	—	—	18.9	19.2	23,28	18.6	*	18.9	19.2	23,28,30	18.6	*	18.9	19.2	23,28,30	18.6	*
	Alexandria . (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	23.0	25.1	23	20.8	2	22.9	24.7	23	21.0	1	22.8	24.6	22	20.7	1	23.0	24.9	22	20.8	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	El Arish. . . .	5	19.9	26.2	23	15.5	5	18.7	20.6	14	16.6	1	24.7	28.8	27	22.0	6	23.1	26.0	26	20.0	7
		10	20.7	23.0	27	16.1	5	19.3	21.6	22	17.2	1	23.5	26.2	27	21.5	1·11	23.6	26.3	26	21.2	7
		20	22.6	24.2	27	20.6	1	21.2	23.0	28	19.4	1	21.9	23.8	27	17.2	5	23.3	25.1	26	21.0	1,6,7
		50	22.6	24.3	29·30	21.4	9	23.0	24.4	28	21.7	1	22.5	24.6	27	21.5	1	22.5	24.1	27	21.4	1
		100	21.9	23.1	30	20.8	1	21.9	23.0	30	20.8	1	21.9	22.9	28·29	21.0	1·2	22.0	22.8	28	20.8	1
		200	21.6	22.3	30	20.8	3	21.6	22.4	30	20.8	3	21.6	22.2	28,29,30	21.0	1·2	21.6	22.2	28,29,30	20.8	1

* More than 3 days.

Table A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS
APRIL 1963

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	Ghazza	5	20.8	23.8	22	18.0	1	20.1	24.0	22	17.4	1	28.9	34.6	23	23.1	8	24.0	27.0	26	21.6	6
		10	22.1	25.0	27	18.9	7	20.3	23.5	22	17.7	1	26.5	30.3	26	22.0	8	25.2	29.2	26	21.2	8
		20	22.9	25.5	22,23,27	19.5	1	21.6	24.8	23	19.0	1	23.8	26.7	22	21.0	1	24.9	28.8	22	21.8	8
		50	22.6	21.5	*	20.0	3	22.6	24.6	26	20,0	3	22.9	24.8	26,27,28	20.0	1	22.7	25.0	29	19.5	2
		100	24.3	26.5	30	22.0	3	24.3	26.0	*	21.0	3	24.4	26.5	23	22.0	1,4	24.3	27.0	29	22.0	1,2
		200	22.9	24.5	29	22.0	1	22.8	25.0	30	21.5	2	23.0	25.8	23	21.5	4	22.9	25.0	29	21.0	2
	Sakha	5	—	—	—	—	—	17.8	—	—	—	—	23.5	—	—	—	—	17.9	—	—	—	—
		10	—	—	—	—	—	18.2	—	—	—	—	22.7	—	—	—	—	17.8	—	—	—	—
		20	—	—	—	—	—	19.3	—	—	—	—	22.1	—	—	—	—	18.1	—	—	—	—
		50	—	—	—	—	—	18.7	—	—	—	—	19.1	—	—	—	—	18.3	—	—	—	—
		100	—	—	—	—	—	18.6	—	—	—	—	19.1	—	—	—	—	18.3	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	19.1	22.4	22	15.8	1	26.7	29.7	16	21.7	7	23.6	26.2	21	20.3	6,7
		10	—	—	—	—	—	22.4	24.0	21	19.6	1	25.4	27.5	20	22.4	7	22.5	27.4	21	22.2	7
		20	—	—	—	—	—	21.2	23.3	22	18.6	1	21.4	23.4	22	18.6	1	22.2	23.8	22-26	19.7	1
		50	—	—	—	—	—	24.3	26.0	22	21.7	1	24.1	25.8	22	21.6	1	24.2	25.8	22	21.8	1
		100	—	—	—	—	—	22.1	23.4	30	20.4	1	22.2	23.4	29-30	20.4	1	23.3	23.5	30	20.6	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tahrir	5	—	—	—	—	—	19.8	22.2	27	16.5	14	34.1	38.6	13	26.9	7	24.0	27.6	13	20.6	7
		10	—	—	—	—	—	19.9	21.6	14-21	17.2	11	29.5	32.7	26	24.7	7	26.0	29.1	13	22.1	7
		20	—	—	—	—	—	21.6	23.5	27	19.1	11	24.8	26.9	21	19.9	7	26.4	28.7	19	22.6	7
		50	—	—	—	—	—	23.3	24.8	*	21.4	1	22.9	24.4	27	21.0	1	23.3	24.9	27	21.4	1
		100	—	—	—	—	—	22.4	23.8	29-30	20.7	1	—	—	—	—	—	22.5	23.8	29	20.8	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	5	20.1	23.1	22	16.9	11	20.8	24.8	22	17.5	11	36.2	43.8	21	26.0	7	25.3	29.6	21	21.5	7
		10	23.6	26.2	22	20.5	11	21.8	25.6	22	18.9	11	29.3	37.5	21	26.2	1	27.0	30.2	21	23.0	7
		20	24.6	26.3	18	22.0	9	23.5	26.2	22	21.0	12	25.8	33.0	19	22.5	7	26.4	29.5	21	23.0	7
		50	24.4	26.4	23	22.6	2	24.2	26.2	22	22.4	1	24.0	28.5	27	21.9	1	24.3	26.4	22	22.3	1
		100	23.0	25.5	29	21.6	1	23.8	25.5	29	21.5	1	23.8	25.3	28-29	21.8	1	2[illegible].2	30.9	6	21.9	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	22.7	24.8	28,29,30	20.5	1	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	21.1	23.8	29	18.5	1	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

More than 3 days.

Table A 7 (*contd.*). SOIL TEMPERATURE (°C) AT FIXED HOURS

APRIL 1963

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
Cairo Area	Giza	5	—	—	—	—	—	21.3	25.2	22	17.5	11	33.9	38.2	21	29.0	6,7	27.8	31.6	21	23.6	10
		10	—	—	—	—	—	22.5	25.8	22	19.6	11	27.6	30.5	21	24.8	8	28.2	31.0	21	24.9	7
		20	—	—	—	—	—	24.7	26.8	22	22.5	2	24.7	26.8	22,27	22.5	1,2	25.8	27.7	27	23.5	1
		50	—	—	—	—	—	24.6	26.3	28	22.6	1	24.5	26.2	28	22.6	1	24.5	26.2	28	22.6	1
		100	—	—	—	—	—	—	—	—	—	—	23.4	24.7	30	22.1	2	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	22.9	23.4	[illegible]	22.6	*	—	—	—	—	—
Upper Egypt	Fayoum	5	—	—	—	—	—	19.9	22.1	22	17.2	2	27.3	30.2	21	22.5	7	24.0	26.6	21	22.0	10,11
		10	—	—	—	—	—	20.5	22.9	22	18.0	11,12	24.6	26.4	21	21.3	7	24.1	26.8	21	21.0	7
		20	—	—	—	—	—	22.1	23.5	22	20.5	2	22.5	24.0	27	21.1	1	22.2	24.5	14	21.5	1
		50	—	—	—	—	—	22.1	—	—	—	—	22.2	—	—	—		22.0	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	5	23.4	26.9	26	19.0	2	21.0	24.0	22	17.0	12	29.4	33.0	26	21.0	8	27.6	30.0	26,27	24.6	5
		10	26.2	29.0	22	23.0	2	24.3	27.0	22	20.0	12	28.1	32.6	16	25.0	1	28.9	32.0	16	26.0	5,11
		20	25.7	27.6	28	23.0	1	24.9	27.0	22,28	22.0	2	25.7	27.5	27	23.0	1	26.3	28.2	26	23.0	1
		50	25.5	27.2	28	23.5	1,2,3	25.5	27.3	28	23.3	2	25.5	27.0	*	23.2	1	25.7	27.4	30	23.5	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mallawi	5	—	—	—	—	—	20.0	23.0	28	15.5	2	27.0	30.5	26	22.8	1	26.9	30.5	27	23.0	1
		10	—	—	—	—	—	21.1	23.5	28	17.0	2	23.9	28.0	25	20.0	1	24.1	27.5	25	20.0	1
		20	—	—	—	—	—	21.9	24.0	[illegible]	18.5	2	22.1	24.6	*	19.0	1,2	22.2	24.0	*	19.0	1,2
		50	—	—	—	—	—	19.9	21.7	30	17.9	1	19.9	21.7	29,30	17.9	1	19.9	21.7	29,30	17.9	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel	5	—	—	—	—	—	22.9	26.0	22	17.0	2	29.8	33.0	27	26.0	1,2	28.1	31.0	27	25.0	1,2
		10	—	—	—	—	—	24.4	26.5	22,28	20.0	2	26.2	28.5	27	23.0	2,3	27.1	29.5	21	22.0	1
		20	—	—	—	—	—	24.9	27.0	23	19.5	2	25.3	27.0	27,28	22.0	2,3	25.7	27.5	27,28	22.5	1
		50	—	—	—	—	—	24.8	28.5	22,28	24.0	1,2,3	27.6	29.0	*	23.9	2	28.1	29.5	*	25.9	1
		100	—	—	—	—	—	25.1	26.5	26	23.5	1,2,3	25.1	26.5	24	22.0	2	25.2	27.0	23,24	23.0	1,2,3
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

APRIL 1963

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	Nag Hammadi	5	—	—	—	—	—	19.4	22.0	21,22,25	16.3	1	26.9	28.5	28	24.4	2	22.5	25.1	27	21.0	1,3
		10	—	—	—	—	—	19.7	22.4	22	17.1	2,3	26.4	28.0	16,28	23.0	1	22.4	25.1	18	20.1	1
		20	—	—	—	—	—	21.5	23.6	22	18.7	1	22.8	24.5	28	19.9	3	21.6	23.6	28,29	19.2	1
		50	—	—	—	—	—	22.6	24.5	23	20.4	6	22.6	24.8	23	20.0	6	22.7	24.6	21,23	20.3	6
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo	5	—	—	—	—	—	22.8	29.3	10	18.0	10	39.8	45.2	18	21.0	30	27.5	33.0	20	22.5	24
		10	—	—	—	—	—	23.0	26.7	21	20.0	2	29.4	33.0	18,20	26.0	29	27.2	30.5	20	24.3	25
		20	—	—	—	—	—	24.4	26.5	22,23	22.0	3	24.9	27.0	21,22	22.7	3	25.5	27.8	20,22	23.0	3
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Western Desert	Siwa	5	22.3	25.4	27	19.2	1	20.5	23.8	27	17.0	1	25.9	29.2	15	22.2	10	25.8	29.0	15	23.8	16
		10	22.9	25.0	27	20.0	1	20.8	23.0	30	18.0	1	24.9	27.0	15,16	22.8	5	25.9	28.8	15	23.4	6
		20	22.6	25.3	17	21.1	1	21.7	23.8	30	19.6	1	23.9	28.4	29	21.7	1	25.2	28.4	16	22.8	6
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bahariya	5	23.6	27.0	16	19.0	11	20.6	24.5	16	15.6	11	29.7	35.8	16	25.6	10,11	28.4	33.6	15	23.5	7
		10	25.5	28.5	16	20.4	11	22.7	26.1	16	18.2	13	26.5	31.4	16	23.0	13	28.3	32.2	15,16	24.2	5
		20	26.5	29.1	17	23.5	11	25.2	27.5	16	22.2	11	25.1	27.8	16	22.0	1	26.8	29.6	16	23.4	5
		50	26.2	28.1	24	23.8	1	26.4	27.8	22	23.9	1	26.1	27.7	22,27	23.7	1	26.2	27.7	22	23.6	1
		100	24.9	26.4	24,29	23.1	1	24.9	26.5	29	23.1	1,2	24.9	26.3	29,30	23.0	1	24.9	26.3	29,30	23.1	1
		200	24.3	25.2	28,29,30	23.3	1,2	24.3	25.2	28,29,30	23.3	1	24.3	25.2	28,29,30	23.6	1	24.3	25.2	28,29,30	23.2	1
	Farafra	5	27.0	29.2	22	23.5	1	24.7	27.7	19	20.3	1	31.0	33.4	16	28.2	1	30.8	33.6	16	28.3	1
		10	27.8	29.9	16	24.4	1	26.0	28.3	19	22.5	1	28.0	29.8	19	24.8	1	29.7	32.0	16	27.2	1
		20	27.8	29.6	21	24.8	1	27.0	28.8	17	23.9	1	26.8	28.4	17,19	23.7	1	28.1	29.6	21	25.4	1
		50	25.5	27.1	22,23	22.5	2	25.4	27.3	29,30	22.4	1	25.4	27.3	30	22.7	2	25.4	27.3	30	22.1	1
		100	24.1	25.6	29,30	22.0	1	24.1	25.6	29	22.1	1	24.1	25.6	29	22.1	1	24.1	25.6	29	22.2	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 8 — FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

APRIL 1963

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	2	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	9	4
	Sidi Barrani	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	—	—
	Mersa Matruh (A)	3	0	0	0	0	1	2	2	0	0	11	6	0	0	0	0	0	7	1
	Ras El Hikma	2	0	0	0	0	0	1	1	0	0	5	0	0	0	0	0	0	—	—
	Dabaa	0	0	0	0	0	0	0	0	0	0	8	1	0	0	0	0	1	—	—
	Dekheila (A)	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	2
	Ras El Teen	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	5	0
	Alexandria (A)	5	0	0	0	0	0	1	2	0	0	1	0	0	0	0	0	0	4	3
	Balteam	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	—	—
	Damietta	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Port Said (A)	2	0	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	10	1
	El Arish	1	0	0	0	0	0	5	1	3	0	3	0	0	0	0	0	0	6	4
	Ghazza	6	0	0	0	0	0	4	1	0	0	1	1	0	0	0	0	0	5	3
LOWER EGYPT	El Sirw	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	2	0	0	0	0	1	0	0	2	0	2	1	0	0	0	0	0	—	—
	Damanhour	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	2	0	0	0	0	1	3	4	0	0	2	2	0	0	0	0	0	—	—
	Shebin El Kom	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	—	—
	Zagazig	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	0	0	0	0	0	0	8	1	4	0	7	1	0	0	0	0	0	11	2
	Banha	0	0	0	0	0	0	2	1	2	0	4	0	0	0	0	0	0	—	—
	Zaher (A)	0	0	0	0	0	0	2	0	4	0	5	0	0	0	0	0	0	—	—
	Wadi El Natrun	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	—	—
	Inshas (A)	2	0	0	0	0	0	1	2	2	0	9	2	0	0	0	0	1	13	2
	Fayed (A)	2	0	0	0	0	0	0	0	0	0	6	1	0	0	0	0	1	—	—
	Kabrit (A)	0	0	0	0	0	0	0	0	2	0	6	1	0	0	0	0	0	—	—
	Delta Barrage	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CAIRO AREA	Cairo (A)	1	0	0	0	0	0	6	0	12	0	10	2	0	0	0	0	0	10	2
	Mostafa Helmi (A)	1	0	0	0	0	0	6	2	2	0	16	3	0	0	0	0	1	7	0
	Almaza (A)	0	0	0	0	0	0	4	0	15	0	9	2	0	0	0	0	0	11	2
	Abbasiya (H.Q.)	0	0	0	0	0	0	2	0	9	0	5	1	0	0	0	0	0	18	1
	Imbaba (A)	0	0	0	0	0	0	2	0	9	0	6	0	0	0	0	0	0	—	—
	Giza	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	—	—
	Helwan	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16	2

Table A 8 *(cont.l.)*. —**FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.**
APRIL 1963

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	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	—	—
	Beni Suef	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	—	—
	Minya (A)	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	19	3
	Mallawi	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad). (A)	0	0	0	0	0	0	0	0	10	0	7	1	0	0	0	0	0	22	2
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena (A)	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor (A)	0	0	0	0	0	2	0	0	13	1	7	3	0	0	0	0	0	21	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	5	0	8	2	0	0	0	0	0	22	0
Western Desert	Siwa	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	19	3
	Bahariya	1	0	0	0	0	1	0	0	0	0	5	1	0	0	0	0	1	10	—
	Farafra	0	0	0	0	0	0	0	0	11	0	11	1	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	26	0
	Kharga	0	0	0	0	0	1	0	0	0	0	5	0	0	0	0	0	0	26	0
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	1	0	0	0	0	0	0	0	2	0	5	0	0	0	0	0	0	—	—
	Tor	1	0	0	0	0	2	2	0	2	0	2	0	0	0	0	0	0	21	1
	Hurghada	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	1	20	3
	Quseir	0	0	0	0	0	0	3	0	14	0	15	1	0	0	0	0	1	21	2
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

APRIL 1963

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	1	0	1–10	78	60	42	43	29	17	13	21	37	15	24	97	476
					11–27	24	23	19	66	8	1	1	6	0	5	13	72	238
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**102**	**83**	**61**	**109**	**37**	**18**	**14**	**27**	**37**	**20**	**37**	**169**	**714**
	Mersa Matruh . (A)	6	3	1	1–10	76	31	16	21	19	6	4	10	10	23	30	17	263
					11–27	113	36	35	68	19	1	4	17	7	20	36	79	435
					28–47	0	0	5	3	2	0	0	0	0	0	0	2	12
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**189**	**67**	**56**	**92**	**40**	**7**	**8**	**27**	**17**	**43**	**66**	**98**	**710**
	Dekheila . . . (A)	5	2	0	1–10	72	60	36	38	31	22	13	12	18	19	49	83	453
					11–27	28	36	33	10	6	6	0	0	3	24	60	53	259
					28–47	0	0	0	1	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	1
					All speeds	**100**	**96**	**69**	**49**	**37**	**28**	**13**	**12**	**21**	**43**	**109**	**136**	**713**
	Ras El Teer	11	1	10	1–10	55	53	55	40	41	28	11	3	1	18	6	17	328
					11–27	120	64	32	56	9	9	19	2	1	3	8	45	368
					28–47	0	2	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	**175**	**119**	**87**	**96**	**50**	**37**	**30**	**5**	**2**	**21**	**14**	**62**	**698**
	Alexandria . . (A)	7	1	0	1–10	81	37	54	56	37	28	7	7	17	23	37	96	450
					11–27	30	26	36	11	3	0	2	0	8	26	79	41	262
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**111**	**63**	**90**	**37**	**40**	**28**	**9**	**7**	**25**	**49**	**116**	**137**	**712**
	Port Said . . . (A)	0	4	0	1–10	41	37	23	17	14	13	7	5	8	21	13	23	222
					11–27	130	52	88	36	7	3	0	0	2	41	56	77	492
					28–47	1	1	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	**172**	**90**	**111**	**53**	**21**	**16**	**7**	**5**	**10**	**62**	**69**	**100**	**716**
LOWER EGYPT	El Arish	1	14	0	1–10	57	69	37	20	36	82	33	29	87	17	70	78	615
					11–27	4	7	3	0	1	0	0	1	7	11	41	15	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	**61**	**76**	**40**	**20**	**37**	**82**	**33**	**30**	**94**	**28**	**111**	**93**	**705**
	Ghazza	0	39	0	1–10	49	49	33	36	19	80	49	24	17	52	40	43	491
					11–27	11	24	2	0	0	9	0	3	28	52	43	18	190
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**60**	**73**	**35**	**36**	**19**	**89**	**49**	**27**	**45**	**104**	**83**	**61**	**681**
	Mansoura	0	4	31	1–10	47	77	34	27	15	10	8	33	69	47	37	57	481
					11–27	20	18	46	16	2	0	0	1	18	20	38	25	204
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**67**	**95**	**80**	**43**	**17**	**10**	**8**	**34**	**87**	**67**	**95**	**82**	**685**
	Tanta	12	0	0	1–10	39	56	68	52	49	8	9	15	93	47	84	90	610
					11–27	8	8	15	10	3	0	0	0	8	11	18	17	98
					28–47	0	0	0	0	0	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**	**64**	**83**	**62**	**52**	**8**	**9**	**15**	**101**	**58**	**102**	**107**	**708**

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

APRIL 1963

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	
Lower Egypt	Tahrir	6	14	1	1–10	54	58	77	45	21	20	13	1	27	70	63	78	527
					11–27	26	22	28	9	4	0	0	0	3	25	19	35	171
					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	**80**	**81**	**105**	**54**	**25**	**20**	**13**	**1**	**30**	**95**	**82**	**113**	**699**
	Abu Suoir . . . (A)	18	1	1	1–10	44	48	40	21	28	17	7	24	66	47	34	25	401
					11–27	63	56	31	2	5	1	0	1	37	34	47	22	298
					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	**107**	**104**	**71**	**23**	**33**	**18**	**7**	**25**	**103**	**81**	**81**	**47**	**700**
	Zaher . . . . . (A)	5	9	0	1–10	59	51	55	26	11	15	11	16	61	58	64	77	504
					11–27	12	44	31	6	5	7	1	4	23	24	16	29	202
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**71**	**95**	**86**	**32**	**16**	**22**	**12**	**20**	**84**	**82**	**80**	**106**	**706**
Cairo Area	Cairo . . . . . (A)	55	45	42	1–10	38	71	83	25	9	4	9	8	33	45	72	64	461
					11–27	6	14	30	4	5	1	3	8	15	16	6	8	117
					28–47	0	0	0	0	0	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**	**85**	**113**	**29**	**14**	**5**	**12**	**17**	**48**	**61**	**78**	**72**	**578**
	Mostafa Helmi . (A)	4	2	0	1–10	17	24	46	13	19	17	18	5	13	17	29	59	277
					11–27	44	72	73	47	11	4	4	13	11	14	49	89	431
					28–47	0	0	2	4	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	**61**	**96**	**121**	**64**	**30**	**21**	**22**	**18**	**24**	**31**	**78**	**148**	**714**
	Almaza . . . . (A)	0	3	0	1–10	85	82	77	13	28	14	4	14	25	56	75	72	545
					11–27	9	22	54	10	7	6	2	14	9	26	8	5	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	**94**	**104**	**131**	**23**	**35**	**20**	**6**	**28**	**34**	**82**	**83**	**77**	**717**
	Abbasiya . . . (H.Q)	50	2	0	1–10	138	92	42	10	7	14	14	24	22	35	95	106	599
					11–27	4	22	10	1	0	1	0	6	10	9	5	1	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	**142**	**114**	**52**	**11**	**7**	**15**	**14**	**30**	**32**	**44**	**100**	**107**	**668**
	Giza	31	21	0	1–10	108	92	35	1	9	28	26	12	14	43	60	155	583
					1127	14	25	17	1	0	1	1	2	1	6	5	12	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	**122**	**117**	**52**	**2**	**9**	**29**	**27**	**14**	**15**	**49**	**65**	**167**	**668**
Upper Egypt	Minya . . . . . (A)	42	1	0	1–10	113	102	7	6	5	39	21	11	7	31	40	106	488
					11–27	14	40	1	0	1	5	7	4	7	17	27	16	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	**127**	**142**	**8**	**6**	**6**	**44**	**28**	**15**	**14**	**48**	**67**	**122**	**677**
	Asyout . . . . (A)	12	2	16	1–10	6	9	22	35	12	13	10	26	82	153	85	50	503
					11–27	0	4	0	7	7	13	10	8	31	33	45	26	184
					28–47	0	0	0	0	0	0	0	3	0	0	0	0	3
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**6**	**13**	**22**	**42**	**19**	**26**	**20**	**37**	**113**	**186**	**130**	**76**	**690**

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

APRIL 1963

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	
Upper Egypt	Luxor . . . . . (A)	31	5	0	1-10	80	88	32	20	17	20	23	57	38	56	52	115	598
					11-27	5	4	0	0	1	2	15	8	3	4	6	38	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	**85**	**92**	**32**	**20**	**18**	**22**	**38**	**65**	**41**	**60**	**58**	**153**	**684**
	Aswan . . . . . (A)	0	1	7	1-10	153	119	25	6	15	24	40	22	22	19	28	59	532
					11-27	48	24	1	0	2	7	6	4	1	18	11	58	180
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**201**	**143**	**26**	**6**	**17**	**31**	**46**	**26**	**23**	**37**	**39**	**117**	**712**
Western Desert	Siwa	56	8	34	1-10	29	30	53	64	38	29	19	17	24	33	42	22	400
					11-27	8	29	25	67	22	3	2	5	0	13	32	16	222
					28-47	0	0	0	0	0	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**	**59**	**78**	**131**	**60**	**32**	**21**	**22**	**24**	**46**	**74**	**38**	**622**
	Dakhla	10	2	541	1-10	16	14	13	7	11	10	12	4	4	10	13	31	148
					11-27	2	0	0	0	0	0	0	2	2	1	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	**18**	**14**	**13**	**7**	**11**	**10**	**12**	**6**	**6**	**11**	**15**	**44**	**167**
Red Sea	Hurghada	6	9	10	1-10	11	26	25	27	44	43	11	5	6	17	84	30	335
					11-27	48	10	2	6	18	23	1	0	0	16	85	118	327
					28-47	0	0	0	0	0	0	0	0	0	0	0	33	33
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**59**	**36**	**27**	**33**	**62**	**66**	**12**	**5**	**6**	**33**	**169**	**187**	**695**

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

SALLUM — APRIL 1963

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	3	5	0	1	1	1	0	1	0	2	1	2	17
				11-27	1	0	1	3	0	0	0	0	0	1	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	**4**	**5**	**1**	**4**	**1**	**1**	**0**	**1**	**0**	**3**	**4**	**3**	**27**
0300	7	0	0	1-10	3	3	1	2	0	0	0	0	0	2	2	3	16
				11-27	1	0	1	1	1	0	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	**4**	**3**	**2**	**3**	**1**	**0**	**0**	**0**	**0**	**4**	**3**	**3**	**23**
0600	6	0	0	1-10	4	2	0	0	1	0	0	0	2	2	1	2	14
				11-27	1	1	1	1	0	0	0	0	1	3	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	**5**	**3**	**1**	**1**	**1**	**0**	**0**	**0**	**3**	**5**	**3**	**2**	**24**
0900	3	0	0	1-10	2	3	1	2	2	0	0	1	0	3	2	0	16
				11-27	0	2	1	4	0	0	0	0	0	3	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	**2**	**5**	**2**	**6**	**2**	**0**	**0**	**1**	**0**	**6**	**2**	**1**	**27**
1200	2	0	0	1-10	3	4	3	2	1	0	0	0	0	0	1	0	14
				11-27	2	3	5	0	0	0	0	1	0	1	1	1	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**6**	**7**	**8**	**2**	**1**	**0**	**0**	**1**	**0**	**1**	**2**	**1**	**28**
1500	1	0	0	1-10	1	4	3	2	0	0	0	0	0	0	1	1	12
				11-27	3	6	3	1	0	0	0	1	0	1	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	**4**	**10**	**6**	**3**	**0**	**0**	**0**	**1**	**0**	**1**	**2**	**2**	**29**
1800	3	0	0	1-10	3	9	1	0	1	0	0	0	1	0	0	1	16
				11-27	2	2	2	1	0	0	0	0	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	**5**	**11**	**3**	**1**	**1**	**0**	**0**	**0**	**1**	**1**	**1**	**3**	**27**
2100	5	0	0	1-10	3	6	1	1	0	0	0	0	0	1	1	3	16
				11-27	0	1	2	3	0	0	0	0	1	1	1	0	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**3**	**7**	**3**	**4**	**0**	**0**	**0**	**0**	**1**	**2**	**2**	**3**	**25**

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 1963

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	1	1	0	4	1	0	0	1	3	0	1	13
				11-27	2	2	0	3	0	0	0	2	0	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	**3**	**3**	**1**	**3**	**4**	**1**	**0**	**2**	**1**	**6**	**2**	**2**	**28**
0300	1	0	0	1-10	0	1	1	3	0	0	0	0	1	4	2	0	12
				11-27	4	0	1	2	1	0	1	1	1	4	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	**4**	**1**	**2**	**5**	**1**	**0**	**1**	**1**	**2**	**8**	**3**	**1**	**29**
0600	0	0	0	1-10	1	0	0	1	2	0	0	0	0	2	2	2	10
				11-27	3	3	1	3	1	0	0	1	2	1	3	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	**4**	**3**	**1**	**4**	**3**	**0**	**0**	**1**	**2**	**3**	**5**	**4**	**30**
0900	0	0	0	1-10	1	3	0	0	1	0	0	0	0	0	0	0	5
				11-27	9	3	3	4	1	0	0	1	0	0	0	3	24
				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	**10**	**6**	**3**	**4**	**2**	**0**	**0**	**1**	**0**	**0**	**0**	**4**	**30**
1200	0	0	0	1-10	2	1	0	0	0	0	0	0	0	0	0	0	3
				11-27	9	1	2	5	2	0	0	0	0	0	0	5	24
				28-47	0	0	0	1	0	0	0	0	0	0	0	2	3
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**11**	**2**	**2**	**6**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**30**
1500	0	0	0	1-10	2	2	0	0	0	0	0	0	0	0	0	2	6
				11-27	5	2	3	5	1	0	0	0	0	0	0	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**	**4**	**3**	**5**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**10**	**30**
1800	0	0	0	1-10	2	2	1	0	0	0	0	0	1	0	1	2	9
				11-27	6	0	3	3	1	1	0	0	0	0	2	5	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**8**	**2**	**4**	**3**	**1**	**1**	**0**	**0**	**1**	**0**	**3**	**7**	**30**
2100	0	0	0	1-10	4	2	0	4	1	0	1	0	1	0	3	0	16
				11-27	4	1	0	2	1	0	0	1	0	0	3	2	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**8**	**3**	**0**	**6**	**2**	**0**	**1**	**1**	**1**	**0**	**6**	**2**	**30**

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

DEKHEILA (A) — APRIL 1963

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

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

RAS EL TEEN — APRIL 1963

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	1	2	2	2	1	2	0	0	0	0	2	13
				11-27	4	4	0	1	1	0	2	0	0	0	1	2	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**5**	**5**	**2**	**3**	**3**	**1**	**4**	**0**	**0**	**0**	**1**	**4**	**28**
0300	2	0	0	1-10	2	4	0	0	3	2	0	0	1	1	1	0	14
				11-27	4	0	3	2	0	0	3	0	0	0	0	2	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**6**	**4**	**3**	**2**	**3**	**2**	**3**	**0**	**1**	**1**	**1**	**2**	**28**
0600	3	0	0	1-10	2	2	1	1	2	1	1	0	1	2	0	0	13
				11-27	3	3	1	1	1	0	2	0	0	0	2	1	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**5**	**5**	**2**	**2**	**3**	**1**	**3**	**0**	**1**	**2**	**2**	**1**	**27**
0900	1	0	0	1-10	2	3	4	2	1	1	1	0	0	0	2	0	16
				11-27	4	0	3	1	0	0	0	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	**6**	**3**	**7**	**3**	**1**	**1**	**1**	**0**	**0**	**0**	**4**	**3**	**29**
1200	0	0	0	1-10	2	2	5	1	0	0	0	0	0	0	0	1	11
				11-27	8	3	3	3	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**	**5**	**8**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**30**
1500	0	0	0	1-10	2	1	3	0	1	1	0	0	0	0	0	1	9
				11-27	6	6	4	2	2	0	0	0	0	0	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	**8**	**7**	**7**	**2**	**3**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**30**
1800	3	0	0	1-10	2	3	2	3	1	1	0	0	0	0	0	1	13
				11-27	2	4	1	2	1	0	1	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	**4**	**7**	**3**	**5**	**2**	**1**	**1**	**0**	**0**	**0**	**0**	**4**	**27**
2100	0	0	0	1-10	2	3	4	2	0	4	0	0	1	0	0	1	17
				11-27	3	4	0	2	0	1	1	0	0	0	0	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	**5**	**7**	**4**	**4**	**0**	**5**	**1**	**0**	**1**	**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

ALEXANDRIA (A) — APRIL 1963

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	3	1	2	3	0	0	0	3	1	4	19
				11–27	1	1	0	1	0	0	0	0	0	2	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	**2**	**2**	**3**	**2**	**2**	**3**	**0**	**0**	**0**	**5**	**2**	**6**	**27**
0300	3	0	0	1–10	2	2	1	2	2	2	0	1	2	1	2	3	20
				11–27	1	1	1	0	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	**3**	**3**	**2**	**2**	**2**	**2**	**0**	**1**	**2**	**2**	**3**	**5**	**27**
0600	2	0	0	1–10	2	1	2	2	1	1	1	1	1	1	0	5	18
				11–27	1	1	2	0	0	0	0	0	2	1	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	**3**	**2**	**4**	**2**	**1**	**1**	**1**	**1**	**3**	**2**	**1**	**7**	**28**
0900	1	0	0	1–10	3	1	1	3	0	0	1	0	1	0	0	4	14
				11–27	0	2	3	0	0	0	0	0	0	4	2	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**	**3**	**4**	**3**	**0**	**0**	**1**	**0**	**1**	**4**	**2**	**8**	**29**
1200	0	0	0	1–10	7	0	1	0	1	0	0	0	0	0	2	1	12
				11–27	3	0	2	1	0	0	0	0	0	1	7	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	**10**	**0**	**3**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**9**	**5**	**30**
1500	0	0	0	1–10	5	1	1	1	0	0	0	0	0	0	0	4	12
				11–27	3	2	3	0	0	0	0	0	0	0	5	5	18
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**8**	**3**	**4**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**9**	**30**
1800	1	0	0	1–10	6	5	2	1	0	0	0	0	0	0	4	3	21
				11–27	0	1	2	0	1	0	0	0	0	0	3	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**	**6**	**4**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**7**	**4**	**29**
2100	1	0	0	1–10	7	2	4	1	1	1	0	0	1	2	2	0	21
				11–27	0	1	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	**7**	**3**	**4**	**1**	**2**	**1**	**0**	**0**	**1**	**3**	**3**	**4**	**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) — APRIL 1963

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	2	0	2	2	3	0	0	0	1	0	1	11
				11-27	2	2	1	3	0	1	0	0	0	3	5	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	2	4	1	5	2	4	0	0	0	4	5	2	29
0300	0	0	0	1-10	2	1	1	2	0	1	1	1	2	0	1	1	13
				11-27	0	2	2	2	0	0	0	0	0	5	2	2	15
				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	3	3	4	4	0	1	1	1	2	5	3	3	30
0600	0	0	0	1-10	1	1	0	0	1	0	1	1	0	2	0	4	11
				11-27	1	1	5	3	0	0	0	0	1	5	2	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	2	5	3	1	0	1	1	1	7	2	5	30
0900	0	0	0	1-10	1	1	1	1	0	0	0	1	2	1	1	0	9
				11-27	2	1	6	1	0	0	0	0	0	4	3	4	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	2	7	2	0	0	0	1	2	5	4	4	30
1200	1	0	0	1-10	1	2	1	0	0	0	0	0	0	0	0	0	4
				11-27	10	3	4	1	0	0	0	0	0	0	0	6	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	12	5	5	1	0	0	0	0	0	0	0	6	29
1500	0	0	0	1-10	1	1	0	1	0	0	0	0	0	0	0	1	4
				11-27	12	5	2	0	0	0	0	0	0	0	0	6	25
				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	13	7	2	1	0	0	0	0	0	0	0	7	30
1800	0	0	0	1-10	2	4	1	0	0	0	0	0	0	0	0	1	8
				11-27	8	2	2	2	0	0	0	0	0	0	3	5	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	6	3	2	0	0	0	0	0	0	3	6	30
2100	0	0	0	1-10	2	1	1	3	1	0	0	0	0	0	1	2	12
				11-27	2	2	2	2	1	0	0	0	0	1	4	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	4	3	3	5	2	0	0	0	0	1	5	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 — APRIL 1963

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	1	1	4	6	2	5	5	1	2	0	28
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**1**	**1**	**1**	**4**	**6**	**2**	**5**	**5**	**1**	**2**	**0**	**28**
0300	3	0	0	1–10	0	1	2	1	1	5	4	3	10	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	**0**	**1**	**2**	**1**	**1**	**5**	**4**	**3**	**10**	**0**	**0**	**0**	**27**
0600	1	0	0	1–10	0	0	2	3	2	3	2	1	11	0	0	1	25
				11–27	0	0	0	1	0	0	0	0	2	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**	**2**	**4**	**2**	**3**	**2**	**1**	**13**	**0**	**1**	**1**	**29**
0900	0	0	0	1–10	4	4	1	0	1	1	1	1	0	0	5	6	24
				11–27	0	0	0	0	0	0	0	0	0	1	4	1	6
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**4**	**4**	**1**	**0**	**1**	**1**	**1**	**1**	**0**	**1**	**9**	**7**	**30**
1200	0	0	0	1–10	7	5	1	0	0	0	0	0	0	1	3	7	24
				11–27	1	0	0	0	0	0	0	0	0	0	3	2	6
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**8**	**5**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**6**	**9**	**30**
1500	0	0	0	1–10	8	4	3	0	0	0	0	0	0	0	4	6	25
				11–27	3	0	0	0	0	0	0	0	0	0	1	1	5
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**11**	**4**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**7**	**30**
1800	4	0	0	1–10	5	2	3	3	1	0	2	0	0	0	7	1	24
				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**	**2**	**3**	**3**	**1**	**0**	**2**	**0**	**0**	**0**	**9**	**1**	**26**
2100	4	0	0	1–10	1	2	1	0	2	3	1	4	5	1	6	0	26
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**1**	**2**	**1**	**0**	**2**	**3**	**1**	**4**	**5**	**1**	**6**	**0**	**26**

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

GHAZZA — APRIL 1963

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	0	0	0	1-10	0	2	0	5	1	8	4	1	1	3	0	2
				11-27	0	0	0	0	0	1	0	0	0	2	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	**0**	**2**	**0**	**5**	**1**	**9**	**4**	**1**	**1**	**5**	**0**	**2**
0300	0	0	0	1-10	0	3	2	1	2	9	5	2	1	1	0	0
				11-27	0	0	0	0	0	2	0	0	0	2	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	**0**	**3**	**2**	**1**	**2**	**11**	**5**	**2**	**1**	**3**	**0**	**0**
0600	0	0	0	1-10	1	2	2	2	1	1	7	5	2	0	0	0
				11-27	0	0	0	0	0	0	0	2	3	2	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	**1**	**2**	**2**	**2**	**1**	**1**	**7**	**7**	**5**	**2**	**0**	**0**
0900	0	0	0	1-10	2	0	0	0	0	1	0	0	2	5	5	4
				11-27	2	0	0	0	0	0	0	0	5	3	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	**4**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**7**	**8**	**6**	**4**
1200	0	0	0	1-10	4	2	0	0	0	0	0	0	0	0	7	2
				11-27	2	1	0	0	0	0	0	1	0	4	5	2
				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**	**3**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**4**	**12**	**4**
1500	0	0	0	1-10	2	3	1	1	0	0	0	0	0	1	4	3
				11-27	4	4	0	0	0	0	0	0	0	3	2	2
				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**	**7**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**4**	**6**	**5**
1800	0	0	0	1-10	5	3	5	0	0	1	1	0	1	1	3	3
				11-27	0	2	1	0	0	0	0	0	0	0	3	1
				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**	**5**	**6**	**0**	**0**	**1**	**1**	**0**	**1**	**1**	**6**	**4**
2100	0	0	0	1-10	8	1	2	5	3	3	3	1	1	0	0	1
				11-27	0	0	0	0	0	0	0	0	1	4	2	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	**3**	**1**	**2**	**5**	**3**	**3**	**3**	**1**	**2**	**4**	**2**	**1**

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

ABU SUEIR — APRIL 1963

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	1	2	1	3	1	1	0	0	8	3	2	0	22
				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	**1**	**3**	**2**	**3**	**1**	**1**	**0**	**0**	**8**	**3**	**2**	**0**	**24**
0300	5	0	0	1-10	1	4	0	0	2	2	0	3	6	1	1	0	20
				11-27	0	1	1	0	0	0	1	0	1	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	**1**	**5**	**1**	**0**	**2**	**2**	**1**	**3**	**7**	**1**	**2**	**0**	**25**
0600	1	0	0	1-10	**0**	2	1	0	3	1	0	2	3	3	0	0	15
				11-27	0	2	4	1	0	0	0	0	2	4	0	1	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**4**	**5**	**1**	**3**	**1**	**0**	**2**	**5**	**7**	**0**	**1**	**29**
0900	1	0	0	1-10	0	2	1	0	2	0	1	0	3	2	3	1	15
				11-27	0	1	2	0	0	0	0	0	5	2	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	**0**	**3**	**3**	**0**	**2**	**0**	**1**	**0**	**8**	**4**	**5**	**3**	**29**
1200	0	0	0	1-10	4	3	0	0	0	0	0	1	0	0	4	0	12
				11-27	1	2	0	0	0	0	0	0	4	2	5	2	16
				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	**7**	**5**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**2**	**9**	**2**	**30**
1500	0	0	0	1-10	0	0	1	0	0	0	0	0	1	0	1	1	4
				11-27	7	9	0	0	0	0	0	1	0	4	5	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	**7**	**9**	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**4**	**6**	**1**	**30**
1800	0	0	0	1-10	2	4	2	0	0	0	0	0	0	0	2	1	11
				11-27	5	8	0	0	0	0	0	0	0	2	1	3	19
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	**0**	0	0	0	0	0	0	0	0	0	0
				All speeds	**7**	**12**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**3**	**4**	**30**
2100	4	0	0	1-10	0	2	3	2	3	0	0	2	0	1	4	4	21
				11-27	1	1	1	1	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	**1**	**3**	**4**	**3**	**3**	**0**	**0**	**2**	**0**	**1**	**5**	**4**	**26**

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

CAIRO (A) — APRIL 1963

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	2	5	1	3	0	1	1	3	2	2	0	21
				11-27	0	0	2	0	2	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	1	2	7	1	5	0	1	1	3	2	3	0	26
0300	3	0	0	1-10	1	0	4	4	1	2	1	0	6	3	1	1	24
				11-27	0	0	2	0	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	1	0	6	4	1	2	2	0	6	3	1	1	27
0600	3	0	0	1-10	2	3	3	1	0	1	1	1	2	4	2	2	22
				11-27	0	0	2	0	0	0	1	0	2	0	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	3	5	1	0	1	2	1	4	4	2	2	27
0900	2	0	0	1-10	1	2	3	0	1	1	0	1	5	4	1	2	21
				11-27	0	0	2	0	0	0	0	1	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	1	2	5	0	1	1	0	2	7	6	1	2	28
1200	0	0	0	1-10	2	4	1	0	0	0	0	0	0	4	3	5	19
				11-27	0	0	1	0	0	0	0	3	2	3	1	1	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	4	2	0	0	0	0	3	2	7	4	6	30
1500	0	0	0	1-10	3	2	0	0	0	0	1	1	0	0	8	5	20
				11-27	1	1	3	0	0	0	0	0	2	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	3	0	0	0	1	1	2	1	9	6	30
1800	1	0	0	1-10	3	4	6	0	1	0	0	0	0	3	2	5	24
				11-27	0	1	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	3	5	10	0	1	0	0	0	0	3	2	5	29
2100	3	0	0	1-10	2	5	5	3	2	0	0	0	2	2	1	2	24
				11-27	0	0	2	1	0	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	5	7	4	2	0	0	0	2	2	1	2	27

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 1963

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	1	4	1	0	2	2	0	0	2	2	2	19
				11-27	2	0	3	2	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	**5**	**1**	**7**	**3**	**0**	**2**	**2**	**0**	**0**	**2**	**2**	**5**	**29**
0300	0	0	0	1-10	3	1	1	1	0	1	2	0	1	2	4	2	18
				11-27	2	0	3	3	1	0	0	1	0	0	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	**5**	**1**	**4**	**4**	**1**	**1**	**2**	**1**	**1**	**2**	**6**	**2**	**30**
0600	0	1	0	1-10	3	0	1	0	0	1	2	1	2	1	1	3	15
				11-27	0	2	3	1	2	0	1	0	0	1	3	1	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**3**	**2**	**4**	**1**	**2**	**1**	**3**	**1**	**2**	**2**	**4**	**4**	**29**
0900	0	1	0	1-10	0	0	2	0	2	1	0	0	1	1	1	3	11
				11-27	3	1	3	2	0	0	0	3	0	0	4	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
				A speeds	**3**	**1**	**5**	**2**	**2**	**1**	**0**	**3**	**1**	**1**	**5**	**5**	**29**
1200	0	0	0	1-10	0	2	3	0	1	0	0	1	0	0	0	1	8
				11-27	3	1	1	1	0	0	0	0	1	1	4	9	21
				28-47	0	0	0	1	0	0	0	0	0	0	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**3**	**3**	**4**	**2**	**1**	**0**	**0**	**1**	**1**	**1**	**4**	**10**	**30**
1500	0	0	0	1-10	0	3	0	0	0	0	0	1	0	0	0	0	4
				11-27	5	4	4	1	0	0	0	1	0	1	0	8	24
				28-47	0	0	0	1	0	0	0	0	0	0	1	0	2
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**5**	**7**	**4**	**2**	**0**	**0**	**0**	**2**	**0**	**1**	**1**	**8**	**30**
1800	0	0	0	1—10	2	0	1	1	1	0	0	0	0	0	0	2	7
				11-27	5	8	4	3	1	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	**7**	**8**	**5**	**4**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**30**
2100	0	0	0	1-10	4	2	3	1	1	0	0	0	0	0	1	4	16
				11-27	2	3	3	2	2	1	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	**6**	**5**	**6**	**3**	**3**	**1**	**0**	**0**	**0**	**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 ALMAZA (A) — APRIL 1963

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	6	3	0	3	0	0	2	0	2	4	2	23
				11-27	0	0	3	0	1	1	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	6	6	0	4	1	0	2	0	2	4	2	28
0300	0	0	0	1-10	3	2	2	2	2	2	0	3	3	1	3	2	25
				11-27	0	0	3	1	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	3	2	5	3	2	2	0	3	3	2	3	2	30
0600	1	0	0	1-10	1	4	1	0	1	0	0	2	3	5	5	3	25
				11-27	0	0	1	1	0	0	1	0	0	0	0	0	3
				28-47	0	0	1	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	1	4	3	1	1	0	1	2	3	5	5	3	29
0900	0	0	0	1-10	2	1	3	2	0	0	0	1	2	4	6	2	23
				11-27	1	0	1	1	0	0	0	1	2	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	3	1	4	3	0	0	0	2	4	4	7	2	30
1200	0	0	0	1-10	3	2	3	0	0	0	0	0	1	3	3	5	20
				11-27	1	1	1	0	0	0	0	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	4	3	4	0	0	0	0	1	3	5	4	6	30
1500	0	0	0	1-10	5	2	1	0	0	0	1	0	0	1	4	3	17
				11-27	1	3	2	0	0	0	2	0	0	2	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	6	5	3	0	0	0	3	0	0	3	6	4	30
1800	0	0	0	1-10	2	6	5	1	1	0	0	0	0	0	2	5	22
				11-27	1	3	3	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	3	9	8	1	1	0	0	0	0	1	2	5	30
2100	0	0	0	1-10	7	3	5	0	2	1	0	0	0	0	4	1	23
				11-27	0	1	2	1	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	7	4	7	1	5	1	0	0	0	0	4	1	30

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS ABBASIYA — APRIL 1963

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	6	3	4	0	1	0	0	1	0	3	3	2	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	3	4	0	1	0	0	1	0	3	4	2	24
0600	7	0	0	1-10	8	2	0	0	0	1	1	0	0	4	3	2	21
				11-27	0	0	1	1	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	2	1	1	0	1	1	0	0	4	3	2	23
0900	4	0	0	1-10	4	3	2	0	0	0	3	1	1	5	2	3	24
				11-27	0	0	1	0	0	0	0	0	0	1	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	3	3	0	0	0	3	1	1	6	2	3	26
1200	1	0	0	1-10	4	4	0	0	0	0	0	4	3	2	6	1	24
				11-27	0	1	1	0	0	0	0	1	1	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	4	5	1	0	0	0	0	5	4	3	6	1	29
1500	0	0	0	1-10	4	4	0	0	0	0	0	1	0	4	3	7	23
				11-27	0	1	0	0	0	0	1	0	1	2	1	1	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	5	0	0	0	0	1	1	1	6	4	8	30
1800	0	0	0	1-10	8	2	0	0	0	1	1	0	0	1	4	6	23
				11-27	0	3	0	0	0	0	0	0	1	1	2	0	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	5	0	0	0	1	1	0	1	2	6	6	30
2100	2	0	0	1-10	5	7	4	0	1	0	0	0	0	0	3	5	25
				11-27	1	1	0	0	0	0	0	0	0	1	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	8	4	0	1	0	0	0	0	1	3	5	28
	3	0	0	1-10	9	7	2	1	1	0	0	0	0	0	3	3	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	9	7	3	1	1	0	0	0	0	0	3	3	27

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

MINYA (A)—APRIL 1963

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	2	0	0	0	1	1	0	0	3	1	6	16
				11-27	5	1	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	7	3	0	0	0	1	1	0	0	3	1	7	23
0300	5	0	0	1-10	8	1	0	0	0	1	0	0	1	1	2	8	22
				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	8	2	0	0	0	1	0	0	1	1	2	10	25
0600	0	0	0	1-10	8	2	1	0	1	2	3	1	2	1	1	2	22
				11-27	2	3	0	0	0	0	0	0	0	0	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	10	5	1	0	1	2	3	1	2	1	3	3	30
0900	0	0	0	1-10	3	6	0	0	0	2	1	1	2	1	0	3	19
				11-27	2	2	1	0	0	1	1	1	0	0	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	5	8	1	0	0	3	2	2	2	1	3	3	30
1200	0	0	0	1-10	6	4	0	0	0	3	1	1	0	0	0	4	19
				11-27	2	1	0	0	1	0	0	0	0	2	3	1	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	8	5	0	0	1	3	1	1	0	3	3	5	30
1500	1	0	0	1-10	1	9	0	0	0	2	0	0	0	1	3	2	18
				11-27	5	1	0	0	0	0	0	0	0	2	2	1	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	10	0	0	0	2	0	0	0	3	5	3	29
1800	5	0	0	1-10	9	6	1	0	0	1	0	0	0	0	5	0	22
				11-27	2	2	0	0	0	0	0	0	1	0	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	8	1	0	0	1	0	0	1	0	5	0	27
2100	3	0	0	1-10	5	3	0	1	0	2	0	1	1	1	2	5	21
				11-27	3	2	0	0	0	1	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	5	0	1	0	3	0	1	1	1	2	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) — APRIL 1963

our .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	2	1	0	0	3	4	12	1	1	24
				11-27	0	0	0	1	0	0	0	0	0	0	0	1	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**0**	**3**	**1**	**0**	**0**	**3**	**4**	**12**	**1**	**2**	**26**
0300	2	0	0	1-10	0	1	1	2	2	0	1	1	4	14	2	0	28
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**1**	**1**	**2**	**2**	**0**	**1**	**1**	**4**	**14**	**2**	**0**	**28**
0600	1	0	1	1-10	0	2	0	2	0	0	0	0	4	12	1	3	24
				11-27	1	0	0	0	0	0	0	0	1	1	1	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**1**	**2**	**0**	**2**	**0**	**0**	**0**	**0**	**5**	**13**	**2**	**3**	**28**
0900	2	0	0	1-10	1	1	0	2	0	0	0	0	1	3	2	5	15
				11-27	0	0	0	0	1	2	0	1	1	2	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	**1**	**1**	**0**	**2**	**1**	**2**	**0**	**1**	**2**	**5**	**4**	**9**	**28**
1200	0	0	0	1-10	0	2	0	1	1	1	1	2	0	2	2	5	17
				11-27	0	1	0	0	0	0	0	1	2	4	2	2	12
				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	**0**	**3**	**0**	**1**	**1**	**1**	**2**	**3**	**2**	**6**	**4**	**7**	**30**
1500	1	0	0	1-10	0	1	1	0	1	0	0	1	0	0	7	5	16
				11-27	0	0	0	0	0	0	1	1	2	3	1	4	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	**0**	**1**	**1**	**0**	**1**	**0**	**1**	**2**	**3**	**3**	**8**	**9**	**29**
1800	3	0	0	1-10	0	0	0	0	0	1	0	0	5	8	7	1	22
				11-27	0	0	0	0	0	0	1	0	0	3	0	1	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**5**	**11**	**7**	**2**	**27**
2100	3	0	1	1-10	0	0	0	0	1	1	0	1	7	7	1	2	20
				11-27	0	0	0	1	0	1	1	0	1	1	1	0	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**0**	**1**	**1**	**2**	**1**	**1**	**8**	**8**	**2**	**2**	**26**

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

LUXOR (A) — APRIL 1963

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	3	2	1	0	0	3	1	1	3	0	2	1	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	3	2	1	0	0	3	2	1	3	0	2	1	18
0300	14	0	0	1-10	1	1	2	0	1	1	1	2	2	1	1	2	15
				11-27	0	0	0	0	0	0	0	0	0	1	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	2	0	1	1	1	2	2	2	1	2	16
0600	13	0	0	1-10	1	3	1	0	1	0	1	1	1	3	0	1	13
				11-27	0	0	0	0	0	0	1	0	0	0	0	3	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	3	1	0	1	0	2	1	1	3	0	4	17
0900	0	0	0	1-10	4	6	3	0	1	1	0	1	2	2	1	7	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	4	6	3	0	1	1	0	1	2	2	1	9	30
1200	1	0	0	1-10	1	4	0	0	0	0	1	0	5	0	3	11	25
				11-27	0	0	0	0	0	0	0	1	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	1	4	0	0	0	0	1	1	6	0	3	13	29
1500	0	0	0	1-10	4	2	0	0	0	0	0	1	2	0	2	8	19
				11-27	0	0	0	0	0	0	0	0	1	1	3	6	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	2	0	0	0	0	0	1	3	1	5	14	30
1800	2	0	0	1-10	6	1	1	0	0	1	2	0	0	2	4	7	24
				11-27	0	0	0	0	0	0	1	1	0	0	0	2	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	1	1	0	0	1	3	1	0	2	4	9	28
2100	6	0	0	1-10	7	1	0	0	1	2	1	4	1	1	1	2	21
				11-27	0	0	1	0	1	0	1	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	1	1	0	2	2	2	4	1	1	1	2	24

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

ASWAN (A) — APRIL 1963

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	3	0	0	1-10	7	5	1	0	0	2	0	1	0	1	0	2	19
				11-27	3	0	0	0	0	2	0	0	0	0	0	3	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**10**	**5**	**1**	**0**	**0**	**4**	**0**	**1**	**0**	**1**	**0**	**5**	**27**
0300	1	0	0	1-10	11	4	0	0	1	1	1	1	0	0	1	2	22
				11-27	2	0	0	0	0	1	0	1	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**	**4**	**0**	**0**	**1**	**2**	**1**	**2**	**0**	**0**	**1**	**5**	**29**
0600	5	0	0	1-10	4	9	0	0	0	1	1	1	0	0	0	0	16
				11-27	4	2	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	**8**	**11**	**0**	**0**	**0**	**2**	**1**	**1**	**0**	**0**	**0**	**2**	**25**
0900	0	0	0	1-10	2	5	4	1	0	3	2	0	0	0	0	0	17
				11-27	1	4	1	0	0	3	1	0	0	0	0	2	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	**4**	**9**	**5**	**1**	**0**	**6**	**3**	**0**	**0**	**0**	**0**	**2**	**30**
1200	0	0	0	1-10	5	2	0	2	1	1	2	2	0	0	0	0	15
				11-27	5	1	0	0	0	0	1	1	0	2	0	1	11
				28-47	1	0	0	0	0	0	0	0	0	1	1	1	4
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**11**	**3**	**0**	**2**	**1**	**1**	**3**	**3**	**0**	**3**	**1**	**2**	**30**
1500	0	0	0	1-10	4	0	0	0	0	0	1	1	0	2	2	4	14
				11-27	4	3	0	1	0	0	0	0	0	2	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	**8**	**3**	**0**	**1**	**0**	**0**	**1**	**1**	**0**	**4**	**4**	**8**	**30**
1800	1	0	0	1-10	5	3	0	0	0	0	1	0	1	0	3	4	17
				11-27	6	0	0	0	0	0	0	0	0	1	0	5	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**11**	**3**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**1**	**3**	**9**	**29**
2100	2	0	0	1-10	6	2	2	1	1	0	0	0	0	1	1	3	17
				11-27	6	1	0	0	0	1	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	**12**	**3**	**2**	**1**	**1**	**1**	**0**	**0**	**0**	**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

SIWA — APRIL 1963

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	4	0	0	1-10	2	1	6	5	2	0	0	0	0	2	1	0
				11-27	0	1	1	5	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	2	2	7	10	2	0	0	0	0	2	1	0
0300	11	0	0	1-10	1	2	3	4	1	0	0	0	0	2	2	0
				11-27	0	0	1	2	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	1	2	4	6	1	0	0	0	0	3	2	0
0600	3	0	0	1-10	2	3	1	7	4	0	0	0	1	0	1	1
				11-27	0	0	1	2	1	0	0	0	0	0	2	1
				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	2	9	5	0	0	0	1	0	3	2
0900	1	0	0	1-10	0	2	0	3	1	4	1	2	0	1	2	1
				11-27	1	1	1	4	0	0	1	0	0	2	2	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	3	1	7	1	4	2	2	0	3	4	1
1200	0	0	0	1-10	1	0	0	2	0	2	2	0	4	2	1	2
				11-27	0	1	0	4	0	0	1	3	0	2	1	2
				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	6	0	2	3	3	4	4	2	4
1500	2	0	0	1-10	0	1	1	2	0	1	1	0	2	2	2	3
				11-27	1	2	0	3	0	0	1	0	0	2	2	2
				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	3	1	5	0	1	2	0	2	4	4	5
1800	5	0	0	1-10	1	3	1	2	1	1	1	0	0	3	1	4
				11-27	1	2	2	1	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	2	5	3	3	1	1	1	0	0	4	1	4
2100	6	0	0	1-10	0	5	4	3	0	1	0	0	0	2	1	1
				11-27	0	3	1	3	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	0	8	5	6	0	1	0	0	0	2	1	1

Table A 10 — NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS BAHARIYA — APRIL 1963

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	3	5	2	0	0	1	1	2	0	1	1	0	15
				11-27	1	0	0	0	0	0	0	0	0	0	0	1	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**4**	**5**	**2**	**0**	**0**	**1**	**1**	**2**	**0**	**1**	**1**	**1**	**17**
0300	19	0	0	1-10	2	1	1	0	0	0	0	0	0	2	1	1	8
				11-27	0	1	1	1	0	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**2**	**2**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**1**	**11**
0600	15	0	0	1-10	3	2	1	2	0	1	0	1	0	2	2	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	**3**	**2**	**1**	**3**	**0**	**1**	**0**	**1**	**0**	**2**	**2**	**0**	**15**
0900	7	0	0	1-10	3	3	0	2	1	2	0	2	0	1	1	0	15
				11-27	0	0	0	1	0	0	0	0	2	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	**3**	**3**	**0**	**3**	**1**	**2**	**0**	**2**	**2**	**2**	**2**	**3**	**23**
1200	4	0	0	1-10	2	1	0	0	2	1	1	0	0	2	0	4	13
				11-27	2	0	0	1	0	0	0	2	2	1	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	**4**	**1**	**0**	**1**	**2**	**1**	**1**	**2**	**2**	**3**	**4**	**5**	**26**
1500	4	0	0	1-10	2	2	3	0	0	0	0	0	0	1	0	6	14
				11-27	2	0	0	0	0	0	1	1	1	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	**4**	**2**	**3**	**0**	**0**	**0**	**1**	**1**	**1**	**3**	**4**	**7**	**26**
1800	7	0	0	1-10	6	3	2	0	0	0	1	0	0	0	1	4	17
				11-27	2	1	0	0	0	0	0	0	0	0	0	3	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**8**	**4**	**2**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**1**	**7**	**23**
2100	10	0	0	1-10	4	7	2	1	0	0	0	1	0	1	0	1	17
				11-27	0	2	0	0	0	0	0	0	0	0	0	1	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**4**	**9**	**2**	**1**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**2**	**20**

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS DAKHLA — APRIL 1963

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	1	2	2	4	3	1	0	4	4	6	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	1	0	1	2	2	4	3	1	0	4	4	6	28
0300	7	0	0	1-10	2	1	2	1	2	1	1	1	1	7	3	0	22
				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	1	2	1	2	1	2	1	1	7	3	0	23
0600	2	0	0	1-10	0	2	2	1	5	2	3	2	1	0	5	4	27
				11-27	0	0	0	0	0	0	0	0	0	1	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	2	2	1	5	2	3	2	1	1	5	4	28
0900	0	0	0	1-10	3	1	0	5	2	1	4	1	0	3	3	2	25
				11-27	0	0	0	0	0	0	0	1	0	0	3	1	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	1	0	5	2	1	4	2	0	3	6	3	30
1200	0	0	0	1-10	2	1	0	4	2	2	0	1	0	0	2	5	19
				11-27	3	0	0	0	0	0	0	2	0	2	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	5	1	0	4	2	2	0	3	0	2	4	7	30
1500	1	0	0	1-10	4	1	0	0	1	0	0	2	0	3	2	8	21
				11-27	1	0	0	0	0	0	0	1	0	0	1	5	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	1	0	0	1	0	0	3	0	3	3	13	29
1800	3	0	0	1-10	6	3	1	1	0	0	2	0	0	2	2	6	23
				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	7	3	1	1	0	0	2	0	0	2	2	9	27
2100	5	0	0	1-10	4	1	0	1	2	2	2	0	0	1	5	5	23
				11-27	1	0	0	0	0	0	0	1	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	1	0	1	2	2	2	1	0	1	5	5	25

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

KHARGA — APRIL 1963

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	21	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
0300	24	0	0	1-10	4	0	0	0	0	0	0	0	0	0	0	0	4
				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	6	0	0	0	0	0	0	0	0	0	0	0	6
0600	21	0	0	1-10	5	0	1	0	0	0	0	0	0	0	0	0	6
				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	7	0	1	0	0	0	0	0	0	0	0	1	9
0900	8	0	0	1-10	10	3	1	0	0	0	1	1	0	0	0	2	18
				11-27	3	0	0	0	0	0	0	0	0	0	0	1	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	3	1	0	0	0	1	1	0	0	0	3	22
1200	10	0	0	1-10	7	2	0	0	0	0	2	0	0	0	1	1	13
				11-27	3	0	0	0	0	0	1	1	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	10	2	0	0	0	0	3	1	0	1	1	2	20
1500	12	0	0	1-10	11	0	0	0	0	0	0	0	1	0	2	1	15
				11-27	2	0	0	0	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	13	0	0	0	0	0	1	0	1	0	2	1	18
1800	20	0	0	1-10	8	0	0	0	0	0	0	0	0	0	0	1	9
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	0	0	0	0	0	0	0	0	0	0	1	10
2100	21	0	0	1-10	6	0	0	0	0	0	0	0	0	0	0	1	7
				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	1	0	0	0	0	0	0	0	0	0	1	9

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

TOR — APRIL 1963

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	0	0	0	1	1	1	1	0	1	2	2	10
				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	**1**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**1**	**6**	**6**	**18**
0300	18	0	0	1–10	0	0	0	0	0	0	1	0	0	1	2	2	6
				11–27	0	0	0	0	0	0	0	0	0	1	3	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	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**2**	**5**	**4**	**12**
0600	15	0	0	1–10	1	0	0	0	0	0	0	0	0	2	0	2	5
				11–27	0	0	0	0	0	0	2	0	0	1	5	2	10
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**3**	**5**	**4**	**15**
0900	6	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	2	0	0	0	11	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**	**0**	**2**	**1**	**1**	**5**	**14**	**1**	**24**
1200	1	0	0	1–10	0	0	0	0	0	0	2	2	2	7	5	0	18
				11–27	0	0	0	0	0	1	2	0	0	1	6	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	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**2**	**2**	**8**	**11**	**1**	**29**
1500	2	0	0	1–10	0	0	1	0	0	0	1	2	0	2	6	4	16
				11–27	1	0	0	0	0	1	4	0	0	1	3	2	12
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**1**	**0**	**1**	**0**	**0**	**1**	**5**	**2**	**0**	**3**	**9**	**6**	**28**
1800	4	0	0	1–10	0	0	0	0	0	1	3	3	0	1	3	3	14
				11–27	3	0	0	0	0	1	2	0	0	0	2	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**	**0**	**0**	**0**	**0**	**2**	**5**	**3**	**0**	**1**	**5**	**7**	**26**
2100	11	0	0	1–10	2	0	0	1	0	2	0	1	0	0	0	3	9
				11–27	1	0	0	0	0	0	0	0	0	2	2	5	10
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**3**	**0**	**0**	**1**	**0**	**2**	**0**	**1**	**0**	**2**	**2**	**8**	**19**

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

HURGHADA — APRIL 1963

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	0	1	0	1	0	3	6	3	16
				11-27	0	0	0	0	0	1	0	0	0	1	6	3	11
				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	2	0	2	0	1	0	4	12	9	30
0300	1	0	0	1-10	1	0	0	1	1	1	0	0	0	2	6	3	15
				11-27	0	0	0	0	0	2	0	0	0	0	5	5	12
				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	1	3	0	0	0	2	11	10	29
0600	2	0	0	1-10	0	0	0	0	2	1	0	0	0	0	4	5	12
				11-27	0	0	0	0	0	1	0	0	0	1	3	10	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	1	1
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	2	2	0	0	0	1	7	16	28
0900	0	0	0	1-10	1	2	2	4	0	0	0	0	0	0	0	0	9
				11-27	9	0	0	0	1	2	0	0	0	0	2	6	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	10	2	2	4	1	2	0	0	0	0	2	7	30
1200	0	0	0	1-10	0	1	6	1	5	1	0	0	0	0	0	0	14
				11-27	6	5	0	0	3	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	6	6	6	1	8	1	0	0	0	0	0	2	30
1500	1	0	0	1-10	2	2	2	3	3	5	0	0	0	0	0	0	17
				11-27	2	0	0	0	2	2	0	0	0	0	0	5	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	4	2	2	3	5	7	0	0	0	0	0	6	29
1800	2	0	0	1-10	0	0	0	0	3	2	2	2	1	0	3	3	16
				11-28	0	0	1	0	1	1	0	0	0	0	3	5	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	1	0	4	3	2	2	1	0	6	9	28
2100	2	0	0	1-10	0	0	0	1	0	3	0	0	0	2	4	3	13
				11-27	0	0	0	0	0	0	0	0	0	3	5	6	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	1	0	3	0	0	0	5	9	10	28

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

QUSEIR — APRIL 1963

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	7	0	0	1-10	2	0	0	0	0	0	1	0	0	12	3	2	20
				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	**2**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**13**	**4**	**3**	**23**
0300	8	0	0	1-10	0	0	0	0	0	0	0	0	1	10	4	2	17
				11-27	1	0	0	0	0	0	0	0	0	0	0	4	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**10**	**4**	**6**	**22**
0600	5	0	0	1-10	1	0	0	1	0	1	0	0	0	5	0	4	12
				11-27	5	0	0	0	0	0	0	0	0	1	1	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	**6**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**6**	**1**	**10**	**25**
0900	0	0	0	1-10	3	4	1	4	1	0	0	0	0	0	0	1	14
				11-27	12	0	0	0	0	0	0	0	0	1	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	**15**	**4**	**1**	**4**	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**3**	**30**
1200	0	0	0	1-10	1	7	6	2	0	0	1	0	0	0	0	0	17
				11-27	5	5	1	1	1	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**	**12**	**7**	**3**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**31**
1500	1	0	0	1-10	9	2	2	7	1	0	0	0	0	0	0	1	22
				11-27	3	1	1	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	**12**	**3**	**3**	**7**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**29**
1800	17	0	0	1-10	1	0	0	1	1	4	2	0	0	0	2	0	11
				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**	**1**	**1**	**4**	**2**	**0**	**0**	**0**	**2**	**1**	**13**
2100	15	0	0	1-10	0	0	0	0	0	1	2	0	0	6	2	1	12
				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	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**6**	**3**	**3**	**15**

Table B 1.— UPPER AIR CLIMATOLOGICAL DATA

HELWAN —0000 U.T. — APRIL 1963

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	993mb.	1000mb.	984mb.	28	18.0	25.2	17.1	28	7.6
1000	28	84	140	12	2	15.9	18.5	13.5	2	9.4
850	28	1468	1532	1421	28	15.0	22.5	5.7	19	— 1.8
700	28	3080	3163	3023	28	4.9	9.3	— 2.2	15	— 9.7
600	28	4316	4407	4247	28	— 4.3	— 1.2	— 7.9	14	—14.6
500	27	5724	5818	5647	27	—15.2	—12.8	—19.3	14	—23.2
400	26	7368	7464	7263	26	—27.8	—21.8	—31.7	9	—34.3
300	25	9363	9468	9235	25	—43.7	—39.5	—46.8		—
200	23	11990	12115	11860	23	—56.6	—45.4	—67.0	—	—
150	23	13808	13943	13687	23	—59.2	—54.7	—64.3	—	—
100	21	16321	16432	16179	21	—64.1	—58.9	—68.8	—	—
60	17	19471	19595	19364	17	—61.0	—58.0	—71.2	—	—
40	6	22035	22099	21986	6	—57.2	—55.3	—59.8	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.— UPPER AIR CLIMATOLOGICAL DATA

HELWAN —1200 U.T. — APRIL 1963

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	932mb.	1000mb.	986mb.	28	24.4	34.0	22.3	28	4.0
1000	28	83	140	28	—	—	—	—	—	—
850	28	1476	1538	1426	28	14.8	23.4	6.5	23	— 2.8
700	28	3086	3167	3028	28	4.8	9.6	—2.0	14	—12.5
600	28	4324	4408	4235	28	—4.1	— 0.7	— 9.2	13	—12.7
500	28	5736	5820	5622	28	—14.9	—12.0	—18.6	10	—25.2
400	28	7382	7480	7246	28	—27.2	—24.0	—30.8	6	—35.1
300	26	9391	9504	9219	26	—42.6	—39.0	—46.3	—	—
200	24	12036	12151	11855	24	—55.9	—49.7	—65.3	—	—
150	21	13849	13983	13724	21	—58.1	—51.2	—63.2	—	—
100	16	16365	16483	16248	16	—63.6	—61.0	—69.0	—	—
60	11	19505	19638	19357	11	—60.9	—56.4	—64.7	—	—
40	4	22031	22218	21908	4	—55.7	—53.9	—56.7	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Note : Climatological upper air data for Mersa Matruh are missing since number of days of radiosonde sets at this station are less than the permissible number needed for calculating or processing monthly values.

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) —0000 U.T. — APRIL 1963

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface	19	* 985mb.	* 992mb.	* 978mb.	19	22.5	28.7	16.8	19	1.0
1000	—	—	—	—	—	—	—	—	—	—
850	19	1469	1514	1429	19	18.1	24.2	10.9	8	—1.1
700	19	3093	3135	3046	19	5.8	9.0	3.0	9	— 8.8
600	19	4333	4379	4278	19	— 3.8	— 1.2	— 7.2	5	—15.3
500	19	5746	5799	5693	19	—13.6	—10.4	—15.8	3	—25.2
400	19	7402	7169	7342	19	—26.4	—22.6	—29.2	2	—36 3
300	19	9423	9515	9345	19	—41.2	—37.1	—44.8	—	—
200	19	12080	12184	11948	19	—56.6	—50.7	—61.0	—	—
150	19	13872	13974	13714	19	—64.4	—61.2	—72.1	—	—
100	17	16299	16395	16146	17	—73.5	—69.5	—77.6	—	—
60	12	19332	19486	19204	12	—64.7	—59.6	—73.6	—	—
40	7	21828	22052	21638	7	—59.2	—53.4	—75.3	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — APRIL 1963

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface	21	* 985mb.	* 991mb.	* 976mb.	21	35.7	41.0	28.2	21	3.5
1000	—	—	—	—	—	—	—	—	—	—
850	21	1495	1541	1430	21	21.9	27.4	13.3	6	— 1.3
700	21	3135	3189	3089	21	8.7	11.8	6.3	6	—10.5
600	21	4386	4454	4338	21	— 1.3	2.3	— 3.9	7	—16.8
500	20	5814	5893	5769	20	—11.5	— 8.5	—15.0	5	—24.6
400	20	7496	7577	7429	20	—24.1	—20.4	—26.8	2	—32.1
300	20	9532	9640	9433	20	—38.8	—34.0	—41.8	—	—
200	19	12226	12405	12059	19	—53.6	—47.8	—60.7	—	—
150	19	14037	14280	13854	19	—62.5	—53.8	—68.0	—	—
100	17	16485	16625	16314	17	—68.1	—61.7	—72.8	—	—
60	13	19575	19731	19415	13	—61.1	—50.7	—68.8	—	—
40	2	22165	22173	22156	2	—58.8	—58.7	—58.8	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

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 1963

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)										
Helwan	3690 (28)	649 (28)	— 8.5 (11)	4180	611	—	2590	738	—1.6	10925 (23)	241 (23)	—54.8 (23)	16365	100	—65.0	8900	316	—43.6	7450	396	250	140
Aswan . . . .(A)	3835 (19)	639 (19)	—13.0 (7)	4200	609	—12.7	3500	663	—	14591 (17)	137 (17)	—67.9 (17)	17100	90	—79.6	11900	205	—61.0	12000	205	280	138

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

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 1963

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)										
Helwan	3720 (28)	648 (28)	—11.8 (10)	4170	616	—11.6	2440	754	—20.2	10406 (21)	256 (21)	—51.0 (21)	11640	212	—61.6	8330	322	—40.8	11020	233	310	140
Aswan . . . (A)	3638 (21)	615 (21)	—16.2 (8)	4720	579	—	3570	631	—19.0	13858 (19)	121 (19)	—61·4 (19)	16475	100	—68.0	11640	219	—50.0	12200	213	280	145

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

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 1963

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	9	3	7	6	12	1	20	0	—	0	—	1	10	0	—	0	—	0	—	2	5	3	11	4	28	8
1000	1	5	1	5	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	2	5
850	1	16	1	12	0	—	0	—	0	—	0	—	0	—	2	29	5	23	8	20	5	17	6	21	0	28	21
700	1	14	0	—	0	—	0	—	0	—	0	—	0	—	3	39	3	38	10	37	9	27	2	40	0	28	34
600	0	—	1	21	0	—	0	—	0	—	0	—	0	—	1	60	5	51	14	45	4	35	3	43	0	28	44
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	60	3	63	13	55	5	46	4	39	0	27	52
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	52	12	72	6	54	3	48	0	25	62
300	0	—	0	—	0	—	0	—	0	=	0	—	0	—	0	—	3	62	6	67	4	73	3	52	0	16	65
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	110	4	82	2	88	1	70	0	8	85
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	86	0	—	0	—	0	2	86
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	3	19	2	28	0	—	0	—	0	—	1	17	1	15	4	15	3	13	4	10	7	10	0	28	14
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	0	—	2	16	1	10	0	—	0	—	1	4	2	15	3	22	5	20	7	21	5	17	2	12	0	28	18
700	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	38	9	27	6	30	7	39	3	28	0	28	32
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	21	8	43	7	38	9	57	3	34	0	28	41
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	23	5	56	11	49	8	43	2	56	0	27	48
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	69	8	65	8	52	2	64	0	26	62
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	66	12	62	5	65	1	8	0	20	60
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	94	3	83	0	—	0	7	89
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	82	0	—	0	—	0	3	82
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	12	0	—	0	—	1	8	0	—	0	—	1	12	0	—	0	—	1	10	0	—	2	11	3	19	10
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	3	31	5	18	0	—	0	—	2	4	0	—	1	9	0	—	1	14	1	13	3	12	3	21	0	19	17
700	0	—	3	20	0	—	1	16	0	—	0	—	1	12	0	—	0	—	1	7	9	18	4	18	0	19	17
600	3	17	1	33	0	—	0	—	0	—	0	—	0	—	1	49	2	24	2	26	5	32	4	24	1	19	25
500	1	15	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	57	6	28	9	32	0	—	0	19	34
400	1	24	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	38	5	42	10	39	0	—	0	18	39
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	59	0	—	7	50	10	52	0	—	0	18	52
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	90	1	120	8	65	4	58	0	—	0	14	69
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	71	1	131	0	—	0	6	81
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	64	0	—	0	—	0	2	64
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	9	2	9	0	—	1	10	0	—	1	5	0	—	1	10	0	—	0	—	2	14	2	15	2	21	9
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	—	—	—	—	—	—	—	—
850	3	10	5	11	2	6	1	4	0	—	0	—	2	4	1	10	0	—	0	—	3	16	4	12	0	21	10
700	6	11	2	9	0	—	2	9	0	—	0	—	1	8	0	—	2	22	1	24	5	20	2	24	0	21	16
600	1	16	0	—	1	31	1	5	0	—	0	—	0	—	0	—	3	23	2	22	6	34	7	18	0	21	24
500	2	28	0	—	0	—	0	—	0	—	0	—	1	49	0	—	2	28	4	26	7	31	4	28	0	20	30
400	1	55	0	—	0	—	0	—	0	—	0	—	1	46	0	—	3	38	7	35	5	41	2	40	0	19	39
300	1	28	0	—	0	—	0	—	0	—	0	—	0	—	1	47	0	—	7	55	9	52	0	—	0	18	52
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	91	0	—	8	95	5	74	0	—	0	14	87
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	132	0	—	3	103	1	135	0	—	0	5	115
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

REVIEW OF AGRO-METEOROLOGICAL STATIONS

GIZA—APRIL 1963

This month was warm and dry as compared with the normal values of air temperature and total rainfall for Giza during April. The mean air temperature at 2 metres above ground was above normal (+ 1.4°C) ; the mean relative humidity was slightly below normal (—1 %) and the total rainfall was below normal (—0.7 mm.). Four pronounced heat waves occurred with peaks on the 3rd, 16th, 21st and 27th. The second was the most excessive, giving the absolute maximum air temperature, the lowest relative humidity and the highest Piche and water pan evaporation on the 16th.

The extreme maximum soil temperatures in the dry field were higher than the corresponding values of April 1962 ; the maximumdeviation was + 5.1 °C at 1 cm, depth. The extreme minimum soil temperatures at 0.3 and 2cms. depths were higher than the corresponding values of April 1962 by + 1.0 °C & + 0.3 °C respectively. At other depths the values were lower than last year ; the maximum deviation was — 0.7 °C at 1 & 50 cms. depths.

For the month as a whole, the mean wind speed for the day at 2 metres above ground was same as last year. Mean daily Piche evaporation, water pan evaporation, potential evaporation and potential evapotranspiration were + 1.5, + 0.29, — 0.6, + 0.1 mms. respectively than the corresponding values of April 1962. The total duration of bright sunshine was — 9.4 hours less than the corresponding value of last April.

TAHRIR—APRIL 1963

This month was characterized by several heat waves, the most intense having its peak on the 13th giving the extreme maximum, the highest daily mean and the highest day time mean temperatures. It gave also the lowest daily mean relative humidity and vapour pressure.

Comparing this month with last April, the deviations were as follows : + 0.9 °C, + 2%, + 0.5 mm., — 2% and — 0.2 m/sec. concerning mean air temperature, mean relative humidity, mean vapour pressure, percentage of actual to possible sunshine durations, and mean daily wind speed at 2 metres above ground. As for evaporation, mean Piche and pan A values were higher by 0.1 mm. and 0.24 mm. respectively. Total rainfall was 2.4 mms. against traces for last April.

Concerning the extreme soil temperatures between 0.3 cm. and 1 metre depths, the highest values were less this month by 0.6 to3.4 °C from the surface to 10 cms. depth; then more by 0.6 to 0.7 °C to one metre depth. As for the lowest values, the contrary occurred, *i.e.* between the surface and 10 cms. depth, they were higher this month by 0.7 to 2.0 °C ; then lower by 0.3 to 0.6 °C to one metre depth.

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

GIZA — APRIL 1963

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	27.6	10.8	19.9	16.2	24.0	24.0	24.0	24.0	24.0	20.5	12.0	4.5	0.0	0.0	0.0	0.0
2	31.5	9.8	19.8	15.1	25.0	24.0	24.0	24.0	24.0	16.0	15.0	6.5	0.5	0.0	0.0	0.0
3	34.0	11.9	23.5	17.5	30.1	24.0	24.0	24.0	24.0	20.5	16.5	9.5	6.0	0.0	0.0	0.0
4	25.8	15.4	20.1	16.9	23.3	24.0	24.0	24.0	24.0	24.0	12.0	0.5	0.0	0.0	0.0	0.0
5	25.5	13.3	18.3	15.1	21.7	24.0	24.0	24.0	24.0	17.5	8.5	0.0	0.0	0.0	0.0	0.0
6	26.9	15.3	19.7	16.0	23.7	24.0	24.0	24.0	24.0	24.0	9.5	3.0	0.0	0.0	0.0	0.0
7	28.7	15.9	20.9	17.4	24.7	24.0	24.0	24.0	24.0	24.0	9.5	4.5	0.0	0.0	0.0	0.0
8	30.0	14.3	20.9	17.7	24.5	24.0	24.0	24.0	24.0	23.5	12.5	3.5	0.0	0.0	0.0	0.0
9	26.4	13.8	18.4	14.7	22.3	24.0	24.0	24.0	24.0	15.5	8.5	2.5	0.0	0.0	0.0	0.0
10	24.2	11.9	17.0	12.9	21.0	24.0	24.0	24.0	24.0	13.0	6.5	0.0	0.0	0.0	0.0	0.0
11	24.7	9.2	16.9	12.8	21.2	24.0	24.0	24.0	22.5	15.0	8.0	0.0	0.0	0.0	0.0	0.0
12	28.1	8.7	18.5	13.7	23.6	24.0	24.0	24.0	23.5	17.0	10.5	5.0	0.0	0.0	0.0	0.0
13	34.6	12.0	23.0	16.4	30.3	24.0	24.0	24.0	24.0	24.0	17.5	10.5	7.5	0.0	0.0	0.0
14	33.5	14.0	23.4	17.7	29.4	24.0	24.0	24.0	24.0	21.5	15.5	10	5.5	0.0	0.0	0.0
15	31.3	11.8	21.6	17.3	26.2	24.0	24.0	24.0	24.0	19.5	13.0	9.0	2.0	0.0	0.0	0.0
16	36.9	14.1	23.9	16.5	31.1	24.0	24.0	24.0	24.0	24.0	14.0	10.0	6.5	0.5	0.0	0.0
17	27.3	14.0	19.7	15.8	23.5	24.0	24.0	24.0	24.0	17.5	11.0	4.5	0.0	0.0	0.0	0.0
18	29.8	15.5	22.0	17.2	26.8	24.0	24.0	24.0	24.0	24.0	11.0	8.5	0.0	0.0	0.0	0.0
19	33.5	17.8	23.7	18.7	28.8	24.0	24.0	24.0	24.0	24.0	15.0	9.5	0.0	0.0	0.0	0.0
20	30.4	16.4	22.5	18.5	26.5	24.0	24.0	24.0	24.0	24.0	15.0	8.0	0.0	0.0	0.0	0.0
21	35.5	14.0	25.3	19.9	30.9	24.0	24.0	24.0	24.0	24.0	24.0	13.0	8.0	0.0	0.0	0.0
22	29.7	18.3	24.2	19.8	28.1	24.0	24.0	24.5	24.0	24.0	22.0	10.0	0.0	0.0	0.0	0.0
23	26.2	15.7	20.2	15.6	23.6	24.0	24.0	24.5	24.0	24.0	11.0	1.5	0.0	0.0	0.0	0.0
24	27.7	14.3	20.7	16.8	24.5	24.0	24.0	24.0	24.0	24.0	13.5	5.5	0.0	0.0	0.0	0.0
25	31.5	11.2	22.2	17.0	27.4	24.0	24.0	24.0	24.0	24.0	16.0	9.5	1.0	0.0	0.0	0.0
26	34.4	15.2	24.6	18.5	30.3	24.0	24.0	24.0	24.0	24.0	17.5	11.0	7.0	0.0	0.0	0.0
27	35.0	14.7	22.9	16.6	28.7	24.0	24.0	24.0	24.0	24.0	13.0	8.5	4.0	0.0	0.0	0.0
28	26.5	12.0	19.3	15.1	23.2	24.0	24.0	24.0	24.0	24.0	10.5	3.0	0.0	0.0	0.0	0.0
29	26.8	12.1	19.3	15.2	23.2	24.0	24.0	24.0	24.0	24.0	11.0	2.0	0.0	0.0	0.0	0.0
30	26.6	14.1	19.5	15.3	22.9	24.0	24.0	24.0	24.0	24.0	10.5	2.0	0.0	0.0	0.0	0.0
31																
Total	—	—	—	—	—	720.0	720.0	720.0	718.0	648.5	390.0	175.5	48.0	0.5	0.0	0.0
Mean	29.7	13.6	21.1	16.5	25.7	24.0	24.0	24.0	23.9	21.6	13.0	5.8	1.6	0.0	0.0	0.0

Highest maximum at 2 metres 36.9 °C on 16th. Highest minimum at 2 metres 18.3 °C on 22th.

Lowest maximum at 2 metres 24.2 °C on 10th. Lowest minimum at 2 metres 8.7 °C on 12th.

Absolute minimum temperature at 5 cms. Above dry soil 4.8 °C on 12th

" " " " wet soil 5.5 °C on 12th

" " " " grass 3.1 °C on 12th.

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

TAHRIR — APRIL 1963

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	27.6	10.6	18.2	14.6	21.7	24.0	24.0	24.0	24.0	14.5	10.0	2.5	0.0	0.0	0.0	0.0
2	27.8	11.2	18.8	14.5	21.6	24.0	24.0	24.0	24.0	15.5	10.5	5.0	0.0	0.0	0.0	0.0
3	32.3	12.6	21.1	17.2	24.4	24.0	24.0	24.0	24.0	20.0	12.0	7.0	2.0	0.0	0.0	0.0
4	24.1	12.4	18.4	18.8	20.3	24.0	24.0	24.0	24.0	21.0	8.0	0.0	0.0	0.0	0.0	0.0
5	24.0	10.6	16.4	13.4	19.3	24.0	24.0	24.0	24.0	13.5	7.0	0.0	0.0	0.0	0.0	0.0
6	23.6	12.8	17.1	14.1	19.3	24.0	24.0	24.0	24.0	17.0	6.5	0.0	0.0	0.0	0.0	0.0
7	25.8	14.1	18.5	15.7	20.2	24.0	24.0	24.0	24.0	20.0	7.5	0.0	0.0	0.0	0.0	0.0
8	25.4	14.3	19.5	17.6	21.8	24.0	24.0	24.0	24.0	22.5	10.0	0.5	0.0	0.0	0.0	0.0
9	25.6	10.8	17.5	14.8	20.2	24.0	24.0	24.0	24.0	15.0	8.0	0.0	0.0	0.0	0.0	0.0
10	22.5	11.2	16.5	14.5	18.8	24.0	24.0	24.0	24.0	13.5	6.0	0.0	0.0	0.0	0.0	0.0
11	23.0	10.3	16.8	13.2	19.3	24.0	24.0	24.0	24.0	14.5	8.0	0.0	0.0	0.0	0.0	0.0
12	28.7	10.8	19.6	14.4	22.6	24.0	24.0	24.0	24.0	16.5	12.0	7.0	0.0	0.0	0.0	0.0
13	36.4	13.3	24.1	17.2	28.5	24.0	24.0	24.0	24.0	19.5	16.5	12.0	8.0	0.5	0.0	0.0
14	31.2	15.1	22.2	21.0	25.2	24.0	24.0	24.0	24.0	24.0	12.5	8.0	2.0	0.0	0.0	0.0
15	32.6	11.9	20.2	15.9	23.3	24.0	24.0	24.0	24.0	18.0	11.0	7.5	2.0	0.0	0.0	0.0
16	33.4	15.2	21.7	18.2	25.7	24.0	24.0	24.0	24.0	24.0	12.0	7.5	2.5	0.0	0.0	0.0
17	26.6	12.1	18.5	15.6	21.1	24.0	24.0	24.0	24.0	15.5	9.0	2.0	0.0	0.0	0.0	0.0
18	27.8	11.8	19.1	14.9	21.9	24.0	24.0	24.0	24.0	17.0	10.5	4.0	0.0	0.0	0.0	0.0
19	32.8	15.8	22.7	18.2	26.0	24.0	24.0	24.0	24.0	24.0	13.0	8.5	4.0	0.0	0.0	0.0
20	30.7	14.4	20.8	17.6	23.7	24.0	24.0	24.0	24.0	21.5	11.5	7.0	0.0	0.0	0.0	0.0
21	34.2	13.7	23.5	17.3	27.1	24.0	24.0	24.0	24.0	21.0	16.0	10.0	6.0	0.0	0.0	0.0
22	28.2	18.1	22.8	22.5	24.9	24.0	24.0	24.0	24.0	24.0	17.5	7.0	0.0	0.0	0.0	0.0
23	25.0	15.2	19.3	18.0	21.1	24.0	24.0	24.0	24.0	24.0	9.5	0.0	0.0	0.0	0.0	0.0
24	26.8	15.1	19.7	16.7	21.8	24.0	24.0	24.0	24.0	24.0	10.0	2.5	0.0	0.0	0.0	0.0
25	30.2	12.0	20.4	15.9	23.5	24.0	24.0	24.0	24.0	17.0	11.5	8.0	0.0	0.0	0.0	0.0
26	32.7	13.2	21.9	17.4	25.8	24.0	24.0	24.0	24.0	20.5	12.5	8.0	4.5	0.0	0.0	0.0
27	28.4	14.5	20.2	17.3	23.3	24.0	24.0	24.0	24.0	21.5	10.5	6.5	0.0	0.0	0.0	0.0
28	25.6	13.2	18.8	15.8	21.1	24.0	24.0	24.0	24.0	18.0	9.5	0.0	0.0	0.0	0.0	0.0
29	25.5	13.2	18.8	16.1	21.2	24.0	24.0	24.0	24.0	19.0	9.5	0.0	0.0	0.0	0.0	0.0
30	26.2	12.4	18.8	15.6	21.4	24.0	24.0	24.0	24.0	17.5	10.0	0.5	0.0	0.0	0.0	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	720.0	720.0	720.0	720.0	573.5	318.0	121.0	31.0	0.5	0.0	0.0
Mean	28.2	13.1	19.7	16.5	22.5	24.0	24.0	24.0	24.0	19.1	10.6	4.0	1.0	0.0	0.0	0.0

Highest maximum at 2 metres 36.4°C on 13th. Highest minimum at 2 metres 18.1°C on 22nd.

Lowest maximum at 2 metres 22.5°C on 10th. Lowest minimum at 2 metres 10.3°C on 11th.

Absolute minimum temperature at 5 cms. above dry soil 8.0 °C on 7th.

" " " " 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 1963

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	2.0	1.0	8.4	491	8.2	12.4	66	2	5	52	28	8.1	7.4	15.7	7.10	0.0
2	1.8	1.6	2.1	470	8.5	12.5	68	8	10	77	24	9.9	7.3	12.2	5.63	0.0
3	1.9	0.7	3.5	532	10.5	12.5	84	1	4	52	14	8.9	5.5	21.2	10.88	0.0
4	2.9	2.6	3.3	553	10.0	12.6	79	0	5	65	44	10.2	10.1	13.8	9.02	0.0
5	3.2	2.9	3.5	469	7.7	12.6	61	0	0	66	41	9.5	9.0	14.5	5.84	Tr.
6	4.5	3.8	5.4	373	2.9	12.6	23	0	0	62	34	9.3	8.4	17.7	9.32	0.0
7	4.2	4.2	4.3	304	2.8	12.6	22	0	0	66	33	10.2	9.1	15.6	5.80	Tr.
8	3.1	2.7	3.5	357	4.8	12.6	38	0	3	64	48	11.1	12.4	11.1	6.76	0.0
9	2.4	2.0	3.0	529	8.2	12.7	65	9	11	73	32	9.6	7.8	11.7	7.52	0.0
10	2.7	1.8	4.0	520	10.6	12.7	83	0	7	66	34	8.3	7.3	12.9	7.15	0.0
11	2.1	1.2	3.3	625	11.7	12.8	91	0	1	59	37	8.3	8.0	11.3	7.36	0.0
12	1.2	0.8	1.9	574	10.7	12.8	84	6	7	66	29	9.1	7.4	11.1	6.02	0.0
13	0.8	0.2	1.6	550	11.2	12.8	88	0	5	52	20	9.1	7.3	14.9	7.96	0.0
14	1.1	0.3	2.3	592	11.0	12.8	86	0	2	44	23	8.9	8.3	17.1	10.05	0.0
15	1.8	1.7	2.0	559	10.2	12.9	79	8	9	64	23	9.4	7.1	16.3	9.56	0.0
16	2.8	1.3	4.9	577	11.9	12.9	92	0	2	36	22	7.7	8.6	24.0	11.87	0.0
17	2.2	1.9	2.6	596	11.6	12.9	90	5	7	60	35	9.5	8.7	13.1	8.49	0.0
18	3.0	2.2	4.0	491	8.0	13.0	62	0	0	51	23	8.7	7.0	23.5	10.08	0.0
19	3.2	3.0	3.5	485	7.8	13.0	60	1	2	59	25	10.8	9.2	17.7	8.25	0.0
20	2.1	1.8	2.5	558	10.5	13.0	81	4	8	58	31	10.1	9.2	16.1	9.58	0.0
21	1.9	2.0	1.7	497	9.6	13.0	74	3	5	54	19	10.2	8.0	19.1	8.92	Tr.
22	3.1	1.8	5.0	553	10.0	13.1	76	0	0	36	27	7.9	7.7	20.7	11.17	0.0
23	3,1	1.6	5.3	499	9.0	13.1	69	0	0	58	37	9.4	8.5	15.8	7.81	0.0
24	2.7	1.3	4.5	580	12.0	13.1	92	0	0	51	33	8.8	8.7	15.6	10.61	0.0
25	1.7	0.7	3.0	625	12.2	13.2	92	1	5	48	18	8.3	5.9	19.5	11.29	0.0
26	2.7	1.6	4.2	616	12.1	13.2	92	0	0	49	19	9.4	7.4	21.9	11.76	0.0
27	2.8	2.0	4.0	547	10.4	13.2	79	0	5	59	33	11.2	11.5	17.5	10.99	0.0
28	2.7	1.8	3.9	559	11.6	13.2	88	0	6	61	36	9.6	8.8	13.9	8.65	0.0
29	2.2	1.4	3.5	602	11.6	13.2	88	0	6	60	35	9.4	8.1	13.4	10.36	0.0
30	2.1	1.6	2.8	547	9.2	13.3	69	0	8	62	30	8.8	7.2	14.1	7.12	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	15830	286.5	386.3	2221	48	123	—	—	—	—	483.0	262.92	Tr.
Mean	2.5	1.8	3.4	528	9.6	12.9	74	2	4	58	30	9.3	8.2	16.1	8.76	—

Maximum amount of rainfall in one day	Tr.	mms.	on	5th., 7th. & 21st
Lowest value of relative humidity	12	%	on	16th
Highest value of vapour pressure	13.3	mms.	on	21st
Lowest value of vapour pressure	4.8	mms.	on	18th.

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—APRIL 1963

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	2.6	2.1	3.2	572	9.0	12.4	73	5	9	62	31	8.7	7.3	10.8	6.63	0.0
2	2.2	1.9	2.6	554	7.2	12.5	68	8	11	80	35	10.5	8.8	9.9	6.49	0.0
3	2.7	2.1	3.6	584	9.5	12.5	76	6	8	68	20	9.6	6.7	17.7	10.73	0.0
4	5.1	5.5	4.4	654	10.9	12.6	87	2	6	70	44	9.8	9.2	11.9	7.53	0.0
5	3.1	2.4	4.0	610	8.6	12.6	68	2	7	69	39	9.0	8.5	13.4	8.77	0.0
6	4.9	3.7	6.6	477	4.5	12.6	36	0	0	68	49	9.9	10.3	13.8	7.52	0.0
7	4.8	4.2	5.7	364	3.5	12.6	28	2	7	76	53	11.4	10.9	16.4	8.57	0.2
8	5.5	5.2	5.9	492	6.5	12.6	52	1	4	66	47	10.3	10.8	13.9	9.39	0.0
9	3.4	2.6	4.2	698	11.5	12.7	91	8	11	81	35	10.1	8.2	14.4	8.62	0.0
10	4.2	3.0	5.8	657	11.2	12.7	88	0	6	62	38	8.2	7.4	15.6	10.69	0.0
11	4.2	3.5	5.3	699	11.3	12.8	88	0	1	60	43	8.6	8.7	13.9	8.91	0.0
12	2.5	2.4	2.5	689	11.8	12.8	92	0	7	58	23	8.3	6.2	11.9	8.63	0.0
13	2.0	1.5	2.6	645	11.2	12.8	88	1	6	40	15	7.9	5.8	18.4	11.64	0.0
14	2.9	2.1	3.9	677	11.5	12.8	90	0	2	64	30	10.6	9.6	14.7	9.80	0.0
15	1.7	1.7	1.8	661	9.7	12.9	75	7	9	75	19	9.1	5.6	13.9	9.00	0.0
16	3.7	2.6	5.2	688	12.0	12.9	93	0	2	60	29	9.7	9.1	17.5	12.75	0.0
17	3.4	3.0	3.8	721	11.0	12.9	85	0	8	67	36	9.7	8.5	11.2	8.11	0.0
18	3.2	2.3	4.6	537	6.8	13.0	52	4	8	70	34	10.3	8.7	17.2	9.42	0.0
19	4.6	4.3	5.1	655	11.6	13.0	89	1	4	70	21	11.2	7.6	17.5	11.31	0.0
20	3.5	3.5	3.5	666	11.5	13.0	88	7	9	68	34	10.8	9.5	16.4	9.73	0.0
21	3.1	2.7	3.6	574	9.7	13.1	74	2	7	69	25	12.4	9.0	19.7	11.85	2.2
22	4.8	3.5	6.7	584	9.4	13.1	72	0	0	52	29	9.1	8.0	22.9	14.43	0.0
23	5.5	4.1	7.4	580	9.0	13.1	69	0	0	66	43	10.0	8.9	15.8	11.43	0.0
24	4.6	3.6	6.1	636	9.8	13.2	67	0	0	60	33	9.3	8.2	16.4	9.80	0.0
25	2.7	1.8	4.1	723	10.6	13.2	80	3	7	68	24	9.5	7.3	18.1	11.03	0.0
26	3.0	1.8	4.7	709	12.2	13.2	92	0	8	56	21	9.2	7.4	22.0	14.50	0.0
27	3.5	2.3	5.0	652	11.3	13.2	86	0	7	65	36	10.6	9.7	15.2	10.50	0.0
28	4.0	3.1	5.3	692	11.8	13.2	89	0	4	64	36	9.7	8.6	14.6	10.68	0.0
29	3.7	3.1	4.6	722	11.8	13.3	89	0	3	66	40	10.0	9.2	12.7	9.13	0.0
30	3.5	2.7	4.5	678	10.9	13.3	82	0	8	62	31	9.0	7.2	13.8	9.59	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	18850	297.3	386.7	—	59	169	—	—	—	—	461.6	297.18	2.4
Mean	3.6	2.9	4.5	628.3	9.9	12.9	77	2.0	5.6	65	33	9.8	8.4	15.4	9.91	—

Maximum amount of rainfall in one day	2.2	mms.	on	21th
Lowest value of relative humidity	14	%	on	15th
Highest value of vapour pressure	15.8	mms.	on	21th
Lowest value of vapour pressure	4.8	mms.	on	15th

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

GIZA — APRIL 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	59.2	8.3	34.0	9.6	31.5	13.5
1	56.3	8.9	29.6	9.6	27.4	13.1
2	52.2	10.0	29.4	9.7	26.4	13.5
5	38.2	15.5	27.6	12.2	24.8	15.4
10	32.0	19.6	25.6	14.6	23.8	16.5
20	27.7	22.2	23.3	16.8	22.7	17.7
50	26.3	22.6	20.9	18.0	20.8	18.2
100	24.7	22.1	21.3	19.1	20.0	17.9
200	23.4	22.6	20.0	19.0	20.0	19.2
300	23.6	23.5	—	—	—	—

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

TAHRIR — APRIL 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	50.0	10.8	—	—	—	—
1	48.2	11.7	—	—	—	—
2	46.8	11.4	—	—	—	—
5	38.6	14.4	—	—	—	—
10	33.3	16.6	—	—	—	—
20	29.3	19.0	—	—	—	—
50	25.0	21.0	—	—	—	—
100	23.8	20.7	—	—	—	—
200	22.7	20.8	—	—	—	—
300	22.4	21.2	—	—	—	—

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

GIZA — APRIL 1963

10 Knots or more	28 Days	30 Knots or more	1 Days
15 ,, ,, ,,	19 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	5 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	2 ,,	The highest gust 45 knots on 7th	

TAHRIR — APRIL 1963

10 Knots or more	28 Days	30 Knots or more	1 Days
15 ,, ,, ,,	23 ,,	35 ,, ,, ,,	1 ,,
20 ,, ,, ,,	14 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	5 ,,	The highest gust 45 Knots on 3rd	

PRINTED IN U.A.R. BY
THE GENERAL ORGANIZATION
FOR GOVT. PRINTING OFFICES. CAIRO
ALY SULTAN ALY
UNDER-SECRETARY OF STATE
Chairman of the Board of Directors

7823-1969-150

UNITED ARAB REPUBLIC

MONTHLY WEATHER REPORT

VOLUME 6 NUMBER 5

MAY, 1963

U.D.C. 551. 506,1 (62)

METEOROLOGICAL DEPARTMENT
CAIRO

PRINTED IN U.A.R. BY
THE GENERAL ORGANIZATION
FOR GOVT. PRINTING OFFICES. CAIRO
ALY SULTAN ALY
UNDER-SECRETARY OF STATE
Chairman of the Board of Directors

7824-1969-150 ex.

CONTENTS

PAGES

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 5-6

" A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours 7-8

" A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity 9-10

" A 4.—Maximum and Minimum Air Temperatures 11-12

" A 5.—Rainfall and Snow Depth 13-14

" A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 15

" A 7.—Soil Temperatures at Fixed Hours 16-19

" 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 22-24

" A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 25-50

Upper Air Data

Table B 1.—Upper Air Climatological Data 51-53

" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air 54-55

" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces 56-61

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir 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 tables, please refer to Volume 6, Number 1 (January 1963).

GENERAL SUMMARY OF WEATHER CONDITIONS

MAY 1963

Changeable characterized by six variant khamsin waves almost of short duration, associated by dusty weather and partly preceded by light showers and scattered thunderstorms over the northern part of the Republic.

THE MAIN FEATURES

— Six prevalent khamsin heat waves in general, the exessive (> 40°C) of which was only one over the northern parts of the Republic, two over the middle parts and increased to six over the southern parts.

— High relative humidity in the northern parts, oscillatory and mostly moderate in the central parts and low in the southern parts.

— Few days of light showers over the northern parts of the Republic. Local heavy showers at Dabaa on the 14th.

— Seven transits of khamsin disturbances over the Republic from western Desert eastwards. Subnormal barometric pressure in general over the northern parts of the Republic.

— Scattered thundery cells over the eastern parts of the Delta & Canal zone districts on the 9th and over the Western Mediterranean coastal strip to Alexandria on the 14th.

— Fresh/strong winds associating most cold fronts transits over the Republic causing frontal sandstorms or windespread local rising sand.

GENERAL DESCRIPTION OF WEATHER

During this month the prevailing weather was changeable, characterized by six khamsin waves of short durations and peaks round the 3rd, 12th, 17th, 21st, 25th & 30th. The last heat wave was the most excessive of all and during its prevalence maximum temperature attained 41°C at Alexandria, 42°C at Cairo, 43°C at Minya and 47°C at Aswan.

Transits of the khamsin disturbances over the Republic was associated by widespread local rising sand and some sandstorms, particularly roun the 22nd, 24th, 25th, 30th & 31st. The break down of some of these Khamsin disturbances was characterised by light showers in general over the northern parts of the Republic with the exception of Dabaa where precipitation was heavy and amounted to 23 mms.

It is worth to mention that thundery cells developed over the Canal and the Eastern parts of the Delta districts on the 9th and 14th respectively.

The monthly mean values of various meteorological elements for different districts and their deviations from their corresponding normal 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					
	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	1009.9	—3.2	25.5	—0.5	14.8	+0.2	20.2	—0.2	68	— 2	3.3	+1.0
Lower Egypt	1009.8	—3.0	28.9	—0.7	12.6	0.0	22.1	—0.4	50	—11	1.2	—1.3
Cairo Area	1009.4	—3.0	31.9	-0.8	17.2	+0.2	24.6	—0.3	38	— 6	0.0	—1.4
Upper Egypt	1008.8	-1.7	35.5	—1.4	10.0	—0.2	27.2	—0.8	27	— 5	0.1	—0.3
Western Desert	1009.8	-2.5	35.1	—0.9	18.0	—0.9	26.6	—0.9	26	— 6	0.4	+0.1
Red Sea	1008.2	—1.2	30.9	+0.2	21.3	—0.2	26.1	0.0	47	— 7	1.3	+0.6

Note : The above monthly district means for atmospheric pressure and relative humidity are computed from the corresponding means for all stations that take daily 24 hourly observations in each district .

PRESSURE DISTRIBUTION

During this month, the pressure distribution over the surface map was characterized by the following pressure systems.

— The complex monsoon low pressure system over Iraq, Arabia and Sudan.

— The travelling khamsin secondary depressions originating over North Africa (Tunisia) south Atlas mountains and their preferred tracks through Libia and U.A.R.

— Polar anticyclone ridge extending southwards from North Russia through the Black Sea, East Mediterranean towards Libian Desert.

— Atlantic anticyclonic ridge west Spain and France.

In the upper layer up to the 500 mbs levels, the general features of the upper air maps can be summarized in the following.

— An anticyclonic high pressure belt between latitudes 10°N & 30°N stretched over North Africa.

— Scattered and closed upper secondary depressions between latitudes 30°N & 50°N.

— An anticylonic block extending from Scandinavia countries and North Russia southwards towards Balkans and Black Sea areas.

— A deep upper low over North Atlantic.

The barometric pressure over East Mediterranean in general and U.A.R. in particular this month was controled by the transits of seven secondary khamsin disturbances which originated south Atlas mountains over Tunisia and Algiers Great Desert round the 1st, 5th, 9th, 16th, 19th, 23rd & 29th. These desert depressions followed their preferred inland tracks parallel to the North African coast through the Libian Desert, U.A.R. Western Desert and finally traversed the U.A.R. round the 3rd, 7th, 12th, 18th, 22nd, 25th & 30th respectively. Three of these khamsin depressions (the 1st, the 3rd & the 7th) were of large horizontal structure and affected accordingly the whole Republic, another three (the 4th, the 5th, & the 6th) followed a coastal track, while only one depression (the 2nd) followed a far inland track and affected accordingly the middle & southern districts of the Republic.

It is worth to mention that due to the succession of the large number of khamsin disturbances over the Republic, the barometric pressure over its nothern & middle parts was generally subnormal most of the month.

The subtropical jet stream was evident during the whole month in the upper troposphere round 180 mb level oscillating between 18 & 35°N in the mean, while the polar jet stream was evident round 30°N on the 3rd, 7th, 17th & 22nd. The highest wind speeds recorded at Meras Matruh, Helwan and Asawan were 141 & 147 & 130 Knots on the 17th, 18th, 17th at the levels of 227, 173 & 64 mb respectively.

SURFACE WIND

During this month, the prevailing winds were light/moderate N ly & NW ly in general with the exception of the khamsin transits round periods (3rd-4th), (6th-7th), (11th-12th), (17th-18th), (21st-22nd), (24-25th) & (29th-31st) during which moderate/fresh E ly & S E ly winds prevailed far in advance and fresh/strong winds blew just in advance and during the transits of the khamsin travelling depressions over the Republic.

Calms were frequent over the middle & southern inland parts of the Republic during the night and early morning periods.

The surface winds reached gale force at Sallum on the 22nd; Mersa Matruh on the 3rd & 22nd; Dabaa on the 22nd & 31st; Port Said on the 22nd; Ghazza on the 8th; Abu Sueir in the 22ns; Wadi El Natrun on the 25th; Inshas on the 12th; Fayed on the 12th, 22nd & 25th; Kabrit on the 25th; Helwan on the 12th & 22nd; Minya on the

30th ; Asyout on the 25th ; Farafra on the 30th and at Hurghada on the 15th.

TEMPERATURE

During this month maximum temperature was abnormally oscillatory in general and its values ranged between 22°C & 30°C over the northern parts, between 28°C & 34°C over the middle parts and between 33°C & 40°C over the southern parts of the Republic. As an exception during the experienced khamsin haet waves its values showed large departures from the upper limits of these given ranges of about 10°C in the northern parts, 8°C in the middle parts and 5°C in the southern parts.

The absolute maximum temperature for the Republic was 47.5°C at Kharga on the 1st.

Minimum temperature was similarly abnormally oscillatory and its values ranged between 8°C & 18°C and between 11°C & 22°C and between 17°C & 25°C over the northern, the middle and the southern parts of the Republic respectively. As an exception during the experienced khamsin heat waves, its values showed departures of 3°C, 6°C & 4°C above the upper limits of the three given ranges.

The absolute minimum temperature of the Republic was 7.9°C at Mersa Matruh on the 2nd.

PRECIPITATION

This month was characterized by five rainy periods of short durations round the 3rd, (6th & 7th), 9th, (14th & 15th) & 24th. Rainfall was light in general and confined to the Northern parts of the Republic. As an exception it was heavy at Dabaa on the 14th when 23 mms of rain fell. For the month as a whole, rainfall was subnormal in general with the exception of Dabaa where it exceeded its normal by 22.5 mms and few scattered localities in the Mediterranean district where it slightly exceeded its normal values.

The absolute monthly rainfall for the Republic was 30.4 mms at Dabaa, while the maximum rainfall in 24 hours was 23.3 mms at Dabaa on the 14th.

MISCELLANEOUS WEATHER PHENOMENA

Rain fell at : Sallum on the 3rd, 14th & 15th ;Sidi Barrani on the 3rd, 15th & 24th ; Mersa Matruh on the 7th & 14th ; Ras El Hikma on the 3rd, 14th & 16th ; Dabaa on the 3rd, 6th, 14th, 15th & 16th ; Dekheila on the 3rd & 25th ; Ras El Teen on the 3rd, 16th & 25th ; Alexandria on the 4th & 16th ; Rosetta on the 16th ; Balteam on the 4th & 16th ; Damietta on the 25th ; Port Said on the 7th & 9th, El Arish on the 8th & 9th ; Ghazza on the 1st, 7th, 8th & 25th; Tanta on the 25th ; Shebin El Kom on the 24th ; Zagazig on the 9th; Abu Sueir on the 7th, 8th & 9th; Zaher on the 9th; Inshas on the 7th & 9th; Faved on the 8th & 9th; Cairo on the 9th; Minya on the 3rd; Siwa on the 3rd; Kharga on the 4th ; Tor on the 4th & 26th : Hurghada on the 26th and at Quseir on the 4th.

Hail fell at : Dabaa on the 14th.

Mist patches developed at : Sallum on the 11th, 12th & 14th ; Ras El Hikma on the 11th; Dabaa on the 29th ; Alexandria on the 3rd, 11th, 21th & 24th ; El Arish on the 30th ; Mansoura on the 25th, 28th & 31st, Tahrir on the 3rd, 14th, 21st & 29th ; Abu Sueir on the 10th, 11th, 27th & 28th ; Kabrit on the 5th ; Cairo on the 2nd, 8th, 10th, 14th, 19th, 23rd & 28th ; Mostafa Helmi on the 1st, 2nd, 5th, 6th, 8th, 9th, 10th, 14th, 27th, 28th & 29th ; Almaza on the 2nd ; Minya on the 3rd and at Siwa on the 4th.

Fog patches developed at : Mersa Matruh on the 11th : Mansoura on the 16th ; Tahrir on the 2nd and at Quseir on the 8th & 9th.

Local rising sand or dust was reported at : Sallum on the 3rdr 12th, 13th, 17th, 18th, 21st, 22nd, 24th, 30th & 31st ; Sidi Barrani

on the 21st & 24 ; Mersa Matruh on the 3rd, 9th, 12th, 13th, 17th, 18th, 19th, 21st, 22nd, 24th, 25th, 27th, 29th, 30th & 31st; RasEl Hikma on the 21st, 30th & 31st ; Dabaa on the 4th, 12th, 13th, 18th, 19th, 21st, 24th, 25th, 27th & 31st ; Dakheila on the 3rd, 22nd, 25th, 30th & 31st ; Ras El Teen on the 12th, 22nd & 30th ; Alexandria on the 12th, 13th, 22nd, 25th, 30th & 31st ; Rosetta on the 12th, 13th, 21st, 22nd, 25th, 30th & 31st ; Balteem on the 22nd ; Port Said on the 15th, 22nd, 25th & 31st ; El Arich on the 13th, 14th, 22nd, 23rd & 31st Ghazza on the 22nd & 31st : Mansoura on the 10th, 13th, 22nd, 25th, 30th & 31st Damanhour on the 22nd, 25th & 31st ; Tahrir on the 12th, 18th, 22nd, 25th, 30th & 31st ; Shebin El Kom on the 22nd & 25th ; Zagazig on the 15th, 22nd, 25th & 31st ; Abu Sueir on the 12th, 13th, 14th, 15th, 16th, 19th, 22nd, 23rd, 24th, 25th, 26th, 30th & 31st ; Banha on the 22nd, 30th & 31st ; Zaher on the 12th, 13th, 15th, 22nd, 30th & 31st ; Wadi El Natrun on the 12th, 22nd, 25th, 30th & 31st ; Inshas on the 3rd, 4th, 12th, 13th, 21st, 22nd, 24th, 25th, 30th & 31st ; Fayed on the 9th, 12th, 13th, 22nd, 25th, 30th & 31st ; Kabrit on the 13th, 14th, 22nd & 25th ; Cairo on the 12th, 13th, 22nd, 25th, 28th, 30th & 31st ; Mostafa Helmi on the 4th, 5th, 7th, 9th, 12th, 13th, 14th, 15th, 18th, 19th, 21st, 22nd, 23rd, 24th, 25th, 28th, 29th, 30th, & 31st ; Almaza on the 10th, 12th, 13th, 22nd, 25th & 30th ; Abbasiya on the 12th, 13th, 22nd, 25th, 30th & 31st ; Imbaba on the 12th, 13th, 22nd, 25th, 30th & 31st ; Giza on the 12th, 22nd & 25th ; Fayoum on the 22nd ; Beni Suef on the 12th, 22nd & 25th ; Minya on the 7th, 12th, 13th, 22nd, 23rd, 31st, Asyout on the 7th, 12th, 22nd, 25th & 26th ; Luxor on the 4th, 5th, 17th & 26th ; Aswan on the 8th, 14th, 23rd, 25th, 26th & 27th ; Siwa on the 11th, 12th, 16th, 18th, 21st, 22nd, 24th, 25th, 30th & 31 st ; Bahariya on the 7th, 12th, 22nd & 30th ; Farafra on the 4th, 7th, 12th, 13th, 19th, 22nd, 24th, 25th, 30th & 31st ; Dakhla on the 4th, 7th, 12th, 22nd, 24th, 25th, 30th & 31st, Kharga on the 7th, 12th, 13th, 14th, 22nd & 23rd ; Abu Redes on the 14th, 25th & 31st ; Tor on the 23rd, 25th, 26th & 31st; Hurghada on the 23rd & 25th and at Quseir on the 2nd, 5th, 8th, 9th, 15th, 17th, 18th, 20th, 22nd, 23rd, 24th, 26th, 27th & 31st.

Sand or duststorms blew over : Sallum on the 22nd ; Sidi Barrani on the 3rd & 21st ; Mersa Matruh on the 3rd, 12th, 17th, 18th, 21st, 22nd, 24th, 30th & 31st ; Ras El Hikma on the 22nd & 30th ; Dabaa on the 3rd, 22nd, 30th & 31st ; Dekheila and Ras El Teen on the 22nd ; Alexandria on the 12th, 21st & 30th ; Rosetta and Damietta on the 22nd ; Port Said on the 22nd & 25th ; Ghazza and Damanhour on the 22nd ; Tahrir on the 12th, 22nd, 25th & 30th ; Zagazig on the 22nd ; Abu Sueir on the 9th, 22nd & 25th ; Zaher on the 22nd ; Wadi El Natrun on the 25th ; Inshas on the 12th, 22nd, 24th & 25th ; Fayed on the 22nd & 25th ; Kabrit on the 25th ; Cairo on the 12th, 22nd & 25th ; Mostafa Helmi on the 22nd, 25th & 30th ; Almaza on the 12th ; Minya on the 30th & 31st; Asyout on the 25th ; Aswan on the 14th ; Aswan on the 3rd; Siwa on the 12th; Farafra on the 25th & 30th; Bahariya on the 12th; Tor on the 31st and over Hurghada on the 15th & 25th.

Cairo July 1971

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 1963

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	Dev. from normal	0600 U.T. Mean	Dev. from normal	1200 U.T. Mean	Dev. from normal	1800 U.T. Mean	Dev. from normal	Altitude of the barometric cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.) 0000 U.T. Mean	Dev. from normal	0600 U.T. Mean	Dev. from normal	1200 U.T. Mean	Dev. from normal	1800 U.T. Mean	Dev. from normal
Mediterranean	Sallum	—	1005.2	—	1003.9	— 2.8	1009.5	2.7	1009.2	— 3.2	—	1009.7	—	1010.4	— 2.7	1010.0	— 2.6	1009.6	— 3.2
	Sidi Barrani	—	1006.4	— 4.2	1007.1	— 1.0	1006.7	1.4	1006.4	— 4.3	—	1009.6	— 4.2	1009.7	— 1.0	1009.3	— 1.4	1009.0	— 4.3
	Mersa Matruh (A)	—	1006.2	— 3.0	1003.8	— 2.9	1006.9	2.6	1006.6	— 2.8	—	1009.9	— 3.0	1010.5	— 2.9	1010.6	— 2.6	1010.3	— 2.8
	Ras El Hikma	—	1004.1	—	1004.8	—	1004.8		1004.4	—	—	1009.5	—	1010.2	—	1010.2	—	1009.8	—
	Dabaa	—	1006.8		1007.4		1007.3		1007.3	—	—	1008.8	—	1009.4	—	1009.3	—	1009.3	—
	Dekheila (A)	—	1009.4	—	1009.8		1009.5		1009.5	—	—	1010.1	—	1010.5	—	1010.2	—	1010.2	—
	Ras El Teen	—	1009.0	—	1009.4		1009.0		1008.9		—	1010.0	—	1010.4	—	1010.0	—	1009.9	—
	Alexandria (A)	—	1009.0	3.4	1009.5	2.6	1009.1	2.7	1009.1	— 2.7	—	1009.8	— 3.4	1010.3	— 2.6	1009.9	— 2.7	1009.9	— 2.7
	Rosetta	—	1009.5		1009.6		1009.4		1009.7	—		1009.9	—	1010.0	—	1009.8	—	1010.1	—
	Balteam	—	1009.9		1010.1		1010.1		1010.1			1010.1	—	1010.3		1010.3	—	1010.3	
	Damietta	—	1009.6	—	1010.2	2.4	1009.7	2.5	1009.8	— 2.4	—	1010.0	—	1010.6	— 2.4	1010.1	— 2.5	1010.2	— 2.4
	Port Said (A)	—	1008.8	— 2.5	1009.5	2.6	1009.0	2.7	1009.1	— 2.6	—	1009.9	— 2.5	1010.2	— 2.6	1009.7	— 2.7	1009.8	— 2.6
	El Arish	—	1007.9	— 3.3	1008.5	3.4	1007.8	3.6	1008.2	— 3.3	—	1009.8	— 3.3	1010.4	— 3.4	1009.7	— 3.6	1010.1	— 3.3
	Ghazza	—	1008.1		1008.2		1008.2		1008.3	—	—	1010.0	—	1010.7	—	1010.0		1010.2	—
Lower Egypt	Mansoura	—	1009.7		1010.4	2.0	1009.2	— 2.2	1009.7	— 2.3	—	1010.1	—	1010.8	— 2.0	1009.6	— 2.2	1010.1	— 2.3
	Damanhour	—	1009.7	—	1010.1	2.6	1009.2	2.7	1009.8	2.5	—	1010.2	—	1010.8	— 2.6	1009.7	— 2.7	1010.3	— 2.5
	Tanta	—	1007.8		1008.4	3.7	1008.3	3.4	1008.0	3.5	—	1009.0	—	1009.6	— 3.7	1008.5	— 3.4	1009.2	— 3.5
	Tahrir	—	1007.3		1008.0	—	1006.7		1007.4	—	—	1009.5	—	1010.2		1008.8	—	1009.6	—
	Shebin El Kom	—	1007.6		1008.5	3.0	1007.2	3.0	1007.5	— 3.3	—	1009.1	—	1010.0	— 3.0	1008.7	— 3.0	1009.0	— 3.3
	Zagazig	—	1008.6	—	1009.3	— 2.3	1008.0	2.3	1008.7	— 2.5	—	1009.8	—	1010.5	— 2.3	1009.2	— 2.3	1009.9	— 2.5
	Abu Sueir (A)	—	1008.0	—	1008.8		1007.2		1008.3			1009.9	—	1010.7		1009.0	—	1010.2	—
	Banha	—	1007.2		1008.1		1007.0		1007.3	—	—	1009.0	—	1009.9	—	1008.7	—	1009.1	—
	Zaher (A)	—	1005.1	—	1005.9		1004.7		1004.9	—	—	1008.7	—	1009.5	—	1008.2	—	1008.4	—
	Wadi El Natrun	—	1010.3		1010.9	— 2.8	1009.4	2.5	1010.2	— 2.7	—	1010.4	—	1011.0	— 2.8	1009.5	— 2.5	1010.3	— 2.7
	Inshas (A)	—	1005.4	—	1006.1		1004.7		1005.3	—	—	1008.4	—	1009.1		1007.6	—	1008.2	—
	Fayed (A)	—	1007.8	—	1008.5		1006.9		1007.9	—	—	1010.3	—	1011.0	—	1009.3	—	1010.4	—
	Kabrit (A)		1008.6	—	1009.3		1007.8		1008.2	—	—	1009.9	—	1010.6	—	1009.0	—	1009.5	—
Cairo Area	Cairo (A)	—	1001.7	— 3.0	1002.7	2.5	1001.3	2.7	1001.9	— 2.7	—	1009.3	3.0	1010.2	— 2.6	1008.7	— 2.6	1009.3	— 2.7
	Mostafa Helmi (A)	—	999.0		991.0		999.0		989.9		—	1009.1	—	1009.9	—	1008.4	—	1008.7	
	Almaza (A)	—	1000.0	— 2.7	1000.8	— 2.6	999.4	2.8	999.8	— 2.9	—	1009.2	— 2.7	1009.9	— 2.6	1008.3	— 2.7	1009.0	2.7
	Abbasiya (H.Q.)	—	1006.6	—	1007.5		1006.0		1006.4	—	—	1010.2	—	1011.1	—	1009.5	—	1010.0	—
	Imbaba (A)	—	1007.3	—	1008.3	—	1006.8	—	1007.0	—	—	1009.4	—	1010.4	—	1008.9	—	1009.1	
	Giza	—	1006.8	—	1007.6	— 3.4	1006.4	3.1	1006.5	— 3.8	—	1009.7	—	1010.4	— 3.4	1009.0	— 3.2	1009.3	— 3.8
	Helwan	—	993.0	—	993.9	— 1.9	992.8	2.0	992.9	2.1	—	1009.7	—	1010.5	— 1.9	1008.8	— 2.0	1009.3	— 2.1

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

MAY 1963

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (*corrected to Hp.*) 0000 U.T. Mean	Dev. from normal	0600 U.T. Mean	Dev. from normal	1200 U.T. Mean	Dev. from normal	1800 U.T. Mean	Dev. from normal	Altitude of the barometric cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.) 0000 U.T. Mean	Dev. from normal	0600 U.T. Mean	Dev. from normal	1200 U.T. Mean	Dev. from normal	1800 U.T. Mean	Dev. from normal
Upper Egypt	Fayoum		1005.8		1007.2	-3	1006.4	-1.0	1006.1	1.0	—	1008.7	—	1010.8	0.9	1009.3	1.5	1009.4	-1.0
	Beni Suef	—	1005.5		1006.7	2.5	1005.3	2.2	1005.2	2.4		1009.0	—	1010.1	2.5	1008.6	2.2	1008.6	—2.4
	Minya	A	1003.8	-2.3	1005.1	2.2	1003.9	-1.8	1003.6	1.8		1008	2.2	1009.8	-2.2	1008.0	-2.1	1008.2	—1.9
	Asyout (Mangabad)	A	1009.9	-1.8	1002.5	1.1	1000.6	-0.8	1000.6	1.3		1009.0	-1.7	1010.6	1.0	1008.4	0.8	1008.6	—1.2
	Nag Hammadi		1000.5		1002.5	0.5	1000.2	0.8	1000.7	0.3		1008.7	—	1010.4	0.6	1007.9	0.8	1008.5	—0.3
	Kena	—	1009.0		1011.8	0.1	1000.2	+0.6	999.7	0.2		1008.6	—	1010.1	—0.2	1008.4	0.7	1008.0	+0.1
	Luxor	A	997.7	-1.3	999.4	2	997.2	-1.1	997.	1.5		1007.8	1.3	1009.4	1.2	1007.0	1.0	1007.1	—1.4
	Kom Ombo	—	995.7	—	997.5		995.1	—	995.	—		1008.6	—	1009.2		1006.5	—	1006.8	—
	Aswan	A	984.9		986.5	0.9	984.4	0.9	984.4	0.9	—	1007.7		1009.2	-0.7	1006.3	-0.8	1006.7	-0.7
Western Desert	Siwa	—	1010.9	3.7	1012.3	3.5	1010.9	-3.3	1010.0	3.3	—	1009.2	-1.7	1010.6	-3.5	1009.2	3.4	1008.4	—3.3
	Bahariya	—	994.3		995.4	-2.9	994.1	-2.3	994.1	—2.3		1009.5		1010.5	—2.9	1008.7	-2.3	1008.9	—2.6
	Farafra	—	998.9		1001.1	-1.6	999.5	-1.7	999.2	-1.9		1009.8	—	1011.9	-1.5	1009.9	-1.7	1009.6	—2.1
	Dakhla	—	994.1		995.7	2.1	993.9	-1.9	993.	—2.4		1007.0	—	1008.0	-2.5	1006.2	—1.9	1006.0	—2.4
	Kharga	—	1000.3		1002.0	-1.4	1000.1	1.8	1000.0	-1.6	—	1008.6		1010.2	-1.3	1007.9	—1.9	1008.1	—1.5
Red Sea	Suez	—	1009.1	—	1009.5	-1.9	1008.4	—2.2	1008.5	-2.2		1010.3		1010.7	—1.9	1009.6	—2.2	1009.7	—2.2
	Abu Redes	—	1007.7	—	1009.4	—	1007.8	—	1007.8	—	—	1008.1	—	1009.7	—	1008.2	—	1008.2	—
	Tor	—	1007.4	—	1008.8	-1.4	1007.5	1.6	1007.2	-1.5	—	1007.8	—	1009.2	—1.4	1007.9	—1.6	1007.6	—1.5
	Hurghada	—	1007.7	-0.9	1009.3	—0.6	1007.8	-0.8	1007.6	0.5	—	1007.9	-0.9	1009.5	—0.6	1008.0	-0.8	1007.8	—0.5
	Quseir	—	1009.7	—	1008.0	-1.0	1007.2	—1.4	1007.1	-0.9	—	1007.7	—	1009.2	0.8	1008.3	—1.3	1008.1	—0.9
	Abul Kizan	—	—		1008.9	—	1008.2	—	1007.8	—	—	—	—	1009.4	—	1008.8	—	1008.3	—

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

MAY 1963

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	Sllumа	18.4	—	19.1	−2.4	23.6	−0.9	20.5	−0.1	15.8		16.2	−0.8	17.7	−0.6	15.8	0.4	75	—	73	+11	53	+1	67	−3
	Sidi Barrni	17.1	−0.0	19.4	−1.1	22.2	−0.6	19.0	−0.7	15.4	+0.8	16.3	−0.1	17.7	0.1	16.8	+0.1	83	+8	71	+8	63	+4	79	+7
	Mersa Matruh (A)	16.4	+0.1	19.8	−1.3	22.6	−1.2	19.2	0.6	14.4	+0.1	16.5	−0.5	17.5	−0.7	16.6	−0.7	79	0	70	+5	58	+2	75	−2
	Ras El Hikma	17.8	—	19.7	—	21.0		18.7	—	16.0		17.0	—	17.6	—	16.9	—	82	—	75	—	70	—	83	—
	Dabaa	15.6	—	19.7	−1.5	23.0	1.0	19.2	0.9	13.1	—	16.0	−1.4	17.1	−0.6	16.2	1.3	77	—	66	1	53	+2	72	−4
	Dekheila (A)	18.0	—	20.6	—	24.5		20.3	—	15.2	—	16.2	—	18.0		16.7		73	—	61	—	50	—	67	—
	Ras El Ten	19.1	—	20.7	—	22.4		20.4	—	16.7	—	17.2	—	18.4		17.6		77		69	—	66	—	74	—
	Alexandria (A)	17.9	−0.2	21.7	−0.3	25.6	+0.4	20.1	−0.2	16.2	−0.4	17.6	−0.7	19.0	0.1	17.[illegible]	[illegible]	83	−2	6[illegible]	−3	50	−4	76	−1
	Rosetta	18.3	—	21.7	—	25.2		20.1	—	16.0	—	17.5		18.8		17.1		78	—	64	—	52	—	73	—
	Balteam	20.1	—	22.3	—	25.2	—	21.6		16.1	—	17.3	—	18.6	—	17.2	—	64	—	58	—	51	—	62	—
	Damietta	18.2	—	21.8	−1.1	26.6	+1.9	20.3	0.7	16.8	—	18.7	−0.5	20.3	+0.8	17.9	+0.2	86	—	73	+4	54	+5	78	−1
	Port Said (A)	19.9	−0.6	21.7	−0.7	23.9	0.3	21.1	0.5	17.2	−0.8	17.9	+1.0	19.3	0.5	17.9	0.1	75	−2	67	−3	63	−2	72	−4
	El Arish	18.4	+0.9	23.0	−0.6	26.0	+1.3	21.3	0.0	15.7	+0.1	17.8	+0.9	19.4	0.5	18.0	0.3	74	−7	58	−3	51	−11	71	−3
	Ghazza	18.8	—	22.1	—	23.4	—	21.4	—	15.5	—	17.2		18.9		17.7	—	69	—	59	—	63	—	68	—
LOWER EGYPT	El Sirw	17.8	—	22.1	−1.0	26.1	0.3	20.7	−0.7	—	—	17.9	−1.3	19.2	−1.4	17.8	0.4	—	—	64	−4	49	−8	74	−1
	Sakha	16.5	—	21.4	−1.6	29.9	−0.5	21.4	+0.4	—	—	18.1	−1.0	20.3	−1.3	17.4	0.6	—	—	71	+4	37	−6	65	−9
	Mansoura	16.0	—	22.1	−0.8	29.8	−0.4	21.1	−0.7	14.0	—	17.4	+0.1	18.5	0.9	16.6	0.8	79	—	61	−2	29	−3	62	−1
	Damanhour	16.6	—	20.6	−2.4	28.1	0.4	20.3	−0.7	14.7		16.8	1.6	18.8	−0.8	16.4	−1.1	80	—	66	+4	37	−3	65	−4
	Tanta	16.9	—	21.6	−1.1	30.4	−0.6	21.7	−0.6	14.5		17.0	−1.2	19.2	−0.9	16.6	0.9	76	—	61	−2	30	−2	57	−3
	Tahrir	17.7	—	21.9	—	30.3	—	22.6	—	14.8		16.6	—	17.5	—	16.8	—	74	—	59	—	27	—	56	—
	Shebin El Kom	17.1	—	21.1	−0.8	30.1	0.9	22.5	−1.0	14.1	—	16.4	−1.1	18.7	−1.3	16.8	−1.1	70	—	60	−3	29	−3	53	−2
	Zagazig	17.5	—	21.8	−1.7	30.1	−1.0	22.0	−0.6	14.3	—	16.8	−2.2	18.6	−1.6	16.3	−1.4	68	—	58	−5	28	−5	52	−8
	Abu Sueir (A)	19.0	—	22.6	—	30.4	—	23.5	—	15.4	—	16.8		17.9		16.9		66	—	53	—	23	—	48	—
	Banha	17.9	—	20.7	—	30.6	—	22.6	—	14.7	—	16.1	—	19.2		16.5		68	—	60	—	35	—	50	—
	Zaher (A)	18.8	—	22.3	—	30.6	—	23.9		15.4		16.6	—	18.8		17.1		68	—	53	—	27	—	47	
	Wadi El Natrun	18.5	—	22.0	−0.5	31.1	−0.6	23.9	−0.9	14.1	—	16.3	−1.3	17.4	1.8	16.0	−1.4	59	—	52	−8	19	−7	39	6
	Inshas (A)	18.7	—	22.4	—	30.7	—	23.7	—	14.7	—	16.2	—	18.2	—	16.8	—	62	—	50	—	24	—	46	—
	Fayed (A)	19.6	—	23.1	—	31.3	—	24.1	—	15.3	—	17.2	—	18.1	—	17.2	—	61	—	53	—	22	—	47	—
	Kabrit (A)	20.1	—	23.5	—	30.9	—	24.7	—	16.6	—	18.2	—	19.7	—	18.4	—	68	—	57	—	31	—	52	—

Table A2 (*contd*). MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES AND THE RELATIVE HUMIDITY AT FIXED HOURS

MAY 1963

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
CAIRO AREA	Cairo . . . . . (A)	20.1	−0.1	22.7	−0.1	30.1	−1.4	25.5	−0.3	15.3	−0.8	16.5	−1.0	17.6	−1.5	16.7	−1.4	57	−8	50	−6	23	−3	37	−7
	Mostafa Helmi . . (A)	18.2	—	21.5	—	29.6	—	24.0	—	14.3	—	15.5	—	16.5	—	15.6	—	63	—	50	—	19	—	35	—
	Almaza . . . . . (A)	20.7	−0.1	23.0	+0.3	31.3	−0.1	25.5	−0.5	14.7	−1.2	16.9	−1.2	18.0	−0.8	16.3	−1.1	53	−9	44	−11	21	−4	34	−5
	Abbasiya. . . (H.Q.)	20.2	—	23.8	—	31.	—	25.6	—	15.8	—	17.4	—	18.4	—	17.2	—	61	—	50	—	23	—	40	—
	Imbaba . . . . . (A)	18.7	—	22.6	—	31.0	—	24.8	—	14.7	—	17.1	—	18.6	—	16.8	—	62	—	55	—	25	—	40	—
	Giza	19.1	—	22.3	−0.2	30.6	−1.3	25.3	+0.2	15.2	—	16.6	−1.2	17.3	−1.6	16.4	−1.2	66	—	56	−5	25	−1	39	−5
	Helwan	19.8	—	23.1	+0.1	30.3	−1.3	25.4	−1.0	14.7	—	16.0	−0.6	17.2	−0.5	16.0	−0.6	54	—	44	−5	21	+2	32	0
UPPER EGYPT	Fayoum	20.3	—	23.3	−0.5	31.7	−0.9	26.2	−0.1	15.0	—	17.0	−0.2	18.0	−0.8	16.7	−0.6	54	—	50	+1	20	−1	34	−3
	Beni Suef	20.6	—	23.2	−1.6	32.3	−1.6	25.5	−1.9	14.8	—	16.5	−1.1	18.6	−0.7	17.0	−1.1	50	—	47	+1	21	+1	39	+3
	Minya . . . . . (A)	20.1	+0.4	23.6	+0.9	33.1	−1.3	26.6	+0.6	14.2	−0.2	16.6	+0.4	18.0	−1.2	16.3	−0.7	48	−5	45	−3	16	−2	29	−7
	Maliawi	19.0	—	23.7	—	33.7	—	25.0	—	—	—	18.5	—	21.6	—	17.7	—	—	—	59	—	30	—	45	—
	Asyout (Mangabad) (A)	22.7	+0.1	24.8	+0.2	34.1	−1.4	28.6	+0.4	13.8	+0.2	15.6	−0.3	17.6	+0.6	16.2	+0.4	31	−2	32	−3	12	0	21	−1
	Shandaweel	21.4	—	25.5	−1.6	34.4	−1.1	26.8	−0.2	—	—	17.6	−1.0	19.8	−1.1	18.3	−0.2	—	—	43	+2	20	−2	40	0
	Nag Hammadi . . .	22.6	—	24.4	−2.4	35.0	−0.6	28.0	−0.1	—	—	18.2	−0.4	21.0	+0.3	18.5	−0.1	—	—	52	+10	24	+3	36	0
	Kena	24.5	—	27.2	−1.0	35.4	−2.6	30.1	−0.9	—	—	17.1	−0.8	20.0	−1.0	17.7	−0.6	—	—	32	0	19	+3	24	0
	Luxor . . . . . (A)	23.2	−1.5	28.1	−1.9	36.7	−0.5	29.4	−2.0	15.1	+0.1	18.2	+0.4	20.5	−0.1	18.2	0.0	37	+8	34	+5	17	0	28	+3
	Kom Ombo	23.8	—	28.5	—	37.9	—	30.4	—	14.1	—	16.7	—	19.4	—	17.0	—	28	—	24	—	11	—	19	—
	Aswan . . . . . (A)	25.7	—	28.8	−0.2	37.4	−1.4	32.2	−1.5	13.8	—	15.3	−2.1	17.9	−3.3	15.8	−2.7	19	—	16	−10	7	−8	9	−8
WESTERN DESERT	Siwa	21.0	+0.6	21.7	−0.3	31.4	−1.3	27.5	−0.9	14.3	+0.7	15.3	−0.1	17.4	−0.8	16.3	−0.8	43	+1	47	+1	18	0	26	−1
	Bahariya	21.0	—	23.2	−0.5	32.6	−0.4	27.7	+0.5	14.1	—	15.6	−1.5	17.8	−2.4	16.3	−1.8	42	—	40	−9	16	−10	25	−11
	Farafra	21.1	—	23.3	−0.9	33.0	−0.8	27.3	−0.1	13.1	—	14.8	−1.5	18.2	−0.9	15.7	−0.7	34	—	34	−6	17	−2	23	−4
	Dakhla	22.4	—	26.1	−1.2	35.5	−0.6	28.5	−2.8	12.5	—	15.1	−1.6	17.9	−1.9	15.8	−1.4	24	—	25	−4	10	−6	19	+1
	Kharga	22.0	—	26.9	−0.7	36.8	+0.1	28.8	−1.6	14.2	—	17.1	−1.5	20.8	−1.9	17.3	−1.6	37	—	33	−5	18	−8	26	−3
RED SEA	Suez	21.2	—	23.5	+0.2	30.0	−0.8	25.5	−0.4	—	—	19.3	+0.9	20.6	+0.6	19.9	+1.5	—	—	65	+5	39	+6	57	+7
	Abu Redes	23.4	—	25.9	—	29.6	—	25.8	—	18.6	—	20.4	—	22.4	—	21.1	—	61	—	59	—	51	—	64	—
	Tor	22.9	—	25.4	+0.5	28.9	−0.1	26.7	−0.3	16.8	—	19.2	−1.6	20.1	−2.4	19.3	−2.0	51	—	53	−15	41	−14	47	−11
	Hurghada	21.8	−0.9	26.3	+0.6	29.2	+1.2	25.8	−1.0	15.4	−0.8	18.9	−0.5	20.5	−1.4	19.5	−0.7	47	−1	46	−7	42	−15	53	+1
	Quseir	25.2	—	28.5	+0.9	29.9	+1.0	27.2	+0.4	17.3	—	19.5	−0.5	22.2	−0.7	20.4	+0.2	41	—	39	−7	48	−10	51	−4
	Abul Kizan	—	—	27.1	−0.8	27.7	−1.0	26.2	−0.7	—	—	23.0	−1.5	22.9	−1.1	22.9	−1.4	—	—	69	−5	65	−6	74	−6

Table A3. — MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

MAY 1963

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	1009.4	-4.0	1010.0	—3.9	24.7	—1.7	17.3	+0.9	21.0	a	20.4	—0.3	a	16.5	—0.4	a	65	— 1
	Sidi Barrani	a	1006.6	—2.9	1009.2	—2.9	23.3	—1.0	15.9	+0.4	19.6	a	19.4	—0.4	a	16.4	—0.3	a	72	+ 1
	Mersa Matruh (A)	a	1006.6	—2.9	1010.3	—2.9	24.3	—1.0	14.8	—0.2	19.5	a	19.4	—0.9	a	16.1	—0.8	a	69	0
	Ras El Hikma	a	1004.4	—	1009.8	—	22.2	—	16.6	—	19.4	a	19.3	—	a	16.8	—	a	76	—
	Dabaa	a	1007.2	—	1009.2	—	24.1	—1.1	14.5	—0.5	19.3	a	19.1	—1.0	a	15.4	—1.6	a	65	— 7
	Dekheila (A)	a	1009.5	—	1010.2	—	25.9	—	16.9	—	21.4	a	20.8	—	a	16.5	—	a	62	—
	Ras El Teen	a	1009.1	—	1010.1	—	24.0	—	18.3	—	21.2	a	20.6	—	a	17.4	—	a	71	—
	Alexandria (A)	a	1009.2	—3.6	1010.0	—3.6	27.4	+1.0	16.1	—0.5	21.8	a	21.3	—0.1	a	17.5	—0.3	a	67	— 1
	Rosetta	a	1009.5	—	1009.9	—	26.8	—	16.2	—	21.5	a	21.2	—	a	17.2	—	a	65	—
	Balteam	a	1010.0	—	1010.2		25.7	—	18.1	—	21.9	a	22.3	—	a	17.3	—	a	58	—
	Damietta	a	1009.8	—2.7	1010.2	—2.7	27.5	+0.6	17.0	—0.2	22.2	a	21.5	+0.1	a	18.2	—0.2	a	71	— 3
	Port Said (A)	a	1009.1	—3.1	1009.8	—3.1	26.4	—0.2	18.8	—0.8	22.1	a	21.6	—0.6	a	18.1	—0.7	a	70	— 1
	El Arish	a	1008.1	—3.5	1010.0	—3.5	27.6	+1.8	16.6	+0.5	22.1	a	21.9	+0.4	a	17.6	—0.2	a	64	— 4
	Ghazza	a	1008.4	—	1010.3		25.5	—	16.9	+1.9	21.2	a	21.2	—	a	17.3	—	a	66	—
Lower Egypt	El Sirw	—	—	—	—	—	27.2	—0.4	16.3	+0.2	21.8	c	21.6	—0.2	c	18.0	—0.6	e	69	— 3
	Sakha	—	—	—	—	—	30.6	—0.7	14.7	+0.5	22.6	c	22.3	—0.1	c	18.5	—0.2	e	68	— 2
	Mansoura	a	1009.7	—2.2	1010.1	—2.2	32.5	+1.2	16.3	+0.3	24.6	a	22.0	—0.7	a	16.4	—1.8	a	53	—10
	Damanhour	a	1009.7	—3.6	1010.2	—3.6	28.8	—1.4	15.3	—0.6	22.0	a	21.3	—0.7	a	16.5	—1.5	a	59	— 7
	Tanta	a	1007.8	—3.8	1009.0	—3.8	31.2	—0.6	15.2	+0.7	23.2	a	22.5	—0.1	a	16.7	—1.3	a	52	—10
	Tahrir	a	1007.3	—	1009.5	—	31.9	—	15.9	—	23.9	a	23.1	—	a	16.4	—	a	50	—
	Shebin El Kom	a	1007.7	—3.2	1009.2	—3.2	31.0	—1.2	15.4	—0.5	23.2	a	22.7	—0.4	a	16.4	—1.5	a	49	— 9
	Zagazig	c	1008.6	—2.4	1009.8	—2.4	31.0	—1.0	15.4	—0.1	23.2	a	22.8	—0.4	a	16.3	—1.3	a	48	—14
	Abu Sueir (A)	a	1008.1	—	1009.9	—	32.1	—	16.9	—	24.5	a	23.9	—	a	16.7	—	a	44	—
	Banha	a	1007.3	—	1009.1	—	31.6	—0.5	16.0	+0.1	23.8	a	23.0	—	a	16.6	—	a	49	—
	Zaher (A)	a	1005.1	—	1008.6	—	31.2	—	16.8	—	24.0	a	23.9	—	a	16.9	—	a	46	—
	Wadi El Natrun	a	1010.2	—2.6	1010.3	—2.6	31.2	—1.7	15.8	—0.6	23.5	a	23.9	—0.1	a	15.7	—2.1	a	37	—15
	Inshas (A)	a	1005.4	—	1008.3	—	31.5	—	16.4	—	24.0	a	23.8	—	a	16.4	—	a	43	—
	Fayed (A)	a	1007.7	—	1010.1	—	32.2	—	17.3	—	24.8	a	24.5	—	a	16.8	—	a	42	—
	Kabrit (A)	a	1008.4		1009.7		31.9	—	18.3	—	25.1	a	24.8		a	18.2	—	a	50	—
Cairo Area	Cairo (A)	a	1001.9	—2.8	1009.4	—2.8	32.0	—0.7	17.8	+0.2	24.9	a	24.7	—1.1	a	16.4	—1.2	a	38	— 6
	Mostafa Helmi (A)	a	990.2	—	1009.1	—	30.5	—	16.2	—	23.4	a	23.5	—	a	15.5	—	a	38	—
	Almaza (A)	a	1000.1	—3.1	1009.1	—3.2	32.1	—0.5	17.8	0.0	24.9	a	24.9	—0.1	a	16.3	—0.8	a	36	— 5
	Abbasiya H.Q.)	a	1006.7	—	1010.2	—	32.6	—	18.2	—	25.4	a	25.1	—	a	17.2	—	a	41	—
	Imbaba (A)	a	1007.4	—	1009.5	—	32.2	—	15.9	—	24.0	a	24.2	—	a	16.7	—	a	43	—
	Giza	a	1006.8	—3.5	1009.6	—3.5	31.8	—0.8	16.2	+1.2	24.0	a	24.3	+0.7	a	16.3	—1.3	a	43	— 9
	Helwan	a	992.2	—2.1	1009.6	—2.3	31.9	—1.0	17.1	—0.8	24.5	a	24.6	—0.1	a	15.9	—0.8	a	35	— 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

MAY 1963

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	Relative humidity %: Mean	Relative humidity %: Dev. from normal
Upper Egypt	Fayoum	a	1006.9	—1.1	1009.8	—1.1	32.8	—0.9	17.9	+0.6	25.4	a	25.4	+0.4	a	16.5	0.6	a	36	— 6
	Beni Suef	a	1005.6	—2.5	1009.0	—2.5	33.1	—0.9	17.0	+1.0	25.0	a	25.5	—0.1	a	16.6	—0.8	a	36	— 5
	Minya (A)	a	1004.1	—2.4	1008.7	—2.6	34.1	—1.3	16.6	—0.1	25.4	a	25.8	—0.1	a	16.2	- 0.8	a	32	— 5
	Mallawi	—	—	—	—	—	34.6	—	16.5	—	25.6	c	25.4	—	c	19.1	—	e	52	—
	Asyout (Mangabad) (A)	a	1001.1	—1.4	1009.1	—1.3	35.2	—1.6	19.8	+0.2	27.5	a	27.7	—0.4	a	15.8	—0.6	a	22	— 2
	Shandaweel	—	—	—	—	—	35.1	—1.4	18.0	—1.2	26.6	c	27.0	—0.1	c	18.8	+0.1	e	42	— 2
	Nag Hammadi	c	1000.9	+0.7	1008.9	—0.7	36.4	—0.6	18.9	+0.2	27.6	c	27.5	+0.2	c	19.6	—1.0	e	44	+ 5
	Kena	c	1000.6	+0.3	1008.8	+0.1	36.7	—2.5	20.5	—0.8	28.6	c	29.3	—0.3	c	18.0	—0.2	e	28	0
	Luxor (A)	a	997.9	—1.0	1007.8	—1.1	37.5	—2.1	19.8	—0.8	28.6	a	29.2	—1.2	a	17.7	—1.1	a	26	0
	Kom Ombo	a	995.8	—	1007.5	—	39.1	—	19.9	—	29.5	a	30.0	—	a	16.6	—	a	19	—
	Aswan (A)	a	985.1	—0.6	1007.5	—0.8	38.6	—1.5	22.7	—1.1	30.6	a	31.0	+0.2	a	15.6	—2.8	a	11	—14
Western Desert	Siwa	a	1011.0	—3.8	1009.3	—3.8	32.8	—1.2	16.6	—0.6	24.7	a	25.4	—0.4	a	15.8	—0.8	a	31	+ 1
	Bahariya	a	994.5	—2.7	1009.4	—2.7	33.4	—0.3	17.9	+0.4	25.6	a	26.1	+0.7	a	15.7	—1.8	a	28	—14
	Farafra	a	999.9	—1.8	1010.3	—2.0	34.2	—1.0	17.8	+0.4	26.0	a	26.2	+0.5	a	15.4	0.0	a	26	— 2
	Dakhla	a	994.3	—2.2	1006.9	—2.3	36.4	—1.0	18.4	—2.3	27.4	a	28.1	—0.4	a	15.2	—2.3	a	18	—10
	Kharga	a	1000.6	—1.7	1008.7	—1.6	38.6	—0.9	19.1	—2.3	28.8	a	28.5	—0.5	a	17.2	—1.4	a	27	— 5
Red Sea	Suez	c	1008.9	—0.5	1010.1	—0.5	32.2	—0.4	17.4	—1.1	24.8	c	25.0	+0.5	c	20.0	+1.2	e	61	+ 6
	Abu Redes	a	1008.0	—	1008.4	—	31.4	—	21.4	—	26.4	a	26.0	—	a	20.5	—	a	59	—
	Tor	a	1007.7	—1.6	1008.1	—1.6	31.7	+0.1	20.3	—0.2	26.0	a	25.9	+0.5	a	18.8	—1.8	a	48	—15
	Hurghada	a	1008.1	—0.8	1008.3	—0.8	30.5	+1.1	19.4	—1.4	24.9	a	25.5	—0.3	a	18.3	—0.3	a	47	0
	Quseir	a	1007.3	—1.2	1008.3	—1.2	31.0	+0.5	24.0	+0.9	27.5	a	27.5	+0.9	a	19.8	—0.2	a	45	— 7
	Abul Kizan	—	—	—	—	—	29.3	—0.3	25.6	+0.6	27.4	—	—	—	—	—	—	—	72	— 5

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 A 4.—MAXIMUM AND MINIMUM AIR TEMPERATURES

MAY 1963

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	Salium	31.4	30	21.0	6	12	3	0	0	0	21.3	30	14.8	2	0	0	0	0
	Sidi Barrani	32.4	30	20.0	5	9	2	0	0	0	21.0	30	11.6	2	0	0	0	0
	Mersa Matruh (A)	38.0	30	21.6	7	8	1	1	0	0	21.0	30	7.9	2	1	0	0	0
	Ras El Hikma	35.1	30	20.3	1,2,17	1	1	1	0	0	20.0	30	13.3	1	0	0	0	0
	Dabaa	39.4	30	20.4	1	10	1	1	0	0	19.8	30	9.5	1	1	0	0	0
	Dekheila (A)	40.4	30	21.8	1	11	3	2	1	0	20.6	30	11.8	1	0	0	0	0
	Ras El Tein	36.0	30	19.5	2	9	2	1	0	0	21.3	30	14.9	16	0	0	0	0
	Alexandria (A)	40.6	30	23.2	1	17	5	2	1	0	20.5	30	11.5	1	0	0	0	0
	Rosetta	37.8	30	23.0	19	15	5	2	0	0	20.0	25,30	12.4	16	0	0	0	0
	Balteam	34.6	25	21.0	1	14	4	0	0	0	21.4	25	14.6	3	0	0	0	0
	Damietta	39.8	25	21.6	1	23	7	1	0	0	21.0	25	11.5	2	0	0	0	0
	Port Said (A)	36.2	25	21.3	1	13	2	1	0	0	21.9	31	15.6	2	0	0	0	0
	El Arish	39.8	22	21.5	1	20	7	3	0	0	22.2	31	11.8	3	0	0	0	0
	Ghazza	38.2	22	20.5	1	9	5	3	0	0	22.8	31	12.5	3	0	0	0	0
Lower Egypt	El Sirw	40.0	25	23.5	1	23	4	1	0	0	20.7	25	11.0	2	0	0	0	0
	Sakha	41.0	30	26.0	1	31	10	4	2	0	19.8	30	10.2	2	0	0	0	0
	Mansoura	40.0	25	25.6	1	31	15	5	0	0	23.4	18	9.4	1	1	0	0	0
	Damanhour	40.4	30	22.9	1	29	8	3	1	0	20.1	30	11.0	3	0	0	0	0
	Tanta	39.7	30	25.4	1	31	16	5	0	0	20.6	31	11.0	3	0	0	0	0
	Tahrir	41.2	30	26.4	1	31	20	6	2	0	21.0	31	11.7	1	0	0	0	0
	Shebin El Kom	39.2	30	25.9	1	31	14	5	0	0	20.6	31	11.3	1	0	0	0	0
	Zagazig	40.2	30	25.6	1	31	16	5	1	0	19.8	25	11.4	1	0	0	0	0
	Abu Sueir (A)	41.5	25,31	27.0	1	31	21	6	2	0	21.6	20	12.2	1	0	0	0	0
	Banha	40.1	30	26.6	1	31	18	6	1	0	20.7	31	12.2	1	0	0	0	0
	Zaher (A)	41.4	25	25.2	1	31	16	6	1	0	22.5	31	11.9	1	0	0	0	0
	Wadi El Natrun	42.6	30	25.8	1	31	20	5	3	0	21.3	30	11.4	1	0	0	0	0
	Inshas (A)	41.2	25	25.4	1	31	17	7	2	0	22.0	31	11.2	1	0	0	0	0
	Fayed (A)	42.3	25	26.7	1	31	22	6	2	0	24.1	31	12.1	1,2	0	0	0	0
	Kabrit (A)	41.0	31	26.2	1	31	21	6	2	0	24.1	25	13.9	1	0	0	0	0
Cairo Area	Cairo (A)	41.7	25	26.3	1	31	20	7	2	0	22.9	31	13.9	1	0	0	0	0
	Mostafa Helmi (A)	41.0	25	24.7	1	30	13	5	1	0	20.7	30	11.8	1	0	0	0	0
	Almaza (A)	41.3	25	26.0	1	31	20	7	2	0	22.8	31	13.4	1	0	0	0	0
	Abbasiya (H. Q)	42.6	25	26.0	1	31	23	5	2	0	24.8	31	14.5	1	0	0	0	0
	Imbaba (A)	41.7	25	26.5	1	31	21	6	2	0	21.2	31	11.3	1	0	0	0	0
	Giza	41.3	25	26.5	1	31	22	6	2	0	20.5	25	11.4	1	0	0	0	0
	Helwan	41.0	30	25.7	1	31	19	6	3	0	22.7	31	11.2	1	0	0	0	0

* More than 3 days.

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

MAY 1963

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	41.3	25	27.2	1	31	22	6	3	0	24.0	31	13.5	2	0	0	0	0
	Beni Suef	41.4	30,31	27.3	1	31	25	6	2	0	25.4	25	12.4	2	0	0	0	0
	Minya (A)	43.0	31	29.0	1	31	29	10	4	0	27.5	31	11.4	3	0	0	0	0
	Mallawi	43.0	31	29.0	1	31	29	11	4	0	29.0	31	10.0	2	0	0	0	0
	Asyout (Mangabad) (A)	45.8	31	30.0	1	31	29	14	4	1	28.7	31	13.6	2	0	0	0	0
	Shandaweel	41.5	31	32.5	1·2	31	31	17	3	0	23.0	31	13.0	3	0	6	0	0
	Nag Hammadi	42.6	31	30.0	1	31	30	18	5	0	24.8	30	13.8	2	0	0	0	0
	Kena	43.0	31	32.1	1	31	31	19	4	0	27.0	26	12.1	3	0	0	0	0
	Luxor (A)	45.2	31	30.5	1	31	31	22	8	1	27.8	26	14.5	2	0	0	0	0
	Kom Ombo	47.2	31	34.0	2	31	31	26	11	3	27.1	8	14.8	11	0	0	0	0
	Aswan (A)	46.6	31	32.5	2	31	31	25	11	2	29.6	26	18.4	21	0	0	0	0
Western Desert	Siwa	42.2	24	28.2	15	31	23	7	2	0	24.8	30	12.7	20	0	0	0	0
	Bahariya	40.4	30	28.3	5	31	27	9	1	0	25.2	25	13.3	2	0	0	0	0
	Farafra	43.9	30	29.8	8	31	28	10	1	0	25.6	31	12.9	6	0	0	0	0
	Dakhla	45.9	30	30.2	5	31	31	17	6	2	26.9	13	13.6	21	0	0	0	0
	Kharga	47.5	31	30.8	14	31	31	21	10	2	25.2	31	14.3	17	0	0	0	0
Red Sea	Suez	42.8	31	27.0	2	31	24	4	1	0	23.6	31	10.6	2	0	0	0	0
	Abu Redes	40.5	25	26.7	20	31	20	5	2	0	26.7	31	15.5	3	0	0	0	0
	Tor	41.0	31	25.4	2	31	21	3	1	0	26.8	31	14.0	3	0	0	0	0
	Hurghada	38.8	25	25.7	2	31	16	1	0	0	25.3	26	14.5	2	0	0	0	0
	Quseir	37.3	26	27.8	1	31	20	2	0	0	27.9	26	20.6	2	0	0	0	0
	Abul Kizan	34.5	26	27.0	1,5	31	6	0	0	0	28.0	26	23.2	2	0	0	0	0

Table A 5.— RAINFALL AND SNOW DEPTH

MAY 1963

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	Salium	.2	+ 0.8	3.5	16	2	3	2	0	0	0	0	0.0	—
	Sidi Barrani	2.2	— 0.2	1.2	3	2	3	1	0	0	0	0	0.0	—
	Mersa Matruh (A)	1.9	— 0.5	1.3	14	2	2	1	0	0	0	0	0.0	—
	Dabaa	30.4	+29.0	23.3	14	0	4	2	2	1	0	0	0.0	—
	Dekheila (A)	0.5	— 2.7	0.4	3	0	2	0	0	0	0	0	0.0	—
	Ras El-Teen	1.2	—	0.8	24	0	3	0	0	0	0	0	0.0	—
	Alexandria (A)	1.0	— 0.3	0.7	3	0	2	0	0	0	0	0	0.0	—
	Damietta	0.5	— 1.4	0.5	24	0	1	0	0	0	0	0	0.0	—
	Port Said (A)	0.7	— 3.6	0.4	9	0	2	0	0	0	0	0	0.0	—
	El Arish	4.6	— 1.5	4.6	7	0	1	1	0	0	0	0	0.0	—
	Ghazza	2.3	+ 0.3	1.4	7	1	3	1	0	0	0	0	0.0	—
	Ras El Hikma	5.3	—	2.7	15	0	3	2	0	0	0	0	0.0	—
	Fuka	0.0	— 4.0	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	— 1.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mex	0.0	— 1.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolombat El Tabia	6.0	+ 5.0	6.0	15	0	1	1	1	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.	1.2	—	1.2	15	0	1	1	0	0	0	0	0.0	—
	Borollos L.H.	4.5	+ 2.5	4.5	16	0	1	1	0	0	0	0	0.0	—
	Damietta L.H.	0.0	— 2.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Balteam	6.0	—	5.0	15	0	2	1	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	0.0	— 2.6	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mansoura	0.0	— 4.3	0.0	—	0	0	0	0	0	0	0	0.0	—
	Damanhour	0.0	— 3.6	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tanta	0.2	— 4.3	0.2	24	0	1	0	0	0	0	0	0.0	—
	Tahrir	0.0	— 1.9	0.0	—	0	0	0	0	0	0	0	0.0	—
	Shebin El Kom	0.4	— 2.0	0.4	23	0	1	0	0	0	0	0	0.0	—
	Zagazig	2.1	+ 0.8	2.1	9	0	1	1	0	0	0	0	0.0	—
	Abu Sueir	9.1	—	7.4	7	2	2	2	1	0	0	0	0.0	—
	Banha (A)	Tr.	— 1.1	Tr.	9	1	0	0	0	0	0	0	0.0	—
	Zaher (A)	5.7	—	5.7	9	2	1	1	1	0	0	0	0.0	—
	Wadi El Natrun	Tr.	— 2.1	Tr.	7·12	2	0	0	0	0	0	0	0.0	—
	Inshas (A)	0.7	—	0.6	9	0	2	0	0	0	0	0	0.0	—
	Fayed (A)	0.7	—	0.6	9	0	2	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	— 1.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolombat El Boseili	5.0	+ 3.0	3.8	15	4	2	2	0	0	0	0	0.0	—
	Kafr El Dawar	0.0	— 1.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Kafr El Sheikh	0.0	— 3.0	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	10.9	+ 8.9	10.9	9	0	1	1	1	1	0	0	0.0	—
Cairo Area	Cairo (A)	0.1	+ 0.1	0.1	9	1	1	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	— 2.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abbassiya (H.Q.)	Tr.	—	Tr.	6	1	0	0	0	0	0	0	0.0	—
	Imbaba (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Giza	Tr.	— 1.9	Tr.	6.12	2	0	0	0	0	0	0	0.0	—
	Helwan	0.0	— 2.9	0.0	—	0	0	0	0	0	0	0	0.0	—

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

MAY 1963

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	0.9	—
	Beni Suef	Tr.	Tr.	Tr.	12	1	0	0	0	0	0	0	0.0	—
	Minya (A)	1.0	— 0.7	1.0	3	0	1	1	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)	Tr.	— 0.8	Tr.	4	1	0	0	0	0	0	0	0.0	—
Western Desert	Siwa	0.2	— 1.5	0.2	3	2	1	0	0	0	0	0	0.0	—
	Bahariya	Tr.	— 0.1	Tr.	3,12,23	3	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	2.0	+ 2.0	2.0	3	0	1	1	0	0	0	0	0.0	—
Red Sea	Suez	0.0	— 1.2	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tor	5.8	+ 5.8	5.6	4	0	2	1	1	0	0	0	0.0	—
	Hurghada	0.1	— 0.3	0.1	26	0	1	0	0	0	0	0	0.0	—
	Quseir	0.8	+ 0.8	0.8	4	2	1	0	0	0	0	0	0.0	—
	Abul Kizan	0.0	— 0.6	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abu Redes	Tr.	—	Tr.	4	1	0	0	0	0	0	0	0.0	—

Table A 6 – BRIGHT SUNSHINE, CLOUDINESS, EVAPORATION, BRIGHT & BLACK BULB TEMPERATURES AND GRASS MINIMUM

MAY 1963

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	—	—	—	1.6	—	5.5	—	3.9	—	2.4	—	6.3	—	—	17.2
	Sidi Barrani	—	—	—	—	—	4.7	—	3.3	—	2.9	—	5.2	—	—	—
	Mersa Matruh (A)	290.8	426.5	68.2	1.7	—	3.5	—	3.2	—	2.9	—	10.4	—	—	—
	Ras El Hikma	—	—	—	—	—	2.3	—	2.5	—	3.4	—	4.4	—	—	15.8
	Dabaa	—	—	—	—	—	3.8	—	3.8	—	3.8	—	8.4	—	—	—
	Dekheila (A)	—	—	—	2.3	—	3.2	—	2.3	—	2.3	—	5.5	—	—	—
	Ras El Teen	—	—	—	2.6	—	3.6	—	3.1	—	3.1	—	5.2	—	—	—
	Alexandria (A)	317.4	425.6	74.6	2.8	—	4.0	—	3.2	—	3.7	—	4.6	—	—	—
	Rosetta	—	—	—	—	—	3.0	—	2.4	—	2.0	—	5.5	—	—	—
	Balteam	—	—	—	—	—	3.4	—	3.4	—	2.6	—	5.3	—	—	—
	Damietta	—	—	—	—	—	3.0	—	2.1	—	1.7	—	4.7	—	—	—
	Port Said (A)	299.2	425.6	70.3	1.4	—	2.6	—	1.5	—	1.3	—	6.4	50	30	18.0
	El Arish	—	—	—	3.2	—	3.4	—	2.8	—	2.9	—	6.1	—	—	15.3
	Ghazza	307.0	426.6	72.0	3.0	—	3.6	—	3.2	—	2.3	—	5.4	—	—	16.0
Lower Egypt	El Sirw	—	—	—	—	—	2.8	—	2.7	—	0.9	—	5.7	—	—	10.6
	Sakha	—	—	—	—	—	2.0	—	3.1	—	1.7	—	5.9	—	—	14.7
	Mansoura	—	—	—	—	—	3.0	—	3.4	—	0.0	—	9.0	—	—	—
	Damanhour	—	—	—	—	—	3.9	—	3.3	—	1.9	—	6.6	—	—	15.0
	Tanta	321.1	424.5	75.6	—	—	2.7	—	3.1	—	1.2	—	7.6	68	44	—
	Tahrir	317.0	424.0	74.8	—	—	2.6	—	2.5	—	1.3	—	11.9	—	—	14.6
	Shebin El Kom	—	—	—	—	—	2.1	—	2.6	—	1.1	—	6.5	—	—	—
	Zagazig	—	—	—	—	—	3.3	—	4.5	—	2.2	—	10.0	—	—	—
	Abu Sueir (A)	—	—	—	2.6	—	3.5	—	5.0	—	2.8	—	12.5	74	37	15.8
	Banha	—	—	—	—	—	2.5	—	3.0	—	1.4	—	8.9	—	—	—
	Zaher (A)	—	—	—	—	—	2.2	—	3.3	—	1.6	—	12.4	—	—	—
	Wadi El Natrun	—	—	—	—	—	2.9	—	3.4	—	1.8	—	12.4	—	—	—
	Inshas (A)	—	—	—	0.7	—	2.2	—	2.7	—	1.7	—	13.4	—	—	—
	Fayed (A)	—	—	—	—	—	1.9	—	2.9	—	1.8	—	15.7	—	—	—
	Kabrit (A)	—	—	—	—	—	2.5	—	2.6	—	1.6	—	15.0	—	—	—
Cairo Area	Cairo (A)	—	—	—	1.6	—	2.9	—	3.1	—	2.5	—	17.2	—	—	—
	Mostafa Helmi (A)	—	—	—	1.5	—	3.7	—	3.4	—	1.9	—	15.6	—	—	—
	Almaza (A)	307.8	423.5	72.7	1.4	—	3.2	—	3.1	—	2.5	—	13.9	—	—	—
	Abbasiya (H.Q.)	315.1	423.5	74.4	0.9	—	2.9	—	3.2	—	2.4	—	9.9	72	47	—
	Imbaba (A)	—	—	—	—	—	2.4	—	3.0	—	0.4	—	10.6	—	—	—
	Giza	321.2	422.9	75.7	0.7	—	2.7	—	2.9	—	1.5	—	12.0	—	—	10.8
	Helwan	—	—	—	1.3	—	1.6	—	2.8	—	1.9	—	22.1	—	—	—
Upper Egypt	Fayoum	—	—	—	—	—	1.7	—	2.1	—	1.5	—	11.2	—	—	14.7
	Beni Suef	—	—	—	—	—	1.6	—	2.2	—	0.8	—	9.8	—	—	14.6
	Minya (A)	—	—	—	1.5	—	1.8	—	2.2	—	2.6	—	11.2	—	37	14.7
	Mallawi	—	—	—	—	—	1.2	—	1.8	—	1.7	—	5.6	—	—	14.7
	Asyout (Mangabad) (A)	—	—	—	1.1	—	1.5	—	2.1	—	2.5	—	18.2	—	49	17.2
	Shandaweel	—	—	—	—	—	1.5	—	1.6	—	1.2	—	9.3	—	—	11.9
	Nag Hammadi	—	—	—	—	—	1.7	—	2.6	—	1.4	—	9.3	—	—	18.4
	Kena	—	—	—	—	—	1.4	—	1.4	—	0.6	—	11.1	—	—	17.8
	Luxor (A)	—	—	—	1.2	—	2.0	—	1.9	—	1.9	—	11.3	68	48	—
	Kom Ombo	—	—	—	—	—	1.0	—	1.7	—	1.8	—	17.5	—	—	15.3
	Aswan (A)	—	—	—	1.2	—	1.6	—	2.2	—	2.4	—	26.8	—	—	—
Western Desert	Siwa	—	—	—	1.9	—	2.1	—	3.2	—	3.4	—	17.5	76	—	15.8
	Bahariya	—	—	—	1.3	—	2.0	—	2.5	—	3.1	—	12.8	56	37	17.4
	Farafra	—	—	—	1.1	—	2.5	—	2.5	—	2.1	—	20.1	57	39	17.2
	Dakhla	—	—	—	1.0	—	1.8	—	1.8	—	1.7	—	15.0	62	43	18.4
	Khaga	—	—	—	1.4	—	1.4	—	2.0	—	2.0	—	15.5	—	—	18.7
Red Sea	Suez	—	—	—	—	—	2.4	—	2.8	—	1.5	—	10.0	—	—	—
	Abu Redes	304.5	421.0	72.3	—	—	1.6	—	2.0	—	1.5	—	8.7	—	—	—
	Tor	—	—	—	1.7	—	1.7	—	1.9	—	1.7	—	10.2	—	—	—
	Hurghada	—	—	—	1.6	—	1.6	—	1.9	—	1.6	—	17.5	—	—	—
	Quseir	—	—	—	1.2	—	1.5	—	2.1	—	1.6	—	11.9	—	—	—
	Abul Kizan	—	—	—	—	—	1.3	—	1.4	—	0.8	—	6.0	—	—	—

Table A 7.– SOIL TEMPERATURES (°C) AT FIXED HOURS

MAY 1963

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	Sidi Barrani	5	—	—	—	—	—	20.0	23.2	30	17.3	2	28.1	33.9	30	22.5	3	23.5	28.5	30	21.0	3
		10	—	—	—	—	—	20.7	23.4	31	18.8	2	25.2	28.7	30	21.5	3	25.0	29.2	30	22.5	3
		20	—	—	—	—	—	22.3	24.9	31	21.0	4	22.5	25.0	31	21.3	3	23.9	26.5	30	22.0	3
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Marsa Matruh (A)	5	20.2	24.8	18	17.0	2	19.7	25.0	30	16.5	2	29.5	34.8	30	26.5	7	24.8	29.0	30	22.7	2
		10	21.7	25.1	18	19.8	2	20.3	23.3	31	15.0	2	26.0	29.2	30	24.1	4	25.4	29.5	30	22.0	3
		20	23.0	25.8	31	21.7	1	22.2	26.1	30	20.3	1	22.8	25.0	31	21.1	2	24.2	26.8	30	22.0	3
		50	22.3	24.6	31	21.0	1	22.6	25.8	31	21.5	1	22.4	24.4	31	21.2	2	22.5	24.5	31	21.3	1
		100	20.8	22.8	25	19.3	2	19.7	22.6	30	19.3	1·3	20.4	22.5	31	19.4	2	20.4	22.5	30·31	19.2	9
		200	20.8	21.3	27,31	20.4	2,3	21.0	22.1	31	20.4	3,4	20.9	21.5	26	20.4	9	20.8	21.4	29	20.3	2
	Ras El Hekma	5	—	—	—	—	—	20.0	23.3	30	17.3	3	27.5	31.4	30	20.4	3	21.6	25.5	30	18.3	3
		10	—	—	—	—	—	19.3	22.2	30	17.2	1	24.5	27.3	30	20.7	3	22.8	26.3	30	19.2	3
		20	—	—	—	—	—	18.8	22.1	31	17.7	1	22.4	25.2	30	20.2	3	22.5	25.4	30	19.2	3
		50	—	—	—	—	—	21.0	22.6	31	19.6	4	20.9	22.5	31	19.5	4	20.9	22.5	31	19.6	4
		100	—	—	—	—	—	19.8	20.7	31	18.9	1	19.8	20.7	30·31	19.0	1,2,3	19.8	20.7	30·31	18.1	1
		200	—	—	—	—	—	19.1	19.6	31	18.7	1,2	19.6	19.8	30·31	18.7	1	19.1	19.6	30·31	18.7	1
	Dabaa	5	—	—	—	—	—	18.9	22.9	30	15.8	2	27.6	31.4	30	24.2	3	22.8	28.2	30	20.6	3
		10	—	—	—	—	—	19.2	22.7	31	16.5	2	25.1	29.0	30	22.6	3	23.1	28.1	30	20.8	3
		20	—	—	—	—	—	21.1	23.9	31	19.7	1	21.8	25.0	22	19.7	1	22.4	25.2	30·31	20.4	3
		50	—	—	—	—	—	22.0	23.2	30,31	20.6	4	21.9	23.2	30,31	20.4	2,4	21.9	23.2	30·31	20.4	4
		100	—	—	—	—	—	20.4	21.2	*	19.7	*	20.4	21.2	*	19.7	*	20.4	21.2	*	19.7	*
		200	—	—	—	—	—	19.7	20.2	*	19.2	*	19.7	20.2	*	19.2	*	19.7	20.2	*	19.2	*
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	25.8	27.8	28	23.5	1,2,5	25.9	27.6	30	23.8	4	25.6	27.5	31	23.5	1,4	25.9	27.7	22	23.5	4
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	El Arish	5	23.0	29.5	23	19.5	3	21.8	26.8	31	18.2	3	29.0	33.2	31	25.1	1	27.1	32.2	25	23.4	8
		10	23.7	28.0	23	19.6	1	22.5	26.8	31	19.2	3	27.4	30.4	13·31	24.1	1	27.0	31.4	31	24.4	1
		20	25.5	29.2	23	22.6	3	24.4	27.2	31	21.8	3	25.3	28.0	31	22.6	2	26.9	29.7	31	24.0	4
		50	25.8	27.5	26·30	24.0	1,2	25.8	27.6	28	24.1	2	25.6	27.3	30·31	23.8	2	25.5	27.3	31	23.8	2
		100	24.0	25.4	31	22.8	1	24.1	25.4	31	22.8	1	24.1	25.4	30,31	23.0	2·3	24.1	25.5	31	22.8	4
		200	23.0	23.9	28	22.3	1·3	23.0	23.9	28	22.3	1	23.2	24.0	31	22.3	5	23.0	24.0	31	22.4	*

* More than 3 day

Table A 7 (*contd.*) — **SOIL TEMPERATURES (°C) AT FIXED HOURS**
MAY 1963

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	Ghazza	5	23.8	28.6	31	18.8	2	23.5	28.5	31	18.8	2	33.7	39.3	31	26.7	1	28.3	33.3	31	24.4	2
		10	23.8	29.0	31	20.5	2	23.8	27.8	31	19.0	2	31.0	35.0	31	25.3	1	29.5	33.2	31	25.0	1
		20	26.2	29.0	31	22.3	2	24.9	28.0	31	21.0	2	27.4	32.0	17	23.1	1	28.4	32.0	31	22.7	1
		50	25.2	28.0	24,27,31	22.0	3	25.7	27.6	30	22.0	4	25.8	28.0	29	23.2	2	25.5	28.2	24	22.5	3
		100	27.0	29.0	27,31	24.9	4	27.1	29.0	31	24.5	4	27.1	29.0	29·31	25.0	2	27.0	28.6	29	25.0	2
		200	24.7	26.2	29	23.1	4	24.8	27.0	22	23.0	4	24.9	26.0	31	23.9	8	24.8	26.0	28	23.4	3
	Sakha	5	—	—	—	—	—	20.7	22.2	21	18.8	3	26.3	27.3	30	25.8	*	20.5	23.0	31	18.3	2
		10	—	—	—	—	—	21.4	22.3	27	18.3	3	25.7	26.8	30	25.6	1,2	20.3	22.7	31	18.0	1,2,3
		20	—	—	—	—	—	21.5	22.6	27	19.8	3	26.5	27.6	31	26.0	2	21.1	23.5	31	18.5	2
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Damanhour	5	—	—	—	—	—	21.0	25.2	26	16.5	3	33.0	37.1	25	27.0	3	25.0	28.9	30	21.5	5
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	22.8	25.4	31	19.8	1	22.9	25.6	31	19.7	1	22.8	25.1	30	19.6	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	23.6	25.7	31	19.6	1	30.6	34.8	30	26.0	3	27.1	30.2	30	24.2	1
		10	—	—	—	—	—	25.9	28.8	31	23.2	1	29.1	32.0	30	25.8	3	28.9	31.5	30	26.2	1,3
		20	—	—	—	—	—	24.5	26.7	31	22.0	1	24.7	27.0	31	22.2	1	25.5	27.8	31	23.1	1
		50	—	—	—	—	—	27.4	29.2	31	25.4	1	27.3	29.1	31	25.3	1,4	27.4	29.2	30,31	25.5	1
		100	—	—	—	—	—	24.6	25.9	31	23.5	1,2	24.6	25.9	31	23.5	1,2	24.5	25.9	31	23.5	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tahrir	5	—	—	—	—	—	24.1	28.4	31	20.7	1	40.0	45.5	18	34.9	1	28.8	34.2	30	23.8	1
		10	—	—	—	—	—	23.7	27.3	31	20.1	1	32.9	38.2	31	30.0	3	30.5	34.3	30	26.2	1
		20	—	—	—	—	—	25.5	28.7	31	22.2	1,2	28.4	31.4	31	25.1	5	29.1	32.8	30	26.5	3
		50	—	—	—	—	—	26.7	28.8	31	24.2	2	28.2	28.6	31	23.7	1	26.6	29.0	31	24.2	1·3
		100	—	—	—	—	—	24.4	26.7	29·31	23.8	*	—	—	—	—	—	25.3	26.9	31	23.7	2
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	5	23.2	28.8	31	18.5	10	25.3	29.6	31	21.0	1	41.8	49.0	31	35.5	9	29.2	34.6	30	25.5	1
		10	26.7	30.7	31	23.0	1,2	25.5	29.2	31	21.7	1	33.4	37.0	31	29.6	1	31.1	35.0	31	27.3	1
		20	28.1	31.1	31	25.0	1,2	26.6	30.0	31	22.4	3	29.1	35.0	30	25.8	1	30.3	33.0	31	27.0	1
		50	27.9	30.0	27,28,30	25.5	1,2	27.6	29.8	30,31	25.0	1	27.2	30.0	31	24.7	1	27.8	29.7	30	25.2	1
		100	26.8	28.9	31	25.0	2	27.0	29.2	29	25.0	2	27.0	29.0	30·31	25.0	1	27.1	29.0	29·31	25.1	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

MAY 1963

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
Cairo Area	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Giza	5	—	—	—	—	—	25.8	28.9	31	21.3	1	39.0	43.2	18,31	33.1	3	32.0	35.8	30	27.7	3
		10	—	—	—	—	—	26.3	28.9	31	22.8	1	32.0	35.3	31	28.2	3	32.2	35.0	31	28.2	3
		20	—	—	—	—	—	28.1	30.1	31	25.7	1,2	28.2	30.3	31	25.7	1	29.3	31.6	31	26.8	1,3
		50	—	—	—	—	—	27.8	29.4	31	26.0	2	27.8	29.4	30·31	25.9	1,2	27.7	29.4	31	25.8	1
		100	—	—	—	—	—	—	—	—	—	—	25.9	27.3	31	24.8	1,2,5	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	24.2	24.9	29,30,31	23.6	1,2	—	—	—	—	—
Upper Egypt	Fayoum	5	—	—	—	—	—	22.7	24.5	31	19.9	1	31.2	34.0	31	25.6	3	26.7	29.0	31	22.9	3
		10	—	—	—	—	—	23.1	25.0	31	20.5	1	27.6	30.0	23,24	24.0	3	26.7	28.5	31	23.1	3
		20	—	—	—	—	—	24.2	25.4	31	22.0	1	24.6	26.0	26,28,29	22.5	1	25.0	28.0	30	22.0	1
		50	—	—	—	—	—	24.1	25.2	31	22.6	3	24.1	25.2	31	22.5	2,4	24.2	28.0	30	22.4	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	5	26.8	32.6	31	22.0	1	24.8	31.6	31	20.5	2	32.8	38.0	31	27.2	3	30.4	35.0	31	26.0	3
		10	29.4	33.3	31	26.5	1	27.7	33.5	31	25.0	1,2,4	31.3	36.5	31	26.8	5	34.3	36.7	31	28.8	1
		20	28.7	32.4	31	26.5	1	28.0	33.1	31	26.0	1,2	28.5	32.0	31	26.0	2,3	29.4	33.0	31	26.7	1
		50	28.4	32.3	31	26.5	*	28.4	31.0	31	26.5	4	28.5	30.5	31	26.5	2	28.7	31.0	29	26.5	2
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mallawi	5	—	—	—	—	—	24.3	30.0	31	20.0	2	32.6	36.0	31	26.5	3	31.4	35.0	30,31	27.5	3
		10	—	—	—	—	—	25.2	29.5	31	22.0	*	28.7	31.2	30,31	24.5	3	28.5	31.0	30,31	25.0	3
		20	—	—	—	—	—	25.9	28.5	31	23.0	1,3	26.1	29.6	31	23.8	4	26.2	30.5	31	23.8	4
		50	—	—	—	—	—	23.2	25.0	30·31	21.7	1,2	23.2	25.0	30,31	21.7	1,2	23.2	25.0	30,31	21.7	1,2
		100	—	—	—	—	—	21.8	23.2	31	20.6	1,2	21.8	23.2	31	20.6	1,2	21.8	23.2	31	20.6	1,2
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandwel	5	—	—	—	—	—	25.1	29.0	31	22.5	30	32.1	34.5	30,31	30.3	1	29.9	33.5	31	28.0	1,2,3
		10	—	—	—	—	—	26.3	29.0	31	25.0	2	28.0	31.0	31	27.0	1,2,3	28.1	32.0	31	27.5	2,3
		20	—	—	—	—	—	27.6	29.5	28,31	25.5	2	27.7	29.5	31	26.0	2,3	28.2	30.0	31	27.0	1
		50	—	—	—	—	—	27.9	29.5	31	26.5	2,3	28.8	30.5	31	27.7	1	29.3	31.0	31	28.6	2,3
		100	—	—	—	—	—	26.8	27.5	*	25.2	3	27.0	30.0	30	26.2	3	26.8	27.5	*	26.0	3,4
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

MAY 1963

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
Upper Egypt	Nag Hammadi	5	—	—	—	—	—	21.9	25.2	26	19.9	3	31.5	37.0	19	27.5	1	24.4	28.6	31	21.7	3
		10	—	—	—	—	—	22.9	25.5	26	20.2	2	27.2	29.0	19	24.6	4	24.1	28.0	31	21.4	3
		20	—	—	—	—	—	24.2	26.8	24	21.7	3	25.0	27.4	20,31	22.2	3	24.2	27.0	31	21.4	3
		50	—	—	—	—	—	24.7	27.0	31	21.4	3	24.7	27.0	31	21.4	3	24.7	27.0	31	21.4	3
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo	5	—	—	—	—	—	23.2	29.0	27	20.0	3	35.2	45.5	28	30.5	1,3	27.3	34.6	26	23.2	1
		10	—	—	—	—	—	23.9	28.5	27	21.4	3	29.2	33.5	26	26.0	*	27.0	32.0	26	23.8	3
		20	—	—	—	—	—	25.2	28.5	27	23.0	2	25.7	28.8	27	23.8	3	26.2	29.5	27	24.0	2,3
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Western Desert	Siwa	5	26.2	30.0	30	24.0	2	24.4	28.4	30	22.2	2,5	29.7	34.6	30	25.2	3	29.2	33.7	30	26.8	2
		10	26.5	30.2	31	24.4	1,8	24.6	28.6	30	22.8	1,2,5	28.7	32.6	30	26.6	2,3	29.4	33.4	30	27.2	2
		20	26.7	30.4	31	24.0	1	25.2	29.0	31	22.2	1	27.8	32.9	27	25.0	1,2	29.0	34.8	29	26.4	6
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bahariya	5	26.7	32.2	25	23.6	2	27.6	31.0	25	20.9	2	33.5	38.8	18	26.8	3	31.9	36.7	18	28.0	3,5
		10	27.6	32.8	31	25.4	1	26.3	31.2	25	22.4	6	30.6	34.9	31	25.6	3	31.6	35.2	31	27.6	3
		20	29.6	32.5	31	26.7	1	28.4	31.4	31	25.9	1	28.4	31.8	31	25.6	2	30.1	33.3	31	26.9	3
		50	29.1	31.1	31	27.2	4,5	29.2	31.2	31	26.4	2	29.1	31.0	30,31	27.2	1,4,5	29.9	31.0	30,31	27.1	1,2
		100	27.5	29.0	30,31	26.4	*	27.6	29.2	31	26.3	3	27.5	29.1	31	26.4	*	27.6	29.1	31	26.4	*
		200	26.1	27.0	31	25.3	1	26.1	27.0	30	25.3	1	26.1	27.0	30,31	25.3	1	26.1	27.0	30,31	25.3	1
	Farafra	5	29.4	33.9	31	26.5	5	27.4	32.5	31	24.5	6	33.3	36.8	31	28.4	3	32.7	37.4	30	26.9	3
		10	30.2	33.5	31	26.4	4	28.6	32.6	31	25.4	4	30.4	33.9	30	27.6	3	31.7	35.8	30	27.2	3
		20	30.1	32.5	31	27.1	4	29.4	33.0	30	26.9	4	31.0	32.7	30	27.0	5	30.2	33.0	31	27.6	3
		50	28.3	30.6	31	26.7	5	28.3	30.4	30,31	26.7	5	28.3	30.5	31	26.6	5	27.4	30.5	30,31	26.6	5
		100	26.5	27.9	26,31	25.5	1	26.5	27.9	31	25.6	5,7	26.5	27.9	31	25.5	6	26.5	27.9	30,31	25.4	6
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 8 — FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

MAY 1963

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 / Samdstorm 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	1	3	0	2	0	10	1	0	0	0	0	1	9	1
	Sidi Barrani	3	0	0	0	0	1	0	0	0	0	2	2	0	0	0	0	0	—	—
	Mersa Matruh (A)	2	0	0	0	0	0	0	1	1	0	15	3	0	0	0	0	2	11	0
	Ras El Hikma	3	0	0	0	0	0	1	0	0	0	3	2	0	0	0	0	0	—	—
	Dabaa	5	0	0	1	0	1	1	0	0	0	10	4	0	0	0	0	2	—	—
	Dekheila (A)	2	0	0	0	0	0	0	0	1	0	5	1	0	0	0	0	0	14	0
	Ras El Teen	3	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	—	—
	Alexandria (A)	2	0	0	0	0	2	4	0	4	0	6	3	0	0	0	0	0	7	2
	Rosetta	1	0	0	0	0	0	0	0	2	0	7	1	0	0	0	0	0	—	—
	Balteam	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Damietta	1	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	—	—
	Port Said (A)	2	0	0	0	0	0	0	0	1	0	4	2	0	0	0	0	1	18	0
	El Arish	2	0	0	0	0	2	1	0	3	0	5	0	0	0	0	0	0	9	1
	Ghazza	4	0	0	0	0	4	0	0	3	0	2	1	0	0	0	0	1	8	1
Lower Egypt	El Sirw	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	0	0	0	0	0	0	3	1	0	0	6	0	0	0	0	0	0	—	—
	Damanhour	0	0	0	0	0	0	0	0	2	0	3	1	0	0	0	0	0	—	—
	Tanta	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	0	0	0	0	0	0	4	1	3	0	6	4	0	0	0	0	0	—	—
	Shebin El Kom	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	—	—
	Zagazig	1	0	0	0	0	0	0	0	1	0	4	1	0	0	0	0	0	—	—
	Abu Sueir (A)	3	0	0	0	0	4	4	0	14	0	13	3	0	0	0	0	1	6	2
	Banha	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	—	—
	Zaher (A)	1	0	0	0	0	0	0	0	1	0	6	1	0	0	0	0	0	—	—
	Wadi El Natrun	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	1	—	—
	Inshas (A)	2	0	0	0	0	1	0	0	3	0	10	4	0	0	0	0	1	2	0
	Fayed (A)	2	0	0	0	0	0	0	0	1	0	7	2	0	0	0	0	3	—	—
	Kabrit (A)	0	0	0	0	0	0	1	0	3	0	4	1	0	0	0	0	1	—	—
	Delta Barrage	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cairo Area	Cairo (A)	1	0	0	0	0	0	7	0	17	0	7	3	0	0	0	0	0	13	1
	Mostafa Helmi (A)	0	0	0	0	0	0	11	0	9	0	19	3	0	0	0	0	0	18	2
	Almaza (A)	0	0	0	0	0	0	1	0	18	0	6	1	0	0	0	0	0	13	1
	Abbasiya (H.Q.)	0	0	0	0	0	0	0	0	8	0	6	0	0	0	0	0	0	15	1
	Imbaba (A)	0	0	0	0	0	0	0	0	8	0	6	0	0	0	0	0	0	—	—
	Giza	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	18	1
	Helwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	19	0

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

MAY 1963

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	1	0	0	0	0	0	0	—	—
	Beni Suef	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	—	—
	Minya (A)	1	0	0	0	0	0	1	0	11	0	6	2	0	0	0	0	1	18	1
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad) (A)	0	0	0	0	0	0	0	0	12	0	5	1	0	0	0	0	1	20	1
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor (A)	0	0	0	0	0	0	0	0	8	0	4	0	0	0	0	0	0	19	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	3	0	6	1	0	0	0	0	0	21	2
Western Desert	Siwa	1	0	6	0	0	1	1	0	7	0	10	1	0	0	0	0	0	14	2
	Bahariya	0	0	0	0	0	0	0	0	1	0	4	1	0	0	0	0	0	19	1
	Farafra	0	0	0	0	0	0	0	0	11	0	10	2	0	0	0	0	1	—	—
	Dakhla	0	0	0	0	0	0	0	0	7	0	8	0	0	0	0	0	0	20	2
	Kharga	1	0	0	0	0	0	0	0	1	0	6	0	0	0	0	0	0	20	2
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	—	—
	Tor	2	0	0	0	0	2	0	0	4	0	4	1	0	0	0	0	0	21	2
	Hurghada	1	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	1	21	1
	Quseir	1	0	0	0	0	0	0	2	15	0	14	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

MAY 1963

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	1	0	1-10	78	37	30	26	27	40	8	12	26	10	42	114	450
					11-27	29	15	19	59	12	14	4	1	2	6	23	104	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	**107**	**52**	**49**	**85**	**39**	**54**	**12**	**13**	**28**	**16**	**65**	**218**	**738**
	Mersa Matruh (A)	2	6	0	1-10	71	34	14	24	33	22	8	10	14	46	36	29	341
					11-27	65	18	13	51	49	15	3	1	6	21	10	129	381
					28-47	0	1	1	0	0	0	1	3	2	3	1	2	14
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**136**	**53**	**28**	**75**	**82**	**37**	**12**	**14**	**22**	**70**	**47**	**160**	**736**
	Dekheila (A)	1	0	0	1-10	91	92	42	23	36	47	27	12	12	19	48	100	549
					11-27	15	17	19	4	17	35	9	3	2	8	14	51	194
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**106**	**109**	**61**	**27**	**53**	**82**	**36**	**15**	**14**	**27**	**62**	**151**	**743**
	Ras El Tein	0	0	23	1-10	81	71	46	34	35	38	24	9	11	21	25	54	449
					11-27	57	36	24	13	15	30	14	6	8	11	27	31	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	**138**	**107**	**70**	**47**	**50**	**68**	**38**	**15**	**19**	**32**	**52**	**85**	**721**
	Alexandria (A)	9	0	0	1-10	63	33	20	26	58	33	9	8	12	23	58	89	432
					11-27	30	19	18	14	24	2	6	4	12	17	85	69	300
					28-47	0	0	0	0	0	0	0	0	0	3	0	0	3
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**93**	**52**	**38**	**40**	**82**	**35**	**15**	**12**	**24**	**43**	**143**	**158**	**735**
	Port Said (A)	0	1	0	1-10	60	45	28	22	24	11	7	7	14	26	30	20	294
					11-27	97	51	64	57	22	6	5	9	15	21	37	60	444
					28-47	0	0	0	0	0	0	0	0	5	0	0	0	5
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**157**	**96**	**92**	**79**	**46**	**17**	**12**	**16**	**34**	**47**	**67**	**80**	**743**
Lower Egypt	El Arish	0	21	0	1-10	76	83	28	21	43	114	34	29	53	33	48	101	663
					11-27	1	7	6	0	1	0	0	0	8	12	16	9	60
					28-47	0	0	0	0	0	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**	**90**	**34**	**21**	**44**	**114**	**34**	**29**	**61**	**45**	**64**	**110**	**723**
	Ghazza	0	21	1	1-10	38	37	40	33	50	79	34	13	36	51	52	65	528
					11-27	26	31	1	2	1	16	1	7	25	23	41	20	194
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**64**	**68**	**41**	**35**	**51**	**95**	**35**	**20**	**61**	**74**	**93**	**85**	**722**
	Mansoura	8	3	16	1-10	33	60	36	45	26	9	8	34	48	65	84	60	508
					11-27	8	30	15	25	6	5	6	7	16	24	35	32	208
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**41**	**90**	**51**	**70**	**32**	**14**	**14**	**41**	**64**	**89**	**119**	**92**	**717**
	Tanta	12	13	0	1-10	41	42	43	83	67	21	4	28	67	72	120	85	673
					11—27	0	2	2	3	0	1	2	1	7	10	11	7	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	**41**	**44**	**45**	**86**	**67**	**22**	**6**	**29**	**74**	**82**	**131**	**92**	**719**

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

MAY 1963

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	
Lower Egypt	Tahrir	1	1	0	1-10	69	52	51	72	48	23	10	10	17	64	79	111	606
					11-27	21	7	0	5	7	5	4	3	11	19	18	36	136
					28-47	0	0	0	0	0	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**	**59**	**51**	**77**	**55**	**28**	**14**	**13**	**28**	**83**	**97**	**147**	**742**
	Abu Sueir (A)	37	2	0	1-10	65	51	62	42	37	7	11	12	46	43	64	37	477
					11-27	41	39	15	5	12	6	4	7	21	30	34	9	223
					28-47	0	0	0	0	0	0	0	0	3	2	0	0	5
					>48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**106**	**90**	**77**	**47**	**49**	**13**	**15**	**19**	**70**	**75**	**98**	**46**	**705**
	Zaher (A)	8	15	0	1-10	58	63	60	51	27	21	14	18	40	57	82	72	563
					11-27	4	26	19	7	6	6	3	11	18	26	17	15	158
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					>48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**62**	**89**	**79**	**58**	**33**	**27**	**17**	**29**	**58**	**83**	**99**	**87**	**721**
Cairo Area	Cairo (A)	43	6	123	1-10	42	72	60	45	13	4	6	12	8	40	72	72	446
					11-27	6	7	11	11	19	3	1	11	13	5	21	18	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	**48**	**79**	**71**	**56**	**32**	**7**	**7**	**23**	**21**	**45**	**93**	**90**	**572**
	Mostafa Helmi (A)	0	8	0	1-10	37	65	32	31	36	24	7	2	12	12	49	68	375
					11-27	47	47	38	32	12	8	15	13	11	10	40	84	357
					28-47	0	0	0	4	0	0	0	2	0	0	1	1	4
					>48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**84**	**112**	**70**	**63**	**48**	**32**	**22**	**17**	**23**	**22**	**90**	**153**	**736**
	Almaza (A)	0	14	1	1-10	95	104	114	18	54	14	7	19	14	40	90	87	656
					11-27	1	6	9	9	5	3	2	17	5	16	6	0	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	**96**	**110**	**123**	**27**	**59**	**17**	**9**	**36**	**19**	**50**	**96**	**87**	**729**
	Abbasiya (H Q)	39	4	0	1-10	160	96	68	25	9	5	18	19	22	36	97	109	664
					11-27	0	8	2	0	0	0	4	8	5	5	5	0	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	**160**	**104**	**70**	**25**	**9**	**5**	**22**	**27**	**27**	**41**	**102**	**109**	**701**
	Giza	30	13	8	1-10	145	79	53	12	13	26	35	6	12	30	47	173	631
					11-27	4	8	3	0	0	0	8	6	4	6	8	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	**149**	**87**	**56**	**12**	**13**	**26**	**43**	**12**	**16**	**36**	**55**	**188**	**693**
Upper Egypt	Fayoum	21	0	1	1-10	231	74	24	5	10	30	34	18	18	39	64	157	704
					11-27	2	0	0	0	0	0	1	2	7	0	0	6	18
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					>48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**233**	**74**	**24**	**5**	**10**	**30**	**35**	**20**	**25**	**39**	**64**	**163**	**722**
	Minya (A)	33	4	5	1-10	93	83	21	10	16	37	29	11	7	20	29	157	513
					11-27	40	38	1	1	0	4	14	4	7	21	20	39	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	**133**	**121**	**22**	**11**	**16**	**41**	**43**	**15**	**14**	**41**	**49**	**196**	**702**

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

MAY 1963

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 win blowing from the ranges of directions indicated												All directions
						345/014	015/044	045/074	075/104	105/134	135/164	165/194	195/224	225/254	255/284	285/314	315/344	
Upper Egypt	Asyout (A)	41	8	3	1-10	7	24	35	19	9	4	10	48	125	90	58	18	447
					11-27	0	2	11	13	19	10	4	15	29	71	58	8	240
					28-47	0	0	0	1	0	1	3	0	0	0	0	0	5
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**7**	**26**	**46**	**33**	**28**	**15**	**17**	**63**	**154**	**161**	**116**	**26**	**692**
	Luxor (A)	44	6	0	1-10	92	98	34	22	24	19	20	31	30	49	53	171	640
					11-27	5	5	0	0	0	1	1	5	2	1	2	32	54
					28-47	0	0	0	0	0	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**	**103**	**34**	**22**	**24**	**20**	**21**	**36**	**32**	**42**	**55**	**203**	**694**
	Aswan (A)	0	1	1	1-10	238	131	17	9	9	21	24	15	12	19	15	64	574
					11-27	22	43	1	1	2	2	0	3	5	5	19	65	168
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**260**	**174**	**18**	**10**	**11**	**23**	**24**	**18**	**17**	**24**	**34**	**29**	**742**
Western Desert	Siwa	22	9	48	1-10	22	25	39	65	57	28	15	9	9	40	66	38	413
					11-27	9	4	14	16	40	24	12	8	7	17	67	32	250
					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	**31**	**29**	**53**	**81**	**97**	**52**	**29**	**17**	**16**	**57**	**133**	**70**	**665**
	Dakhla	29	4	1	1-10	69	89	26	30	79	51	35	30	16	30	75	138	668
					11-27	3	1	0	1	2	6	2	8	2	3	5	9	42
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**72**	**90**	**26**	**31**	**81**	**57**	**37**	**38**	**18**	**33**	**80**	**147**	**710**
Red Sea	Hurghada	37	2	0	1-10	65	51	62	42	37	7	11	12	46	43	64	37	477
					11-27	41	39	15	5	12	6	4	7	21	30	34	9	223
					28-47	0	0	0	0	0	0	0	0	3	2	0	0	5
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**106**	**90**	**77**	**47**	**49**	**13**	**15**	**19**	**70**	**75**	**98**	**46**	**705**

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

SALLUM — MAY 1963

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	3	3	3	1	2	0	1	0	0	1	0	6	20
				11–27	1	1	0	1	0	0	0	0	1	1	1	1	7
				28–47	0	0	0	0	0	0	0	0	0	0	1	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	4	3	2	2	0	1	0	1	2	2	7	28
0300	10	0	0	1–10	1	2	1	1	0	0	0	0	0	1	4	4	14
				11–27	0	1	0	1	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	1	3	1	2	0	0	0	0	0	2	5	7	21
0600	7	0	0	1–10	1	3	0	0	4	1	0	0	1	4	0	5	19
				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	3	0	0	4	0	0	0	1	5	1	7	24
0900	5	0	0	1–10	3	3	4	2	1	0	0	0	0	1	2	1	17
				11–27	1	2	1	1	1	0	0	0	1	1	1	0	9
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	5	5	3	2	0	0	0	1	2	3	1	26
1200	2	0	0	1–10	1	6	1	1	2	0	0	0	0	0	0	1	12
				11–27	5	4	2	1	1	0	0	0	0	1	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	6	10	3	2	3	0	0	0	0	1	2	2	29
1500	2	0	0	1–10	2	1	3	2	0	0	0	0	0	0	0	0	8
				11–27	6	9	2	0	0	1	0	0	0	0	3	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	8	10	5	2	0	1	0	0	0	0	3	0	29
1800	5	0	0	1–10	3	8	2	2	1	6	0	0	0	0	0	4	20
				11–27	3	1	1	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	6	9	3	2	1	0	0	0	0	0	0	5	26
2100	6	0	0	1–10	2	2	2	1	1	0	0	0	0	1	1	6	18
				11–27	1	2	0	3	0	0	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	3	4	2	4	1	0	0	0	0	3	2	6	25

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 1963

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	3	1	0	0	3	2	1	0	3	8	2	0	23
				11-27	0	0	0	1	1	0	0	0	1	0	0	1	4
				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	**3**	**1**	**0**	**1**	**4**	**2**	**2**	**0**	**4**	**8**	**2**	**1**	**28**
0300	2	0	0	1-10	1	1	0	0	2	0	2	0	3	5	2	1	17
				11-27	0	1	1	1	0	2	0	0	0	3	1	1	10
				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	**1**	**2**	**1**	**1**	**2**	**2**	**3**	**0**	**4**	**8**	**3**	**2**	**29**
0600	1	0	0	1-10	2	0	0	0	3	1	0	0	0	2	2	2	12
				11-27	1	2	0	1	1	1	0	0	0	1	4	5	16
				28-47	0	0	0	0	0	0	0	1	0	0	1	0	2
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**3**	**2**	**0**	**1**	**4**	**2**	**0**	**1**	**0**	**3**	**7**	**7**	**30**
0900	0	0	0	1-10	5	1	0	0	0	2	0	0	0	0	0	0	8
				11-27	5	3	1	3	0	1	0	0	0	0	0	9	22
				28-47	0	0	0	0	1	0	0	0	0	0	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**10**	**4**	**1**	**3**	**1**	**3**	**0**	**0**	**0**	**0**	**0**	**9**	**31**
1200	0	0	0	1-10	11	3	4	4	2	0	0	0	0	0	0	6	30
				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	3
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**11**	**3**	**4**	**5**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**31**
1500	0	0	0	1-10	1	3	0	0	0	0	0	0	0	0	0	1	5
				11-27	8	4	2	2	4	0	0	0	0	0	0	6	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	**9**	**7**	**2**	**2**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**31**
1800	0	0	0	1-10	5	1	2	1	2	1	0	0	0	0	1	1	16
				11-27	4	1	0	3	3	0	0	0	0	0	1	4	14
				28-47	0	0	0	0	1	0	0	0	0	0	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**9**	**2**	**2**	**4**	**6**	**1**	**0**	**0**	**0**	**0**	**2**	**5**	**31**
2100	5	0	0	1-10	3	1	0	3	1	0	0	0	0	4	4	1	17
				11-27	0	0	1	3	3	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	**3**	**1**	**1**	**6**	**4**	**0**	**0**	**0**	**0**	**4**	**4**	**3**	**26**

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

DEKHEILA (A) — MAY 1963

Hour (G.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of widd blowing from the ranges of directions indicated												
					345 / 014	015 / 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	2	0	0	4	3	0	1	1	1	0	8	25
				11 - 27	0	0	0	0	2	1	1	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	5	2	0	0	6	4	1	1	1	1	1	8	30
0300	0	0	0	1 - 10	4	1	1	0	2	3	4	0	2	1	5	3	26
				11 - 27	0	0	0	0	0	4	1	0	0	0	0	0	5
				28 - 47	0	0	0	0	0	0	0	0	0	0	0	0	0
				>48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	1	1	0	2	7	5	0	2	1	5	3	31
0600	0	0	0	1 - 10	4	2	1	0	0	5	4	0	0	3	6	3	28
				11 - 27	0	0	0	0	0	1	1	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	4	2	1	0	0	6	5	0	0	4	6	3	31
0900	0	0	0	1 - 10	4	7	1	0	0	3	0	0	0	1	6	3	25
				11 - 27	0	0	1	0	0	1	1	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	4	7	2	0	0	4	1	0	0	1	7	5	31
1200	0	0	0	1 - 10	5	3	3	0	1	0	0	0	0	0	1	4	17
				11 - 27	0	1	2	0	0	1	0	1	1	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	5	4	5	0	1	1	0	1	1	0	3	10	31
1500	0	0	0	1 - 10	7	5	2	0	0	0	0	0	0	0	0	2	16
				11 - 27	2	3	2	1	0	2	0	0	1	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	9	8	4	1	0	2	0	0	1	0	1	5	31
1800	1	0	0	1 - 10	5	4	8	2	0	1	0	0	0	0	0	5	25
				11 - 27	1	1	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	6	5	8	2	2	1	0	0	0	0	6	6	30
2100	0	0	0	1 - 10	4	2	3	2	3	3	1	0	1	0	0	5	24
				11 - 27	1	1	0	0	1	2	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	5	3	3	2	4	5	1	0	1	0	0	7	31

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

RAS EL TEEN — MAY 1963

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	2	0	0	1-10	2	4	1	2	1	4	1	1	0	1	2	2	21
				11-27	1	1	0	0	1	1	1	0	0	0	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	3	5	1	2	2	5	3	1	0	1	4	3	29
0300	0	0	0	1-10	4	1	1	2	1	1	3	0	1	2	2	2	22
				11-27	1	1	0	0	1	4	2	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	5	2	1	2	2	5	5	0	1	2	3	3	31
0600	2	0	0	1-10	6	0	1	1	1	2	2	2	0	3	2	1	21
				11-27	2	0	0	0	0	2	2	0	0	1	1	0	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	0	1	1	1	4	4	2	0	4	3	1	29
0900	0	0	0	1-10	4	6	1	0	1	0	1	0	1	2	3	4	23
				11-27	3	0	2	0	0	2	0	0	1	0	0	0	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	6	3	0	1	2	1	0	2	2	3	4	31
1200	0	0	0	1-10	5	3	2	1	0	0	0	0	1	0	1	2	15
				11-27	4	3	2	0	0	1	0	1	1	1	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	9	6	4	1	0	1	0	1	2	1	2	4	31
1500	0	0	0	1-10	2	6	1	1	0	0	0	0	0	0	0	1	11
				11-27	4	4	4	0	0	2	0	1	0	0	3	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	6	10	5	1	0	2	0	1	0	0	3	3	31
1800	1	0	0	1-10	1	6	6	4	0	1	0	0	0	0	1	3	22
				11-27	3	1	1	1	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	4	7	7	5	0	1	0	0	0	0	2	4	30
2100	1	0	0	1-10	3	3	2	0	5	0	2	1	0	0	2	2	20
				11-27	2	2	0	0	2	1	1	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	5	5	2	0	7	1	3	1	0	0	3	3	30

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

ALEXANDRIA (A) — MAY 1963

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	3	2	1	1	4	0	0	2	0	0	6	3	22
				11–27	0	0	0	2	2	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	3	2	1	3	6	0	0	2	0	1	6	5	29
0300	4	0	0	1–10	2	0	2	2	4	1	0	0	1	3	2	4	21
				11–27	0	0	0	1	2	1	0	0	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	2	3	6	2	0	0	2	3	3	4	27
0600	1	0	0	1–10	1	1	1	4	4	1	1	1	2	5	0	4	25
				11–27	0	0	0	1	1	0	0	1	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	1	1	1	5	5	1	1	2	2	6	0	5	30
0900	0	0	0	1–10	2	1	0	1	2	0	1	1	1	0	3	3	15
				11–27	2	0	0	0	1	1	0	0	1	4	5	2	16
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	1	0	1	3	1	1	1	2	4	8	5	31
1200	0	0	0	1–10	1	0	0	0	0	0	0	0	0	0	1	1	3
				11–27	6	2	0	1	0	0	1	0	1	2	7	7	27
				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	2	0	1	0	0	1	0	1	3	8	8	31
1500	0	0	0	1–10	2	0	0	0	0	0	0	0	0	0	1	0	3
				11–27	6	4	2	0	1	0	1	0	0	1	3	10	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	8	4	2	0	1	0	1	0	0	1	4	10	31
1800	0	0	0	1–10	4	6	3	1	1	0	0	0	0	0	1	4	20
				11–27	2	1	1	1	0	0	0	0	0	0	3	3	11
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	7	4	2	1	0	0	0	0	0	4	4	31
2100	1	0	0	1–10	3	3	3	1	0	1	1	0	0	0	3	4	19
				11–27	3	0	0	4	1	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	6	3	3	5	1	1	1	0	0	0	4	4	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) — MAY 1963

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	2	3	3	1	0	1	0	1	4	1	18
				11-27	2	0	3	3	0	1	0	0	0	1	3	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	1	5	6	3	2	0	1	0	2	7	1	31
0300	0	0	0	1-10	2	2	0	1	3	3	1	0	3	1	2	0	18
				11-27	0	0	0	4	1	0	0	1	1	3	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	2	2	0	5	4	3	1	1	4	4	2	3	31
0600	0	0	0	1-10	2	3	0	0	2	0	2	0	3	3	2	0	17
				11-27	0	0	0	2	4	0	1	0	0	4	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	2	3	0	2	6	0	3	0	3	7	3	2	31
0900	0	0	0	1-10	4	3	1	0	0	0	0	0	2	2	0	5	9
				11-27	1	1	5	2	0	0	1	1	0	2	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	4	4	6	2	0	0	1	1	2	4	0	6	31
1200	0	0	0	1-10	5	2	2	0	0	0	0	0	0	0	0	0	9
				11-27	11	4	5	0	0	0	0	1	0	0	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	16	6	7	0	0	0	0	1	0	0	0	1	31
1500	0	0	0	1-10	0	2	0	0	0	0	0	0	0	0	0	0	2
				11-27	14	4	3	2	0	0	0	0	1	0	0	5	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	14	6	3	2	0	0	0	0	1	0	0	5	31
1800	0	0	0	1-10	2	0	0	1	0	0	0	0	0	0	0	0	3
				11-27	7	4	2	5	0	0	0	0	0	1	2	6	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	9	4	2	6	0	0	0	0	1	1	2	6	31
2100	0	0	0	1-10	6	2	1	1	0	1	0	0	0	1	0	1	13
				11-27	1	1	1	6	1	0	1	0	0	0	5	1	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	7	3	2	7	1	1	1	0	0	2	5	2	31

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

EL ARISH - MAY 1963

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	2	2	7	3	3	3	1	3	0	25
				11-27	0	0	0	0	0	0	0	0	1	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**1**	**2**	**2**	**7**	**3**	**3**	**4**	**1**	**3**	**0**	**26**
0300	3	0	0	1-10	0	0	1	0	3	9	2	5	7	1	0	0	28
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**1**	**0**	**3**	**9**	**2**	**5**	**7**	**1**	**0**	**0**	**28**
0600	1	0	0	1-10	2	0	0	1	5	4	2	3	4	4	4	0	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	**2**	**0**	**0**	**1**	**5**	**4**	**2**	**3**	**5**	**4**	**4**	**0**	**30**
0900	0	0	0	1-10	4	5	0	0	0	2	3	0	1	0	7	7	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	**4**	**5**	**0**	**0**	**0**	**2**	**3**	**0**	**1**	**0**	**8**	**8**	**31**
1200	0	0	0	1-10	9	3	1	0	0	0	1	0	0	0	1	9	24
				11-27	1	0	1	0	0	0	0	0	1	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	**10**	**3**	**2**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**3**	**11**	**31**
1500	0	0	0	1-10	11	5	1	0	0	0	0	0	0	0	3	6	26
				11-27	0	2	1	0	0	0	0	0	1	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**	**7**	**2**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**4**	**6**	**31**
1800	0	0	0	1-10	5	10	3	1	2	0	0	0	0	2	5	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	**5**	**10**	**3**	**1**	**2**	**0**	**0**	**0**	**0**	**3**	**5**	**2**	**31**
2100	6	0	0	1-10	0	2	1	4	3	4	1	2	0	1	4	1	23
				11-27	0	0	0	0	0	0	0	0	0	2	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**2**	**1**	**4**	**3**	**4**	**1**	**2**	**0**	**3**	**4**	**1**	**25**

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

GHAZZA — MAY 1963

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	0	0	1	3	5	8	2	0	1	4	1	0	25
				11-27	0	1	0	0	0	2	0	1	2	0	0	0	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**1**	**1**	**3**	**5**	**10**	**2**	**1**	**3**	**4**	**1**	**0**	**31**
0300	0	0	0	1-10	1	1	0	0	7	11	4	1	0	2	1	0	28
				11-27	0	0	0	0	1	1	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	**1**	**1**	**0**	**0**	**8**	**12**	**4**	**1**	**1**	**2**	**1**	**0**	**31**
0600	0	0	0	1-10	3	0	1	2	2	2	2	2	7	2	0	2	25
				11-27	0	0	0	0	0	1	1	0	0	4	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**	**0**	**1**	**2**	**2**	**3**	**1**	**2**	**7**	**6**	**0**	**2**	**31**
0900	0	0	0	1-10	2	1	0	0	0	1	2	1	0	7	5	5	24
				11-27	1	0	0	0	0	0	0	0	2	2	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	**3**	**1**	**0**	**0**	**0**	**1**	**2**	**1**	**2**	**9**	**6**	**6**	**31**
1200	0	0	0	1-10	2	1	0	1	0	0	0	0	1	1	7	1	14
				11-27	2	2	0	0	0	0	0	0	0	1	5	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	**4**	**3**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**2**	**12**	**8**	**31**
1500	0	0	0	1-10	1	4	1	0	0	0	0	0	0	0	2	7	15
				11-27	3	4	0	0	0	1	0	0	0	0	4	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	**4**	**8**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**11**	**31**
1800	0	0	0	1-10	8	4	4	2	1	0	0	0	1	2	1	3	26
				11-27	1	2	0	0	0	0	0	1	0	1	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**9**	**6**	**4**	**2**	**1**	**0**	**0**	**1**	**1**	**3**	**1**	**3**	**31**
2100	1	0	0	1-10	0	2	4	7	0	4	0	0	1	2	4	2	26
				11-27	0	0	0	0	0	1	0	0	2	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**	**2**	**4**	**7**	**0**	**5**	**0**	**0**	**3**	**3**	**4**	**2**	**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 1963

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	2	2	3	0	1	0	0	1	1	4	1	0	15
				11-27	0	0	0	0	0	0	0	1	0	1	0	1	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	3	0	1	0	0	2	1	5	1	1	18
0300	12	0	0	1-10	2	2	1	0	1	1	0	1	3	3	4	0	18
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	2	1	0	1	1	0	1	3	3	4	0	19
0600	0	0	0	1-10	1	3	1	2	4	3	1	2	3	2	4	4	30
				11-27	0	0	0	0	0	0	0	0	1	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	3	1	2	4	3	1	2	4	2	4	4	31
0900	0	0	0	1-10	1	4	3	1	1	3	0	0	2	3	3	2	23
				11-27	0	0	0	1	1	1	1	1	1	1	0	1	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	4	3	2	2	4	1	1	3	4	3	3	31
1200	0	0	0	1-10	3	2	1	0	1	0	0	1	1	3	3	2	17
				11-27	1	2	0	0	0	1	1	1	1	4	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	4	4	1	0	1	1	1	2	2	7	6	2	31
1500	0	0	0	1-10	5	0	0	3	0	0	0	0	0	1	3	0	9
				11-27	2	5	2	0	0	1	0	0	2	1	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	7	5	2	3	0	1	0	0	3	2	7	1	31
1800	0	0	0	1-10	5	0	2	1	1	0	0	0	0	0	1	0	10
				11-27	3	9	4	0	0	0	0	0	0	2	1	2	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	9	6	1	1	0	0	0	0	2	2	3	31
2100	7	0	0	1-10	5	2	7	3	0	0	0	0	0	1	2	1	21
				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	2	7	3	0	0	0	0	1	2	3	1	24

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

CAIRO (A) — MAY 1963

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	2	3	6	7	0	0	0	3	0	0	2	4	27
				11-27	0	0	0	0	2	1	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**2**	**3**	**6**	**7**	**2**	**1**	**0**	**3**	**0**	**0**	**2**	**4**	**30**
0300	4	0	0	1-10	2	3	4	4	2	1	1	1	1	1	1	3	24
				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	**2**	**3**	**4**	**4**	**4**	**1**	**1**	**2**	**1**	**1**	**1**	**3**	**27**
0600	4	0	0	1-10	7	4	3	0	2	0	0	1	2	5	1	2	24
				11-27	0	0	0	0	0	1	0	1	1	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**4**	**4**	**3**	**0**	**2**	**1**	**0**	**2**	**3**	**5**	**1**	**2**	**27**
0900	1	0	0	1-10	4	1	1	3	0	1	0	0	3	5	3	6	27
				11-27	0	0	0	0	0	0	1	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	**4**	**1**	**1**	**3**	**0**	**1**	**1**	**0**	**5**	**5**	**3**	**6**	**30**
1200	0	0	0	1-10	2	1	1	1	0	0	2	0	1	6	6	4	25
				11-27	0	1	0	0	0	0	0	0	2	0	3	1	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**2**	**2**	**1**	**1**	**0**	**0**	**2**	**0**	**3**	**6**	**9**	**5**	**31**
1500	0	0	0	1-10	3	2	1	0	0	0	0	0	0	6	5	4	21
				11-27	0	1	1	1	0	0	0	1	0	0	3	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**	**3**	**9**	**1**	**0**	**0**	**0**	**1**	**0**	**6**	**8**	**7**	**31**
1800	3	0	0	1-10	2	4	4	1	0	0	0	0	0	1	2	2	16
				11-27	1	3	3	1	0	0	0	1	0	0	3	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**	**7**	**7**	**2**	**0**	**0**	**0**	**1**	**0**	**1**	**5**	**2**	**28**
2100	4	0	0	1-10	2	2	10	1	1	0	0	1	0	2	0	3	22
				11-27	0	0	1	1	2	1	0	0	0	0	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**2**	**2**	**11**	**2**	**3**	**1**	**0**	**1**	**0**	**2**	**0**	**3**	**27**

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

MOSTAFA HELMI (A). — MAY 1963

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												All directions
					345 / 014	015 / 044	045 / 074	075 / 104	105 / 134	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	315 / 344	
0000	1	0	0	1-10	5	2	3	2	2	1	0	1	0	0	1	0	17
				11-27	2	0	1	5	1	0	0	0	1	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	**7**	**2**	**4**	**7**	**3**	**1**	**0**	**1**	**1**	**0**	**2**	**2**	**30**
0300	2	0	0	1-10	3	3	0	4	3	0	0	0	1	1	2	4	21
				11-27	1	2	0	0	1	0	2	0	0	1	1	0	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**4**	**5**	**0**	**4**	**4**	**0**	**2**	**0**	**1**	**2**	**3**	**4**	**29**
0600	2	0	0	1-10	6	2	0	2	1	3	2	0	0	1	2	1	21
				11-27	1	0	2	0	0	2	1	0	1	0	2	0	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**7**	**2**	**2**	**2**	**1**	**5**	**3**	**0**	**1**	**1**	**4**	**1**	**29**
0900	0	1	0	1-10	5	3	1	0	2	1	1	1	0	0	3	2	19
				11-27	0	2	0	0	0	2	1	0	2	0	2	3	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**5**	**5**	**1**	**0**	**2**	**3**	**2**	**1**	**2**	**0**	**5**	**5**	**31**
1200	0	0	0	1-10	2	2	3	0	0	1	0	0	0	0	1	2	11
				11-27	1	1	0	0	0	0	0	1	0	2	4	10	19
				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	**3**	**3**	**3**	**0**	**0**	**1**	**1**	**1**	**0**	**2**	**5**	**12**	**31**
1500	0	0	0	1-10	4	2	1	0	0	0	0	1	0	1	0	3	12
				11-27	3	2	0	0	2	0	0	0	0	0	1	8	16
				28-47	0	0	0	0	0	0	0	1	0	0	2	0	3
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**7**	**4**	**1**	**0**	**2**	**0**	**0**	**2**	**0**	**1**	**3**	**11**	**31**
1800	0	0	0	1-10	0	0	1	2	1	0	0	0	0	0	0	0	4
				11-27	10	5	3	2	0	0	0	1	1	0	0	5	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**	**5**	**4**	**4**	**1**	**0**	**0**	**1**	**1**	**0**	**0**	**5**	**31**
2100	0	0	0	1-10	0	4	3	1	2	0	0	1	1	0	1	1	14
				11-27	3	1	4	3	0	1	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	**3**	**5**	**7**	**4**	**2**	**1**	**0**	**1**	**1**	**0**	**2**	**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 1963

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	5	5	7	0	6	1	0	1	0	0	1	1	27
				11-27	0	0	0	2	0	1	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**5**	**5**	**7**	**2**	**6**	**2**	**0**	**1**	**0**	**0**	**1**	**1**	**30**
0300	1	0	0	1-10	4	5	3	3	6	2	0	1	2	1	0	2	29
				11-27	0	0	0	0	0	0	1	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**4**	**5**	**3**	**3**	**6**	**2**	**1**	**1**	**2**	**1**	**0**	**2**	**30**
0600	1		0	1-10	4	5	3	0	3	0	1	2	1	1	3	4	27
				11-27	0	0	0	0	1	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**	**5**	**3**	**0**	**4**	**0**	**2**	**3**	**1**	**1**	**3**	**4**	**30**
0900	0	0	0	1-10	4	1	1	2	0	1	1	2	1	6	9	3	29
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**4**	**1**	**1**	**2**	**0**	**1**	**1**	**2**	**1**	**6**	**9**	**3**	**31**
1200	0	0	0	1-10	1	2	1	2	0	0	0	0	1	5	11	2	25
				11-27	1	0	0	0	0	0	0	2	1	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	**2**	**2**	**1**	**2**	**0**	**0**	**0**	**2**	2	7	**11**	2	**31**
1500	0	0	0	1-10	5	3	1	0	0	0	0	0	0	4	5	5	23
				11-27	0	1	2	0	0	0	1	1	0	2	0	1	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**5**	**4**	**3**	**0**	**0**	**0**	**1**	**1**	**0**	**6**	**5**	**6**	**31**
1800	0	0	0	1-10	3	6	5	3	0	0	0	0	0	0	2	4	23
				11-27	2	1	2	0	0	0	0	2	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	**5**	**7**	**7**	**3**	**0**	**0**	**0**	**2**	**0**	**0**	**3**	**4**	**31**
2100	0	0	0	1-10	3	6	8	2	0	0	0	2	0	1	3	1	26
				11-27	0	0	1	2	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**	**6**	**9**	**4**	2	**0**	**0**	**2**	**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 ABBASIYA (H.Q.) — MAY 1963

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	10	6	2	2	0	3	0	1	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	10	6	2	2	0	3	0	1	0	0	1	2	27
0300	11	0	0	1-10	9	2	2	0	0	0	1	0	2	1	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	9	2	2	0	0	0	1	0	2	1	0	3	20
0600	6	0	0	1-10	5	5	1	1	0	0	0	1	3	2	4	2	24
				11-27	0	0	0	0	0	0	0	1	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	5	1	1	0	0	0	2	3	2	4	2	25
0900	1	0	0	1-10	5	3	0	1	0	0	1	1	4	1	5	7	28
				11-27	0	0	0	0	0	0	0	2	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	3	0	1	0	0	1	3	4	1	5	7	30
1200	0	0	0	1-10	2	5	0	0	0	0	0	1	0	8	7	4	27
				11-27	0	0	0	0	0	0	2	0	1	0	1	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	5	0	0	0	0	2	1	1	8	8	4	31
1500	0	0	0	1-10	4	1	1	0	0	0	0	0	0	2	5	10	23
				11-27	0	1	1	0	0	0	0	0	0	3	1	1	7
				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	2	0	0	0	1	0	0	5	6	11	31
1800	2	0	0	1-10	5	8	2	0	0	0	0	0	0	1	1	5	22
				11-27	0	3	1	0	0	0	1	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	5	11	3	0	0	0	1	0	0	1	3	5	29
2100	1	0	0	1-10	6	8	4	2	1	0	1	0	0	0	1	6	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	8	4	2	1	0	1	0	0	0	1	6	30

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

GIZA — MAY 1963

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the radges of directions indicated												
					345 / 014	015 / 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	2	4	1	0	1	1	0	0	0	0	7	21
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	2	4	1	0	1	1	0	0	0	0	7	21
0300	10	0	0	1-10	4	2	0	1	0	1	2	0	1	2	3	5	21
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	2	0	1	0	1	2	0	1	2	3	5	21
0600	3	0	0	1-10	6	3	2	0	0	3	3	1	0	0	4	5	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	6	3	2	0	0	3	4	1	0	0	4	5	28
0900	0	0	0	1-10	4	3	0	1	0	0	4	2	1	2	3	9	29
				11-27	0	0	0	0	0	0	0	2	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	3	0	1	0	0	4	4	1	2	3	9	31
1200	0	0	0	1-10	3	2	0	1	1	2	1	0	1	1	6	8	26
				11-27	1	1	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	4	3	0	1	1	2	1	0	3	1	6	9	31
1500	1	0	0	1-10	8	2	0	1	1	0	1	0	0	1	0	9	23
				11-27	2	0	0	0	0	0	1	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	10	2	0	1	1	0	2	0	0	2	1	11	30
1800	1	0	0	1-10	4	7	3	2	0	0	0	1	0	0	1	7	25
				11-27	1	2	1	0	0	0	0	0	0	0	1	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	9	4	2	0	0	0	1	0	0	2	7	30
2100	1	0	0	1-10	7	5	9	0	2	2	0	0	0	0	1	3	29
				11-27	0	0	0	0	0	0	0	0	0	0	1	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	5	9	0	2	2	0	0	0	0	2	3	30

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

HELWAN — MAY 1963

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	5	2	4	0	0	0	1	0	0	0	0	2	14
				11-27	1	5	1	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	**6**	**7**	**5**	**1**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**3**	**24**
0300	8	0	0	1-10	7	5	1	2	1	0	0	0	0	0	1	1	18
				11-27	0	1	1	2	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	**7**	**6**	**2**	**4**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**1**	**23**
0600	7	0	0	1-10	4	5	3	0	1	0	1	0	0	0	1	3	18
				11-27	1	0	0	1	1	0	2	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**	**5**	**3**	**1**	**2**	**0**	**3**	**0**	**0**	**0**	**2**	**3**	**24**
0900	5	0	0	1-10	2	1	1	0	0	0	1	2	2	1	3	5	18
				11-27	0	1	0	0	0	1	0	1	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	**2**	**2**	**1**	**0**	**0**	**1**	**1**	**3**	**3**	**3**	**4**	**6**	**26**
1200	3	0	0	1-10	1	0	2	1	0	0	0	0	1	2	4	2	13
				11-27	2	1	0	0	0	0	0	2	1	0	4	4	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**	**1**	**2**	**1**	**0**	**0**	**0**	**2**	**3**	**2**	**8**	**6**	**28**
1500	1	0	0	1-10	5	0	1	0	0	0	0	1	0	0	2	1	10
				11-27	1	2	0	1	0	0	1	0	1	0	4	8	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	**6**	**2**	**1**	**1**	**0**	**0**	**1**	**1**	**3**	**0**	**6**	**9**	**30**
1800	0	0	0	1-10	5	2	0	0	0	0	0	0	0	0	0	2	9
				11-27	4	3	1	1	0	0	0	0	1	0	1	9	20
				28-47	0	0	0	0	0	0	0	1	0	0	1	0	2
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**9**	**5**	**1**	**1**	**0**	**0**	**0**	**1**	**1**	**0**	**2**	**11**	**31**
2100	1	0	0	1-10	4	2	1	0	0	1	0	0	0	0	0	1	9
				11-27	5	7	3	0	1	0	1	0	0	0	1	3	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**9**	**9**	**4**	**0**	**1**	**1**	**1**	**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

MINYA (A)—MAY 1963

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	12	1	0	2	1	1	1	0	1	0	0	5	24
				11-27	0	1	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	12	5	0	2	1	1	1	0	1	0	1	7	28
0300	4	0	0	1-10	6	1	0	0	0	5	0	1	0	0	3	6	22
				11-27	3	0	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	9	1	0	0	0	5	0	1	1	0	3	7	27
0600	0	0	0	1-10	5	6	2	0	1	4	2	0	1	2	2	2	27
				11-27	2	0	0	0	0	0	0	1	0	0	1	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	6	2	0	1	4	2	1	1	2	3	2	31
0900	0	0	0	1-10	2	6	2	0	0	2	3	1	0	1	0	8	25
				11-27	1	0	0	0	0	0	1	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	3	6	2	0	0	2	4	1	0	1	1	11	31
1200	0	0	0	1-10	1	3	0	1	0	2	0	0	0	0	2	9	18
				11-27	1	1	0	0	0	0	1	0	0	3	3	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	4	0	1	0	2	1	0	0	3	5	13	31
1500	1	0	0	1-10	3	4	0	0	0	1	0	1	1	0	1	3	14
				11-27	3	3	0	2	0	1	0	0	0	0	4	3	16
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	7	0	2	0	2	0	1	1	0	5	6	30
1800	2	0	0	1-10	11	6	2	0	1	0	1	0	0	2	1	1	25
				11-27	1	1	0	0	0	0	0	0	1	0	1	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	7	2	0	1	0	1	0	1	2	2	1	29
2100	7	0	0	1-10	5	1	0	0	1	1	1	0	0	1	1	4	41
				11-27	2	4	0	1	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	7	5	0	1	1	1	1	0	0	1	1	6	34

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

ASYOUT (A) MAY 1963

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 / 075	075 / 105	105 / 135	135 / 165	165 / 195	195 / 225	225 / 255	255 / 285	285 / 315	315 / 345	
0000	6	0	0	1-10	0	1	3	3	2	0	0	2	8	2	1	0	22
				11-27	0	0	0	0	1	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	1	3	3	3	0	0	2	9	3	1	0	25
0300	3	0	0	1-10	2	0	2	2	1	0	2	4	8	4	0	0	25
				11-27	0	0	0	0	1	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	2	0	2	2	2	0	2	4	10	4	0	0	28
0600	3	0	0	1-10	0	3	2	0	0	0	1	1	6	6	5	3	27
				11-27	0	0	0	0	1	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				>48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	3	2	0	1	0	1	1	6	6	5	3	28
0900	1	0	0	1-10	1	0	2	0	0	0	0	1	0	6	1	3	14
				11-27	0	0	0	0	3	1	0	0	1	6	2	2	15
				28-47	0	0	0	0	0	1	0	0	0	0	0	0	1
				>48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	2	0	3	2	0	1	1	12	3	5	30
1200	0	0	0	1-10	3	0	0	0	1	0	0	1	0	2	2	4	13
				11-27	1	0	0	1	2	1	0	1	0	6	2	3	17
				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	0	0	1	3	1	1	2	0	8	4	7	31
1500	0	0	0	1-10	2	0	0	1	1	0	1	1	0	2	2	2	12
				11-27	0	0	0	0	1	0	0	1	1	9	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	2	0	0	1	2	0	1	2	0	11	5	6	31
1800	2	0	0	1-10	0	1	1	0	0	0	0	1	4	11	3	2	23
				11-27	0	0	0	0	1	0	0	0	1	4	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	1	0	1	0	0	1	5	15	3	2	29
2100	7	0	0	1-10	0	1	0	1	1	0	0	2	12	3	1	0	21
				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	1	0	2	1	0	0	2	13	4	1	0	24

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

LUXOR (A) — MAY 1963

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	2	2	2	1	1	2	1	0	0	2	0	1	11
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	2	1	1	2	1	0	0	2	0	1	14
0300	13	0	0	1-10	1	2	1	3	0	1	1	3	2	0	0	3	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	1	2	1	3	0	1	1	3	2	0	0	4	18
0600	14	0	0	1-10	5	3	1	0	0	0	0	2	1	2	1	1	16
				11-27	0	0	0	0	0	0	0	0	0	0	1	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	3	1	0	0	0	0	2	1	2	2	1	17
0900	1	0	0	1-10	8	2	0	1	1	1	2	1	2	2	1	6	27
				11-27	1	1	0	0	0	0	0	0	0	0	0	1	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	3	0	1	1	1	2	1	2	2	1	7	30
1200	0	0	0	1-10	4	3	0	0	0	0	0	2	1	4	2	8	24
				11-27	0	0	0	0	0	0	0	0	1	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	4	3	0	0	0	0	0	2	2	4	2	14	31
1500	1	0	0	1-10	4	1	0	0	0	0	1	0	1	3	2	12	24
				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	4	1	0	0	0	0	1	0	1	5	2	16	30
1800	10	0	0	1-10	2	3	0	1	0	0	0	0	0	2	2	10	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	2	3	0	1	0	0	0	0	0	2	2	11	21
2100	14	0	0	1-10	4	4	2	0	0	0	0	0	1	2	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	4	4	2	0	0	0	0	0	1	2	0	4	17

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

ASWAN (A) — MAY 1963

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	3	0	2	1	0	0	0	0	0	0	1	18
				11-27	6	2	0	0	0	1	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	**17**	**5**	**0**	**2**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**3**	**30**
0300	4	0	0	1-10	9	4	2	0	0	1	1	0	2	0	0	1	20
				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**	**2**	**0**	**0**	**1**	**1**	**0**	**2**	**0**	**0**	**3**	**27**
0600	3	0	0	1-10	3	7	4	0	0	1	1	1	0	0	0	0	17
				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	**10**	**11**	**4**	**0**	**0**	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**28**
0900	0	0	0	1-10	1	4	3	0	0	2	3	1	1	0	0	2	17
				11-27	7	4	0	0	0	1	1	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	**8**	**8**	**3**	**0**	**0**	**3**	**4**	**1**	**1**	**0**	**0**	**3**	**31**
1200	0	0	0	1-10	1	1	2	1	1	0	0	0	1	2	0	4	13
				11-27	4	3	0	0	0	0	1	0	2	1	3	4	18
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**5**	**4**	**2**	**1**	**1**	**0**	**1**	**0**	**3**	**3**	**3**	**8**	**31**
1500	2	0	0	1-10	2	2	0	0	0	0	0	0	0	0	2	0	6
				11-27	11	3	0	0	0	0	0	1	0	0	3	4	22
				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	**13**	**3**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**5**	**4**	**29**
1800	1	0	0	1-10	8	2	0	0	0	0	0	0	0	1	3	1	15
				11-27	7	2	0	0	0	0	1	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	**15**	**4**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**3**	**6**	**30**
2100	0	0	0	1-10	5	5	1	0	1	0	0	0	0	0	1	4	17
				11-27	6	0	0	0	0	0	0	0	0	1	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	**11**	**5**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**3**	**9**	**31**

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

SIWA — MAY 1963

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	3	3	8	2	1	0	0	0	0	1	1	23
				11-27	0	1	1	0	0	0	0	0	0	0	1	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	4	4	8	2	1	0	0	0	0	2	1	26
0200	7	0	0	1-10	2	1	1	9	2	0	0	0	0	0	3	0	18
				11-27	0	1	0	0	1	1	1	0	0	0	1	1	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	1	9	3	1	1	0	0	0	4	1	24
0600	2	0	0	1-10	4	0	[illegible]	3	4	1	0	0	0	1	1	3	22
				11-27	0	0	0	2	2	0	0	1	0	0	1	1	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	0	5	5	6	1	0	1	0	1	2	4	29
0900	0	0	0	1-10	0	0	0	0	3	1	3	2	0	2	4	2	17
				11-27	0	0	0	1	6	3	0	0	0	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	0	0	0	1	9	4	3	2	0	4	4	4	31
1200	0	0	0	1-10	2	0	0	0	2	1	2	2	0	3	3	1	16
				11-27	0	0	0	0	2	2	1	0	0	3	6	1	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	0	4	3	3	2	0	6	9	2	31
1500	1	0	0	1-10	0	2	0	1	0	0	0	1	0	1	3	2	10
				11-27	1	0	0	0	1	2	1	0	0	4	7	4	20
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	2	0	1	1	2	1	1	0	5	10	6	30
1800	4	0	0	1-10	2	0	1	1	0	2	1	0	0	1	7	4	19
				11-27	4	0	0	1	0	2	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	6	0	1	2	0	4	1	0	0	2	7	4	27
2100	2	0	0	1-10	2	3	4	6	3	1	0	0	0	1	2	2	24
				11-27	1	1	1	0	0	0	1	0	0	1	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	4	5	6	3	1	1	0	0	2	2	2	29

Table A 10 · NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS BAHARIYA — MAY 1963

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 / 015	015 / 045	045 / 075	075 / 105	105 / 135	135 / 165	165 / 195	195 / 225	225 / 255	255 / 285	285 / 315	315 / 345	All directions
0000	9	0	0	1-10	3	8	0	4	1	1	1	0	0	0	0	2	20
				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	**3**	**8**	**0**	**4**	**1**	**1**	**3**	**0**	**0**	**0**	**0**	**2**	**22**
0300	19	0	0	1-10	2	2	2	1	1	0	0	0	0	0	0	1	9
				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
				≥ 4	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**2**	**2**	**2**	**1**	**1**	**0**	**0**	**1**	**2**	**0**	**0**	**1**	**12**
0600	12	0	0	1-10	1	5	0	5	1	1	1	0	0	1	0	1	16
				11-27	0	0	0	0	0	1	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	**1**	**5**	**0**	**5**	**1**	**2**	**1**	**0**	**0**	**1**	**2**	**1**	**19**
0900	3	0	0	1-10	3	3	1	1	0	2	1	0	1	1	1	4	18
				11-27	0	0	0	1	1	1	2	0	0	1	3	0	9
				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	**3**	**3**	**1**	**2**	**1**	**3**	**4**	**0**	**1**	**2**	**4**	**4**	**28**
1200	4	0	0	1-10	4	1	1	1	0	0	2	1	1	0	1	6	18
				11-27	0	1	0	0	0	1	1	0	0	2	2	1	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**	**2**	**1**	**1**	**0**	**1**	**3**	**2**	**1**	**2**	**3**	**7**	**27**
1500	3	0	0	1-10	7	3	0	1	0	0	0	0	0	1	0	5	17
				11-27	1	0	0	0	0	0	2	0	1	2	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	**8**	**3**	**0**	**1**	**0**	**0**	**2**	**0**	**1**	**3**	**2**	**8**	**28**
1800	4	0	0	1-10	8	1	0	1	0	0	0	0	1	1	3	7	22
				11-27	0	1	0	1	0	0	1	0	0	0	1	1	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**8**	**2**	**0**	**2**	**0**	**0**	**1**	**0**	**1**	**1**	**4**	**8**	**27**
2100	7	0	0	1-10	6	5	1	1	0	0	1	1	0	1	1	3	22
				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	**6**	**6**	**1**	**1**	**0**	**0**	**1**	**1**	**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

DAKHLA — MAY 1963

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	265 / 284	285 / 314	315 / 344	All directions
0000	3	0	0	1-10	2	3	0	2	2	3	5	0	0	3	3	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	2	3	0	2	2	3	5	0	0	3	3	5	28
0300	4	0	0	1-10	1	1	0	0	5	2	4	4	2	2	1	5	27
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	0	0	5	2	4	4	2	2	1	5	27
0600	0	0	0	1-10	1	1	2	6	4	4	2	1	0	1	5	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	1	1	2	6	4	4	2	1	0	1	5	4	31
0900	0	0	0	1-10	1	5	1	0	3	3	0	0	0	2	3	7	25
				11-27	1	0	0	0	0	1	1	0	0	0	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	2	5	1	0	3	4	1	0	0	2	5	8	31
1200	0	0	0	1-10	6	4	1	1	3	1	0	1	0	0	0	9	26
				11-27	0	0	0	0	0	1	0	2	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	4	1	1	3	2	0	3	0	1	1	9	31
1500	0	0	0	1-10	8	5	1	0	2	2	0	0	1	0	1	5	25
				11-27	1	0	0	0	0	0	0	1	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	9	5	1	0	2	2	0	1	1	0	2	8	31
1800	0	0	0	1-10	10	6	2	0	5	0	0	0	0	0	2	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	10	6	2	0	5	0	0	0	0	0	2	6	31
2100	3	0	0	1-10	4	1	2	1	2	3	2	2	0	1	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	4	1	2	1	2	3	2	2	0	1	5	5	28

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

KHARGA — MAY 1963

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	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
0300	23	0	0	1-10	5	1	0	0	0	0	0	0	0	0	0	1	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	6	1	0	0	0	0	0	0	0	0	0	1	8
0600	22	0	0	1-10	7	0	0	0	0	0	0	0	0	0	0	1	8
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	0	0	0	0	0	0	0	0	0	0	1	9
0900	8	0	0	1-10	10	4	1	0	0	0	2	0	0	1	0	0	18
				11-27	2	0	0	0	0	0	1	1	0	1	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	4	1	0	0	0	3	1	0	2	0	0	23
1200	5	0	0	1-10	15	4	0	0	0	0	1	0	0	1	0	0	21
				11-27	1	0	0	0	0	0	1	0	0	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	16	4	0	0	0	0	2	0	0	3	1	0	26
1500	9	0	0	1-10	14	1	0	0	0	0	1	1	0	0	0	0	17
				11-27	3	0	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	17	1	0	0	0	0	1	1	1	0	0	1	22
1800	17	0	0	1-10	9	1	0	0	0	0	0	0	0	0	0	0	10
				11-27	2	0	0	0	0	0	0	0	0	0	1	1	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	1	0	0	0	0	0	0	0	0	1	1	14
2100	20	0	0	1-10	8	0	0	0	0	0	0	0	0	0	1	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	10	0	0	0	0	0	0	0	0	0	1	0	11

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

TOR — MAY 1963

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												
					3-10 / 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	13	0	0	1-10	5	0	0	1	0	1	0	0	0	0	1	2	10
				11-27	4	0	0	0	0	0	0	0	1	0	0	3	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**9**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**1**	**0**	**1**	**5**	**18**
0300	12	0	0	1-10	3	0	0	0	0	3	0	0	0	1	4	1	12
				11-27	0	0	0	0	0	0	0	0	0	0	2	5	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**3**	**0**	**0**	**0**	**0**	**3**	**0**	**0**	**0**	**1**	**6**	**6**	**19**
0600	8	0	0	1-10	0	1	0	0	0	0	0	1	0	2	4	3	11
				11-27	0	0	1	0	0	2	0	0	0	0	3	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	**0**	**1**	**1**	**0**	**0**	**2**	**0**	**1**	**0**	**2**	**7**	**9**	**23**
0900	3	0	0	1-10	0	0	0	0	0	0	1	5	0	4	3	0	13
				11-27	0	0	0	0	0	0	1	0	0	1	11	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	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**5**	**0**	**5**	**14**	**2**	**28**
1200	0	0	0	1-10	0	0	0	0	0	0	0	2	1	2	7	0	12
				11-27	0	0	0	1	0	1	2	3	0	4	6	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**	**0**	**1**	**0**	**1**	**2**	**5**	**1**	**6**	**13**	**2**	**31**
1500	1	0	0	1-10	0	0	0	0	0	0	2	3	1	3	7	1	17
				11-27	0	0	0	0	0	0	3	0	0	0	7	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	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**3**	**1**	**3**	**14**	**4**	**30**
1800	2	0	0	1-10	2	1	0	1	0	1	5	1	1	1	7	3	23
				11-27	2	0	0	0	0	0	1	0	0	0	1	4	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**4**	**1**	**0**	**1**	**0**	**1**	**6**	**1**	**1**	**1**	**8**	**7**	**29**
2100	11	0	0	1-10	3	0	0	0	1	1	1	1	0	0	3	3	13
				11-27	1	0	0	0	0	0	1	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**	**1**	**1**	**2**	**1**	**0**	**0**	**5**	**6**	**20**

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

HURGHADA — MAY 1963

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												All directions
					345 / 014	015 / 044	045 / 074	075 / 104	105 / 134	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	315 / 344	
0000	2	0	0	1-10	0	0	0	0	0	0	0	0	2	3	9	1	14
				11-27	0	0	0	0	0	0	0	0	0	2	5	5	13
				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	0	0	0	0	0	0	0	0	2	5	14	8	29
0360	4	0	0	1-10	0	0	0	1	0	1	0	0	1	1	7	2	13
				11-27	0	0	0	0	0	0	0	0	0	2	5	6	13
				28-47	0	0	0	0	0	0	0	0	0	0	0	1	1
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	1	0	1	0	0	1	3	12	9	27
0600	3	0	0	1-10	1	0	1	0	1	3	0	1	0	0	0	3	10
				11-27	0	0	0	0	0	0	0	0	0	0	3	15	18
				28-47	0	0	0	0	0	0	0	0	0	0	0	1	0
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	1	0	1	3	0	1	0	0	3	18	28
0900	0	0	0	1-10	2	3	1	2	1	1	0	0	0	0	0	0	10
				11-27	8	2	0	0	2	0	0	0	0	0	0	8	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	10	5	1	2	3	1	0	0	0	0	0	9	31
1200	0	0	0	1-10	1	8	2	1	1	1	0	0	0	0	0	1	15
				11-27	6	3	0	0	4	1	0	0	0	0	0	2	16
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	11	2	1	5	2	0	0	0	0	0	3	31
1500	0	0	0	1-10	3	1	0	0	7	6	0	0	0	0	0	0	17
				11-27	2	0	0	0	1	1	0	0	0	0	0	9	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	5	1	0	0	8	7	0	0	1	0	0	9	31
1800	2	0	0	1-10	0	0	0	0	3	8	1	1	0	1	3	0	17
				11-28	0	0	0	0	1	2	0	0	0	0	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	0	0	0	0	4	10	1	1	0	1	5	7	29
2100	3	0	0	1-10	1	0	0	0	2	6	0	0	0	3	5	1	18
				11-27	0	0	0	0	0	1	0	0	0	1	5	2	9
				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	2	7	0	0	0	4	10	4	28

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

QUSEIR — MAY 1963

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	1	0	1	0	1	0	6	4	6	19
				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	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**6**	**6**	**9**	**23**
0300	2	0	0	1-10	0	2	0	0	0	0	0	1	0	6	5	8	22
				11-27	3	0	0	0	0	0	0	0	0	0	0	4	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**3**	**2**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**6**	**5**	**12**	**29**
0600	5	0	0	1-10	3	1	1	0	1	0	0	0	0	1	1	2	10
				11-27	7	0	0	0	0	0	0	0	0	1	0	7	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	**10**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**2**	**1**	**10**	**26**
0900	0	0	0	1-10	2	2	6	3	0	0	0	0	0	0	0	0	13
				11-27	14	2	0	0	0	0	0	0	0	0	0	2	18
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**16**	**4**	**6**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**31**
1200	0	0	0	1-10	3	5	3	7	0	0	0	0	0	0	0	0	18
				11-27	8	5	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	**11**	**10**	**3**	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**31**
1500	4	0	0	1-10	9	1	5	3	1	2	0	0	0	0	0	2	23
				11-27	3	0	0	0	0	0	0	0	0	0	0	1	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**12**	**1**	**5**	**3**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**3**	**27**
1800	17	0	0	1-10	0	0	2	1	0	0	3	0	0	2	3	2	13
				11-27	0	0	0	0	0	0	0	0	0	0	0	1	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**2**	**1**	**0**	**0**	**3**	**0**	**0**	**2**	**3**	**3**	**14**
2100	15	0	0	1-10	0	0	0	0	0	0	1	0	0	6	3	4	14
				11-27	1	0	0	0	0	0	0	0	0	0	0	1	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**6**	**3**	**5**	**16**

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — MAY 1963

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 . .	16	1007mb.	1013mb.	1000mb.	16	17.4	21.6	14.0	16	14.0
1000	16	106	155	45	16	17.0	21.6	13.4	16	13.5
850	16	1485	1530	1447	16	12.6	21.6	7.9	16	0.4
700	16	3089	3144	3046	16	3.6	8.7	−4.0	9	−7.7
600	16	4321	4390	4257	16	−4.9	−1.4	−10.8	7	−16.1
500	16	5726	5809	5635	16	−15.7	−12.7	−21.0	5	−23.8
400	16	7371	7471	7252	16	−28.2	−25.9	−32.8	2	−35.2
300	15	9374	9480	9235	15	−42.1	−38.5	−46.3	—	—
200	14	12039	12131	11851	14	53.3	−51.3	56.3	—	—
150	11	13898	13966	13785	11	57.7	−52.0	61.8	—	—
100	7	16440	16492	16397	7	63.4	−59.2	−69.3	—	—
60	4	19592	19667	19517	4	−60.8	−58.4	65.9	—	—
40	2	22200	22236	22164	2	−53.7	−53.2	54.2	—	—
30	1	24017	—	—	1	53.2	—	—	—	—
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

MERSA MATRUH (A) 1200 U.T. — MAY 1963

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 . .	17	1008mb.	1013mb.	1002mb.	17	21.6	27.0	19.5	17	14.8
1000	17	112	158	67	17	20.9	26.1	18.1	17	13.8
850	17	1500	1574	1448	17	14.2	21.4	9.9	17	−1.7
700	16	3115	3204	3058	16	4.9	9.4	0.8	8	−7.4
600	16	4353	4452	4288	16	−3.2	−0.6	8.2	7	−16.7
500	16	5768	5870	5678	16	−13.9	−10.5	−17.8	5	−23.5
400	16	7425	7535	7317	16	−26.1	−23.6	−28.7	3	−33.1
300	16	9445	9575	9395	16	40.3	−36.5	44.7	—	—
200	14	12113	12316	11934	14	−53.2	−49.8	58.6	—	—
150	12	13953	14140	13794	12	−56.7	−49.0	61.8	—	—
100	7	16487	16630	16364	7	62.0	57.3	−66.5	—	—
60	2	19638	19673	19603	2	−55.6	−55.2	−56.0	—	—
40	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Number of observation of specified pressure surfaces.

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—0000 U.T. — MAY 1963

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	994mb.	999mb.	987mb.	29	20.8	32.2	14.0	29	8.9
1000	29	86	132	35	—	—	—	—	—	—
850	29	1477	1533	1430	28	15.6	25.3	10.6	26	0.0
700	29	3092	3157	3037	29	5.1	11.2	—0.5	17	—7.7
600	29	4330	4411	4250	29	—3.2	0.2	—7.7	13	—11.0
500	29	5745	5843	5640	29	—13.3	—9.0	—17.5	10	—21.6
400	29	7406	7574	7273	29	—25.7	—22.8	—30.4	8	—31.6
300	29	9429	9566	9256	29	—39.4	—30.7	—45.3	—	—
200	28	12114	12318	11915	28	—52.9	—46.3	—58.4	—	—
150	27	13942	14125	13751	27	—58.8	—53.0	—64.7	—	—
100	24	16454	16555	16338	24	—66.6	—59.0	—72.2	—	—
60	21	19678	19706	19473	21	—59.0	—56.0	—61.1	—	—
40	16	22156	22275	22018	16	—55.2	—50.1	—60.0	—	—
30	12	24007	24121	23854	12	—52.0	—50.3	—54.0	—	—
20	10	26654	26778	26516	10	—46.6	—44.8	—49.0	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—1200 U.T. — MAY 1963

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	993mb.	999mb.	987mb.	31	29.2	39.7	23.9	31	5.0
1000	31	82	132	30	—	—	—	—	—	—
850	31	1492	1546	1443	31	16.4	25.8	9.1	27	—1.7
700	31	3106	3174	3039	31	5.6	10.2	—1.3	16	—10.2
600	31	4346	4435	4254	31	—3.2	0.0	—9.2	15	—15.6
500	31	5763	5875	5641	31	—12.7	—8.7	—17.8	7	—22.9
400	31	7425	7569	7267	31	—25.6	—21.1	—31.6	6	—38.1
300	31	9449	9640	9256	31	—38.8	—32.1	—44.6	—	—
200	30	12142	12337	11933	30	—52.0	—45.8	—57.5	—	—
150	25	13990	14244	13790	25	—57.8	—52.6	—66.2	—	—
100	24	16512	16721	16334	24	—64.2	—56.5	—70.0	—	—
60	16	19661	19729	19562	16	—57.3	—52.7	—60.4	—	—
40	8	22262	22329	22216	8	—52.2	—50.6	—55.9	—	—
30	5	24147	24210	24077	5	—48.4	—46.2	—50.3	—	—
20	2	26886	26921	26852	2	—42.9	—42.8	—43.0	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) —0000 U.T. — MAY 1963

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface	20	* 985mb.	* 990mb.	* 982mb.	20	25.4	32.0	20.5	20	3.5
1000	—	—	—	—	—	—	—	—	—	—
850	20	1488	1530	1428	20	20.4	28.8	13.7	9	— 0.6
700	20	3125	3210	3041	20	9.2	14.1	4.4	11	— 7.3
600	20	4381	4482	4289	20	— 0.4	— 3.2	— 5.5	13	—13.2
500	20	5810	5930	5674	20	—10.4	— 7.1	—16.0	7	—20 6
400	20	7491	7622	7315	20	—21.9	—18.7	—27.7	5	—29.9
300	20	9549	9689	9323	20	—36.2	—30.4	—42.9	—	—
200	20	12261	12405	11992	20	—52.7	—47.8	—57.5	—	—
150	20	14069	14234	13819	20	—64.4	—61.0	—69.4	—	—
100	18	16495	16699	16241	18	—74.5	—70.6	—79.3	—	—
60	13	19563	19811	19318	13	—62.6	—56.6	—69.0	—	—
40	9	22128	22405	21811	9	—56.0	—50.0	—64.7	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — MAY 1963

Pressure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface	18	* 985mb.	* 990mb.	* 980mb.	18	37.5	46.5	31.5	18	3.2
1000	—	—	—	—	—	—	—	—	—	—
850	18	1501	1539	1449	18	24.1	34.0	17.4	4	—12.0
700	18	3151	3233	3099	18	11.2	17.0	6.0	5	—15.0
600	18	4426	4518	4341	18	1.7	5.0	— 3.3	9	—14.1
500	17	5874	5977	5774	17	— 8.2	— 4.5	—12.7	7	—21.0
400	17	7570	7682	7458	17	—19.8	—17.6	—22.5	2	—31.6
300	16	9644	9764	9524	16	—34.0	—28.8	—38.2	—	—
200	14	12390	12534	12210	14	—51.4	—48.0	—55.3	—	—
150	13	14236	14393	14153	13	—62.5	—57.2	—66.6	—	—
100	13	16665	16877	16525	13	—72.9	—70.2	—77.8	—	—
60	10	19753	19980	19656	10	—59.0	—55.1	—63.3	—	—
40	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

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 1963

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	3611 (16)	657 (16)	— 8.6 (18)	4170	613	—	2600	740	— 5.8	10695 (13)	250 (13)	—50.1 (13)	12600	184	— 56.5	9440	299	—44.0	11200	229	290	139
Helwan . . . . (A)	3450 (29)	642 (29)	— 9.7 (16)	4420	599	— 9.7	2950	708	—	10592 (27)	257 (27)	—47.4 (27)	16462	100	— 71.3	8320	354	—30.6	13250	173	240	147
Aswan . . . . (A)	4334 (20)	603 (20)	—12.4 (11)	5890	567	12.6	3600	654	-10.8	14575 (16)	139 (16)	-67.5 (16)	16699	100	— 70.7	11660	217	—43.0	19200	64	270	130

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

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 1963

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)	3865 (16)	638 (16)	—14.0 (8)	4320	607	—16.8	3170	640	—7.7	10090 (15)	276 (15)	—45.4 (15)	12260	196	—59.2	8100	361	—32.0	11500	227	280	141
Helwan	3873 (31)	637 (31)	—11.9 (14)	4435	600	—7.8	2820	720	—11.2	10688 (29)	254 (26)	—47·9 (26)	14900	130	—65.6	8640	360	—36.1	11600	216	300	142
Aswan . . . (A)	4610 (18)	582 (18)	—	5120	548	—	3976	630		14482 (12)	146 (12)	64.8 (12)	16570	102	73.9	12280	202	—55.0	4500	590	220	108

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

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 1963

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	5	0	—	0	—	3	7	2	6	1	6	0	—	4	10	4	7	0		0	—	1	16	7
1000	0	—	1	11	1	8	1	8	1	14	1	12	1	6	0	—	1	17	3	11	3	10	0	—	3	16	9
850	0	—	0	—	1	7	0	—	0	—	0	—	1	8	1	18	3	22	4	30	2	26	3	19	1	16	20
700	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	46	7	33	3	23	5	21	0	16	29
600	0	—	0	—	0	—	0	—	0	—	0	—		—	0	—	3	46	5	38	4	34	4	30	0	16	36
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	—	3	53	5	45	5	43	3	35	0	16	44
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	77	7	44	6	53	1	47	0	16	52
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	38	5	54	5	63	2	66	0	13	59
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	58	1	76	0	—	0	4	63
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	90	0		0	—	0	2	90
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	—	—	—	—	—	—		—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	—	—	—	—	—	—		—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	—	—	—	—	—	—		—	—	—		—
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.—MAY 1963

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	14	0		3	16	2	26	3	14	0	—	0	—	0	—	0	—	0	—	0	—	4	24	0	17	18
1000	4	15	2	14	3	14	2	26	1	21	0	—	0	—	0	—	0	—	0	—	1	14	4	24	0	17	18
850	2	10	1	10	0	—	0	—	0	—	2	35	1	18	1	29	2	23	3	19	2	19	3	16	0	17	19
700	0	—	0	—	0	—	0	—	0	—	0	—	1	33	1	29	4	32	2	29	4	22	4	18	0	16	25
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	33	1	51	5	40	7	27	2	35	0	16	33
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	42	1	47	7	38	6	41	1	56	0	16	41
400	0	—	0	—	0	—	0	—	0		0	—	0	—	0	—	2	49	8	46	5	40	1	65	0	16	45
300	0	—	0	—	0	—	0		0	—	0	—	0	—	0	—	1	50	8	56	3	61	1	98	0	13	59
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	63	2	67	0	—	0	7	64
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	42	1	41	1	49	0	—	0	3	44
100		—	—	—	—	—		—		—		—		—	—	—		—	—		—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—		—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—		—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table B 8.—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 1963

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	9	10	12	3	8	1	13	0	—	0	—	2	9	0	—	0	—	1	13	0	—	1	8	5	29	9
1000	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	2	21	1	10	0	—	0	—	0		0	—	0	—	4	27	3	20	4	18	11	20	2	12	0	27	20
700	0	—	0	—	0	—	0	—	0	—	0	—	0		1	24	5	34	10	29	9	30	4	21	0	29	29
600	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	42	8	42	13	35	2	46	0	29	39
500	1	36	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	60	15	44	7	48	2	51	0	29	48
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	62	13	55	10	63	6	—	0	29	59
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	65	13	72	4	84	0	—	0	20	74
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	60	7	90	1	100	0	—	0	9	99
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	100	0	—	0	—	0	2	100
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	3	13	0	—	2	6	0	—	0	—	0	—	1	12	2	35	3	20	1	10	2	11	7	12	3	31	11
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	2	11	1	6	0	—	0	—	0	—	1	3	2	28	0	—	5	15	4	22	7	13	4	14	0	31	14
700	0	—	1	11	0	—	0	—	0	—	0	—	1	25	3	31	6	30	11	25	6	32	3	23	0	31	27
600	0	—	—	—	0	—	0	—	0	—	0	—	0	—	2	42	9	49	8	32	12	35	0	—	0	31	39
500	0	—	—	—	0	—	0	—	0	—	0	—	0	—	0	—	8	49	12	38	7	32	2	23	0	29	44
400	0	—	—	—	0	—	0	—	0	—	0	—	0	—	0	—	7	49	13	56	8	57	0	—	0	28	50
300	0	—	—	—	0	—	0	—	0	—	0	—	0	—	0	—	1	80	15	75	5	82	0	—	0	21	77
200	0	—	—	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	98	1	120	0	—	0	8	101
150	0	—	—	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	78	0	—	0	—	0	2	78
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	13	12	0	—	2	11	0	—	1	8	1	8	0	—	0	—	0	—	1	5	0	—	0		2	20	10
1000	—	—	—	—	—	—	—	—	—		—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	4	14	3	8	0	—	0	—	0		1	6	0	—	0		1	22	1	4	4	12	6	16	0	20	13
700	4	21	0	—	0	—	0	—	0	—	0	—	0	—	1	7	1	8	4	18	7	23	3	22	0	20	20
600	1	35	0	—	0	—	0	—	0	—	0	—	0	—	1	18	3	23	6	24	7	28	2	29	0	20	26
500	1	30	0	—	0	—	0	—	0	—	0		0	—	1	15	0	—	10	31	8	33	0	—	0	20	31
400	1	30	0	—	0	—	0	—	0		0	—	0	—	0	—	3	34	11	40	4	41	1	28	0	20	38
300	0	—	0	—	0	—	0	—	0	—	0	—	0		0	—	2	31	10	49	7	58	1	48	0	20	50
200	0	—	0	—	0	—	0	—	0		0		0	—	0	—	5	50	6	50	2	80	1	63	0	15	57
150	0	—	0	—	0	—	0	—	0	—	0		0	—	0	—	1	47	8	50	1	91	0	—	0	10	54
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	60	0	—	0	—	0	5	60
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	10	2	10	0	—	0	—	0	—	1	23	1	12	0	—	2	6	0	—	1	15	2	13	0	18	12
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	5	11	1	8	0	—	1	14	0	—	0	—	1	17	0	—	2	14	1	12	1	14	6	16	0	18	13
700	2	22	0	—	0	—	0	—	0	—	0	—	0	—	2	34	0	—	7	29	5	17	2	10	0	18	24
600	0	—	0	—	0	—	0	—	0	—	0	—	1	18	1	103	2	23	5	34	6	27	3	30	0	18	24
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	22	8	32	5	23	1	24	0	15	28
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	38	7	33	6	35	1	48	0	15	35
300	1	60	0	—	0	—	0	—	0	—	0	—	0	—	0	—			9	44	1	56	0	—	0	14	49
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	61	2	91	0	—	0	10	67
150	0	—	0	—	0	—	0	—	0	—	0	—	0		0	—	1	111	4	67	0	—	0	—	0	5	76
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

REVIEW OF AGRO-METEOROLOGICAL STATIONS

GIZA - MAY 1963

This month was rather warm and slightly drier as regards the normal values of air temperature and humidity at Giza for May. The mean air temperature at 2 metres above ground was above normal (+ 0.5 °C), the mean relative humidity was below normal (— 3%) and the total rainfall was below normal (-2mms.) The month was characterized by four heat waves having their peaks on the 12th., 18th., 25th and 30th. The third heat wave was the most excessive and gave the absolute maximum air temperature (41.3 °C) and the lowest value of relative humidity (10%) on the 25th.

The extreme maximum soil temperatures in the dry field at different depths were higher than the corresponding values of last May ; the maximum deviation was + 8.4 °C at 1 cm depth, and the minimum deviation was + 0.2 °C at 50 cms depth. The extreme minimum soil temperatures at 0.3, 1, 2 cms depths were lower than the corresponding values of May 1962 by-0.3,-1.2,-1.3 °C respectively. At other depths the values were higher than the corresponding values of last May ; the maximum deviation + 0.6 °C at 100 cms depth.

For the month as a whole, the daily mean wind speed at 2 metres above ground was lower by 0.5 m/sec. than the corresponding value of May 1962. The mean daily Piche evaporation, water pan evaporation, potential evapotranspiration were : — 0.6, + 0.05, - 0.6, mm. respectively than the corresponding values of last May. The total actual duration of bright sunshine was 31 hours lower than the corresponding value of May 1962.

TAHRIR - MAY 1963

This month suffered from four intense heat waves, the severest occurring on the 30th., giving the extreme maximum temperature of the month, the highest value of daily mean temperature, and the highest daily Piche and pan "A" evaporation. Sandrising and sandstorms occurred rather frequently in the second half of the month.

Comparing this month with May last year, we find that the deviations were + 0.6 °C, —4% and —0.6 mm. for mean air temperature, relative humidity, and vapour pressure respectively. As for mean Piche evaporation, pan "A" evaporation, and wind speed at two metres above round, the deviations were + 2.0 mms., —1.00 mm, and -0.2 m/sec. respectively. Sunshine duration was less than last year's by 9% of the possible duration.

The high wind speed associated with most heat waves of this month in general, and with the last one in particular, yielded high values of Piche and pan "A" evaporation which contributed especially to the Piche evaporation, since the instrument is placed at a distance from the ground while the pan is very near to it.

As for extreme soil temperatures down to one metre, the maxima were consistently higher than last year's, the deviations ranged from 3.0 °C at the surface to 0.3 °C at one metre. The minima were also higher by values from 1.9 °C at 5 cms to 0.3 °C at 20 cms.

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

GIZA - MAY 1963

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	26.5	11.4	19.1	16.7	21.4	24.0	24.0	24.0	24.0	18.5	10.0	3.0	0.0	0.0	0.0	0.0
2	28.8	13.5	20.8	16.9	22.6	24.0	24.0	24.0	24.0	21.5	13.5	7.0	0.0	0.0	0.0	0.0
3	30.5	12.6	22.6	18.7	25.0	24.0	24.0	24.0	24.0	19.5	16.5	9.5	0.0	0.0	0.0	0.0
4	33.1	14.9	24.3	21.4	27.0	24.0	24.0	24.0	24.0	24.0	18.5	11.0	6.5	0.0	0.0	0.0
5	30.2	15.2	22.0	19.8	24.2	24.0	24.0	24.0	24.0	24.0	14.0	8.0	0.0	0.0	0.0	0.0
6	28.0	14.4	21.8	19.5	23.3	24.0	24.0	24.0	24.0	23.0	16.0	7.0	0.0	0.0	0.0	0.0
7	30.3	17.9	23.3	21.4	25.6	24.0	24.0	24.0	24.0	24.0	18.5	8.0	0.0	0.0	0.0	0.0
8	29.5	16.5	22.0	19.4	23.7	24.0	24.0	24.0	24.0	24.0	14.5	7.0	0.0	0.0	0.0	0.0
9	29.3	15.6	21.6	19.6	23.3	24.0	24.0	24.0	24.0	24.0	15.5	5.5	0.0	0.0	0.0	0.0
10	28.8	15.6	21.9	19.0	23.7	24.0	24.0	24.0	24.0	24.0	15.0	8.0	0.0	0.0	0.0	0.0
11	31.5	14.2	23.9	20.5	26.0	24.0	24.0	24.0	24.0	22.5	18.0	10.5	1.0	0.0	0.0	0.0
12	38.9	18.0	29.0	22.0	31.3	24.0	24.0	24.0	24.0	24.0	18.5	16.5	14.0	6.5	0.0	0.0
13	32.6	19.6	26.9	30.6	27.8	24.0	24.0	24.0	24.0	24.0	23.5	19.0	4.0	0.0	0.0	0.0
14	29.9	17.5	22.6	20.4	24.5	24.0	24.0	24.0	24.0	24.0	16.5	8.0	0.0	0.0	0.0	0.0
15	30.9	14.4	25.2	19.0	25.8	24.0	24.0	24.0	24.0	23.5	17.0	10.	0.5	0.0	0.0	0.0
16	32.0	14.4	24.1	20.7	26.5	24.0	24.0	24.0	24.0	23.5	20.5	10.5	4.0	0.9	0.0	0.0
17	32.7	15.2	24.8	20.7	27.3	24.0	24.0	24.0	24.0	24.0	17.5	12.5	7.0	0.0	0.0	0.0
18	38.6	14.6	27.1	24.2	31.1	24.0	24.0	24.0	24.0	24.0	17.5	13.5	10.0	6.0	0.0	0.0
19	29.0	18.1	22.4	22.9	24.0	24.0	24.0	24.0	24.0	22.5	16.0	7.0	0.0	0.0	0.0	0.0
20	28.1	13.9	21.7	18.3	23.2	24.0	24.0	24.0	24.0	24.0	15.5	8.0	0.0	0.0	0.0	0.0
21	31.7	14.3	25.0	21.0	26.7	24.0	24.0	24.0	24.0	24.0	20.5	14.5	3.5	0.0	0.0	0.0
22	34.6	19.4	26.6	25.2	29.7	24.0	24.0	24.5	24.0	24.0	22.0	11.5	7.5	0.0	0.0	0.0
23	30.1	15.8	23.3	19.6	24.9	24.0	24.0	24.5	24.0	23.5	16.5	10.5	0.0	0.0	0.0	0.0
24	35.9	17.9	27.3	22.8	29.0	24.0	24.0	24.0	24.0	23.5	21.5	15.5	9.0	2.0	0.0	0.0
25	41.3	20.5	30.2	27.0	34.4	24.0	24.0	24.0	24.0	24.0	24.0	19.0	11.5	9.0	1.0	0.0
26	31.8	18.5	24.3	22.0	26.1	24.0	24.0	24.0	24.0	24.0	18.0	9.5	3.0	0.0	0.0	0.0
27	30.7	16.5	23.6	21.6	25.3	24.0	24.0	24.0	24.0	24.0	18.0	9.0	0.5	0.0	0.0	0.0
28	30.5	17.3	23.3	21.6	24.8	24.0	24.0	24.0	24.0	24.0	17.5	8.5	0.0	0.0	0.0	0.0
29	31.6	15.7	24.2	20.6	25.8	24.0	24.0	24.0	24.0	24.0	18.0	13.5	2.5	0.0	0.0	0.0
30	40.3	20.2	31.2	24.7	33.7	24.0	24.0	24.0	24.0	24.0	24.0	17.0	13.0	10.0	0.5	0.0
31	35.0	19.8	29.1	28.2	32.4	24.0	24.0	24.0	24.0	24.0	24.0	15.0	9.5	5.5	0.0	0.0
Total						744.0	744.0	744.0	744.0	728.0	556.5	333.0	107.0	39.0	1.5	0.0
Mean	32.2	16.2	24.3	21.4	26.4	24.0	24.0	24.0	24.0	23.5	18.0	17.4	3.4	1.3	0.05	0.0

Highest maximum at 2 metres 41.3 °C on 25th. Highest minimum at 2 metres 20.5 °C on 25th.

Lowest maximum at 2 metres 26.5 °C on 1st. Lowest minimum at 2 metres 11.4 °C on 1st.

Absolute minimum temperature at 5 cms. Above dry soil 7.1 °C on 1st

" " " " wet soil 8.1 °C on 1st

" " " grass 5.2 °C on 1st

Table C 1.– AIR TEMPERATURES AT 2 METRES ABOVE GROUND : ABSOLUTE MINIMUM AIR TEMPERATURES AT 5cms ABOVE GROUND OVER DIFFERENT FIELDS

TAHRIR MAY 1963

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	26.4	11.7	18.5	15.5	21.0	24.0	24.0	24.0	24.0	17.5	9.0	0.0	0.0	0.0	0.0	0.0
2	28.6	12.3	19.7	15.4	22.6	24.0	24.0	24.0	24.0	17.0	11.0	6.0	0.0	0.0	0.0	0.0
3	31.6	12.1	21.0	16.1	24.1	24.0	24.0	24.0	24.0	17.5	12.5	8.5	0.0	0.0	0.0	0.0
4	32.0	15.1	23.2	19.3	26.6	24.0	24.0	24.0	24.0	24.0	13.5	9.5	3.5	0.0	0.0	0.0
5	30.8	16.2	21.3	18.5	23.9	24.0	24.0	24.0	24.0	24.0	12.0	6.0	0.0	0.0	0.0	0.0
6	29.6	14.2	21.1	17.6	23.3	24.0	24.0	24.0	24.0	23.0	13.0	6.5	0.0	0.0	0.0	0.0
7	29.4	16.6	21.6	19.1	23.9	24.0	24.0	24.0	24.0	24.0	12.5	6.5	0.0	0.0	0.0	0.0
8	28.2	15.0	20.5	17.3	22.9	24.0	24.0	24.0	24.0	24.0	12.0	5.0	0.0	0.0	0.0	0.0
9	28.3	15.8	21.1	18.0	23.6	24.0	24.0	24.0	24.0	24.0	12.5	6.0	0.0	0.0	0.0	0.0
10	28.8	15.1	21.1	17.8	23.6	24.0	24.0	24.0	24.0	24.0	13.0	6.5	0.0	0.0	0.0	0.0
11	32.1	14.2	23.0	17.3	26.0	24.0	24.0	24.0	24.0	23.5	16.5	10.0	1.0	0.0	0.0	0.0
12	37.8	18.3	27.7	21.2	30.6	24.0	24.0	24.0	24.0	24.0	18.0	15.5	9.0	7.0	0.0	0.0
13	29.6	18.2	24.2	27.0	25.0	24.0	24.0	24.0	24.0	24.0	20.0	10.0	0.0	0.0	0.0	0.0
14	29.5	15.8	21.5	18.7	23.9	24.0	24.0	24.0	24.0	24.0	12.5	6.5	0.0	0.0	0.0	0.0
15	30.1	15.7	22.1	17.8	25.0	24.0	24.0	24.0	24.0	24.0	14.0	8.0	0.0	0.0	0.0	0.0
16	31.3	14.7	22.5	18.5	25.3	24.0	24.0	24.0	24.0	23.5	14.0	9.0	0.5	0.0	0.0	0.0
17	33.4	14.8	23.8	18.3	27.3	24.0	24.0	24.0	24.0	23.5	16.0	11.5	6.5	0.0	0.0	0.0
18	39.4	16.0	26.2	19.8	30.9	24.0	24.0	24.0	24.0	24.0	17.5	11.5	8.5	5.0	0.0	0.0
19	27.0	16.8	21.5	21.1	23.2	24.0	24.0	24.0	24.0	24.0	12.5	5.0	0.0	0.0	0.0	0.0
20	30.3	14.6	21.1	17.3	23.6	24.0	24.0	24.0	24.0	23.0	13.0	6.5	0.0	0.0	0.0	0.0
21	31.7	14.0	23.3	17.6	25.9	24.0	24.0	24.0	24.0	21.0	17.0	11.0	2.5	0.0	0.0	0.0
22	33.2	16.5	24.1	21.7	27.2	24.0	24.0	24.0	24.0	24.0	16.5	9.0	5.5	0.0	0.0	0.0
23	29.4	16.4	22.3	19.2	24.3	24.0	24.0	24.0	24.0	24.0	14.5	8.0	0.0	0.0	0.0	0.0
24	35.2	14.9	24.9	18.8	27.9	24.0	24.0	24.0	24.0	24.0	17.0	13.5	7.0	0.0	0.0	0.0
25	40.2	16.9	28.7	24.9	33.1	24.0	24.0	24.0	24.0	24.0	23.0	12.0	9.0	7.0	0.0	0.0
26	32.1	18.3	23.5	20.3	26.0	24.0	24.0	24.0	24.0	24.0	15.5	8.0	3.5	0.0	0.0	0.0
27	31.2	16.2	22.7	19.2	25.1	24.0	24.0	24.0	24.0	24.0	15.5	8.5	0.5	0.0	0.0	0.0
28	30.2	15.8	22.2	19.3	24.4	24.0	24.0	24.0	24.0	24.0	14.5	7.5	0.0	0.0	0.0	0.0
29	32.2	15.9	23.7	19.2	25.8	24.0	24.0	24.0	24.0	24.0	16.5	11.0	3.5	0.0	0.0	0.0
30	41.2	20.4	29.6	22.8	33.0	24.0	24.0	24.0	24.0	24.0	24.0	16.5	10.5	7.0	3.5	0.0
31	37.1	21.0	27.9	26.6	30.7	24.0	24.0	24.0	24.0	24.0	24.0	14.0	8.0	3.5	0.0	0.0
Total						744.0	744.0	744.0	744.0	714.5	473.0	273.0	79.0	29.5	3.5	0.0
Mean	31.9	15.9	23.1	19.1	25.8	24.0	24.0	24.0	24.0	23.0	15.3	8.8	2.5	1.0	0.1	0.0

Highest maximum at 2 metres 41.2°C on 30th.

Highest minimum at 2 metres 21.0°C on 31st.

Lowest maximum at 2 metres 26.4°C on 1st.

Lowest minimum at 2 metres 11.7°C on 1st.

Absolute minimum temperature at 5 cms. above dry soil 9.5 °C on 3th.

" " " " 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 — MAY 1963

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	2.2	1.5	3.2	617	11.6	13.3	87	0	4	61	30	8.9	7.0	14.2	8.20	0.0
2	1.8	1.6	2.0	609	10.3	13.3	77	0	5	33	27	8.2	6.9	14.1	9.52	0.0
3	1.4	1.4	1.4	331	3.2	13.4	24	0	2	37	18	6.8	5.4	16.8	—	0.0
4	2.0	1.5	2.6	572	11.6	13.4	87	0	0	38	30	9.1	10.2	18.5	10.10	0.0
5	3.0	3.1	2.9	609	11.7	13.4	87	2	6	60	33	10.5	9.4	16.3	11.75	0.0
6	2.6	2.5	2.7	535	10.0	13.4	75	0	4	56	33	10.1	8.5	16.2	7.86	Tr.
7	3.2	2.3	4.6	599	11.2	13.4	84	0	0	63	31	11.4	9.7	18.3	12.04	0.0
8	3.3	3.2	3.3	635	11.6	13.5	86	0	7	63	33	11.1	9.2	15.7	11.56	0.0
9	2.8	2.2	3.8	598	11.2	13.5	83	0	5	62	36	11.2	10.2	14.4	11.18	0.0
10	1.9	1.5	2.3	629	10.7	13.5	79	0	6	57	26	9.6	7.0	19.7	9.04	0.0
11	1.3	1.4	1.2	458	6.0	13.6	44	0	3	50	26	10.1	8.3	12.9	7.44	0.0
12	1.1	0.4	2.1	359	4.3	13.6	32	0	0	30	16	8.6	7.7	27.0	11.86	Tr.
13	3.2	2.1	4.8	578	10.6	13.6	78	0	0	56	31	11.8	10.5	19.3	12.53	0.0
14	3.1	2.8	3.5	603	10.4	13.6	76	0	6	58	25	9.7	7.5	16.9	12.00	0.0
15	2.4	1.6	3.6	646	12.2	13.6	90	0	0	38	24	8.0	7.4	20.6	13.08	0.0
16	2.2	1.8	2.9	636	12.2	13.6	90	0	0	52	22	9.8	7.4	19.3	11.66	0.0
17	2.1	2.0	2.3	624	12.4	13.7	91	0	2	47	25	10.1	8.5	19.6	11.50	0.0
18	1.6	1.6	1.5	613	12.4	13.7	91	0	1	37	15	9.0	7.4	18.7	10.84	0.0
19	3.6	2.8	4.6	656	12.6	13.7	92	0	5	61	35	10.8	9.8	16.8	10.69	0.0
20	2.1	1.7	2.6	617	11.3	13.8	82	0	2	56	38	10.5	9.7	15.5	9.44	0.0
21	2.2	1.9	2.7	604	11.4	13.8	83	0	3	31	22	7.2	6.7	26.4	16.61	0.0
22	3.7	1.9	6.1	547	10.0	13.8	72	0	0	42	19	8.6	7.6	25.3	13.36	0.0
23	2.8	3.2	2.3	640	11.2	13.8	81	0	6	51	28	9.8	8.2	16.6	10.44	0.0
24	1.9	1.7	2.3	487	8.8	13.8	64	0	0	36	20	9.1	8.1	22.4	12.71	0.0
25	3.0	1.1	5.6	508	6.7	13.8	49	0	0	37	10	8.8	5.8	32.2	16.70	0.0
26	3.0	3.1	2.9	598	11.8	13.8	86	0	7	62	39	12.8	12.2	15.7	9.10	0.0
27	2.9	2.8	3.1	654	12.5	13.9	90	0	3	52	30	10.3	9.2	17.7	11.63	0.0
28	2.4	2.0	3.0	679	11.8	13.9	85	0	4	61	27	10.5	8.2	15.4	11.99	0.0
29	1.8	1.6	2.1	625	11.5	13.9	83	0	3	52	32	11.0	10.0	15.5	10.95	0.0
30	2.8	1.4	4.8	475	7.0	13.9	50	0	0	32	13	8.8	6.8	33.2	16.78	0.0
31	2.4	1.2	3.9	577	11.0	13.9	79	0	0	37	13	8.9	6.4	26.6	15.02	0.0
Total	—	—	—	17918	321.2	422.9	2357	2	84	—	—	—	—	592.8	347.58	Tr.
Mean	2.4	2.0	3.1	578	10.4	13.6	76	0	3	49	26	9.7	8.3	19.2	11.59	Tr.

Maximum amount of rainfall in one day	Tr.	mms.	on	6, 12th
Lowest value of relative humidity	10	%	on	25th
Highest value of vapour pressure	14.7	mms.	on	26th.
Lowest value of vapour pressure	4.8	mms.	on	3rd.

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 — MAY 1963

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		mount 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	3.0	2·0	4.5	730	12.3	13.4	92	4	9	70	35	10.0	8.2	13.1	7.25	0.0
2	2.7	2·6	2.8	680	10.0	13.4	75	5	8	64	25	9.2	6.7	13.5	8.93	0.0
3	2.3	2·1	2.7	402	2.0	13.4	51	3	5	54	18	8.2	5.8	17.7	9.48	0.0
4	3.9	3.2	4.9	688	11.8	13.4	88	0	1	52	24	9.5	8.1	19.0	12.07	0.0
5	3.6	3.6	3.6	688	10.3	13.4	77	4	10	74	34	11.8	9.6	12.7	9.00	0.0
6	2.6	2.8	2.3	639	9.4	13.5	69	4	7	66	37	11.1	9.6	12.6	9.02	0.0
7	4.2	3.6	5.0	640	9.6	13.5	71	0	10	70	38	12.2	11.1	15.6	9.86	0.0
8	3.0	2.4	3.8	705	11.9	13.5	88	5	9	66	34	10.8	9.2	14.8	10.00	0.0
9	3.5	2.5	4.7	720	12.4	13.6	91	1	8	66	36	11.3	9.9	15.9	10.50	0.0
10	2.9	2.5	3.6	730	12.1	13.6	89	0	8	62	33	10.4	8.5	14.9	9.67	0.0
11	2.0	2.0	1.9	602	8.0	13.6	59	2	7	54	24	10.2	7.6	19.8	11.18	0.0
12	4.2	3.9	4.6	417	3.6	13.6	26	0	0	39	15	8.5	6.5	34.4	17.56	0.0
13	4.9	4.0	6.3	673	10.5	13.6	77	0	6	72	43	13.6	12.8	14.4	10.11	0.0
14	3.8	3.2	4.7	765	12.2	13.6	90	6	7	67	28	10.6	8.1	19.1	11.94	0.0
15	3.4	2.0	5.0	750	12.3	13.7	90	0	0	45	26	8.5	7.9	21.6	13.79	0.0
16	3.6	3.0	4.3	740	12.6	13.7	92	0	2	52	24	9.2	7.5	20.0	12.12	0.0
17	3.0	2.7	3.5	738	12.7	13.7	93	2	6	49	25	10.2	8.6	20.6	12.69	0.0
18	3.2	3.1	3.6	711	12.6	13.8	91	0	6	50	12	9.8	6.0	24.5	14.00	0.0
19	4.8	4.5	5·2	745	12.6	13.8	91	0	6	64	40	10.8	9.8	16.6	10.95	0.0
20	3.0	2.8	3.4	694	11.8	13.8	86	0	6	66	34	11.4	9.6	12.4	8.17	0.0
21	3.1	2.2	4.4	695	10.5	13.8	76	4	7	46	23	9.3	7.3	26.3	14.71	Tr.
22	6.1	3.8	9.2	567	6.5	13.8	47	0	9	47	24	9.7	9.1	35.3	15.00	0.0
23	4.3	4.7	3.8	740	10.9	13.8	79	0	7	59	28	10.3	8.3	16.5	9.94	0.0
24	2.9	2.2	4.0	631	8.6	13.8	62	0	5	50	22	10.7	8·9	26.0	14.51	0.2
25	5.2	3.7	7.2	613	8.2	13.9	59	0	3	54	12	10.3	6.7	37.3	18.94	0.0
26	3.6	3.4	3.7	738	11.5	13.9	83	0	9	66	30	12.1	10.2	15.9	9.92	0.0
27	3.5	2.7	4.3	774	12.6	13.9	91	5	8	68	29	11.9	8.8	17.2	11.37	0.0
28	3.5	2.6	4.4	750	11.3	13.9	81	3	7	65	35	11.9	10.4	16.4	10.18	0.0
29	2.4	2.4	2.4	716	11.1	13.9	80	0	7	62	37	12.8	11.4	16.3	8.95	0.0
30	5.4	3.8	7.5	500	5.2	14.0	37	0	2	41	12	9.9	6.8	43.1	21.48	Tr.
31	3.7	2.2	5.8	690	9.9	14.0	71	0	0	46	22	10.8	9.3	28.1	17.52	0.0
Total	—	—	—	20871	317.0	424.0	—	48	176	—	—	—		631.6	370.81	0.2
Mean	3.6	3.0	4.4	673.3	10.2	13.7	75	1.5	5.7	58	28	10.5	8.7	20.4	11.96	Tr.

Maximum amount of rainfall in one day	0.2	mms.	on	24th
Lowest value of relative humidity	10	%	on	25th
Highest value of vapour pressure	15.0	mms.	on	25/26th
Lowest value of vapour pressure	5.8	mms.	on	3rd

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

GIZA — MAY 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	67.2	12.2	35.6	12.3	36.5	14.0
1	64.0	12.8	31.6	12.7	29.6	15.7
2	59.2	13.2	31.0	12.9	29.3	16.1
5	43.5	18.9	29.0	14.7	27.8	17.7
10	36.5	22.8	27.5	16.9	26.0	18.8
20	31.6	25.4	25.3	18.9	24.5	20.2
50	29.4	25.8	22.9	20.3	23.5	20.6
100	27.3	24.8	22.0	20.9	22.1	20.1
200	24.9	23.6	20.8	20.1	21.2	20.1
300	24.0	23.6	—	—	—	—

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

TAHRIR — MAY 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	55.6	13.0	—	—	—	—
1	52.4	13.8	—	—	—	—
2	51.2	12.6	—	—	—	—
5	45.5	16.8	—	—	—	—
10	38.9	19.4	—	—	—	—
20	33.3	22.2	—	—	—	—
50	29.2	23.7	—	—	—	—
100	26.9	23.7	—	—	—	—
200	24.7	22.7	—	—	—	—
300	23.8	22.4	—	—	—	—
600	23.9	23.8	—	—	—	—

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

GIZA — MAY 1968

10 Knots or more	29 Days	30 Knots or more	0 Days
15 ,, ,, ,,	19 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	3 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	0 ,,	The highest gust 40 knots on 12th	

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

TAHRIR — MAY 1968

10 Knots or more	31 Days	30 Knots or more	2 Days
15 ,, ,, ,,	23 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	10 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	4 ,,	The highest gust 43 knots on 22nd	

THE ARAB REPUBLIC OF EGYPT

MONTHLY WEATHER REPORT

VOLUME 6 NUMBER 6

JUNE, 1963

U.D.C. 551 506.1 (62)

METEOROLOGICAL DEPARTMENT
CAIRO

CONTENTS

	PAGE
General Summary of Weather Conditions	1-3

Surface Data

TABLE A 1.—Monthly mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level	4,5
" A 2.—Monthly Mean Values of the Dry Bulb, Wet Bulb Temperatures and the Relative Humidity at Fixed Hours	6,7
" A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity	8,9
" A 4.—Maximum and Minimum Air Temperatures	10,11
" A 5.—Rainfall and Snow Depth	12,13
" A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum	14
" A 7.—Soil Temperatures at Fixed Hours	15-18
" A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena	19,20
" A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges	21,23
" A10.—Number of Occurrences of Concurrent Surface Wind speed and Direction Observed within Specified Ranges at the Synoptic Hours	24-49

Upper Air Data

TABLE B 1.—Upper Air Climatological Data	50-52
" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air	53,54
" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces	55-60

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir	61
TABLE C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields	62,63
" C 2.—Wind Speed, (Solar — Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall	64,65
" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields	66
" C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity	67

Note.—For explanatory notes on the tables, please refer to volume 6, number 1 (January 1963).

GENERAL SUMMARY OF WEATHER CONDITIONS

JUNE 1963

Normal weather of the Summer type intervened with excessively hot spells. Light rain over few scattered localities on the 3rd, 4th & 5th. Early morning mist or fog west Cairo area. Fresh winds over Red Sea coast most of the month.

THE MAIN FEATURES

— Three variant heat waves within the 1st, 3rd & 4th weeks, the most excessive in intensity of which was the second over the Northern and Middle parts of the Republic.

— Generally high relative humidity values in the northern parts, oscillatory & mostly moderate in the central parts and low in the southern parts.

—Light showers (traces) over few scattered localities on the 3rd, 4th & 5th.

— Two transitory desert depressions within the 1st week and three deepening processes in the complex monsoon low over Iraq & Arabia during the rest part of the month.

— Early morning mist over western parts of Cairo area most days of the month.

— Fresh/strong winds over scattered localities in the northern parts during the 1st decade and over the Red Sea Coast most of the month.

GENERAL DESCRIPTION OF WEATHER

During this month, the prevailing weather was generally mild over the Northern parts of the Republic where maximum temperature ranged between 26°C & 31°C with the exception of an excessive hot spell which prevailed on both 16th & 17th. Over the middle parts, the prevailing weather was hot in general with maximum temperature ranging between 32 °C & 38 °C, though two excessive heat waves were experienced during the 1st & 3rd weeks, and attained their peaks round the 7th & 18th respectively - Excessive hot weather prevailed over the Southern parts most of the month and maximum temperature ranged between 38 °C & 44 °C, though it attained two prolonged peaks round periods (4th-8th) & (27th-29th).

Prevailing weather phenomena were few and confined in, light showers over few scattered localities on the 3rd, 4th & 5th, early morning mist over Cairo West and fresh winds over scattered localities in both Mediterranean & Red Sea coasts most of the 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					
	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	1012.0	0.0	28.4	—0.2	19.6	—0.7	24.0	—0.4	70	— 1	Tr.	0.0
Lower Egypt	1011.5	+0.2	32.5	—0.9	17.9	—0.3	25.2	—0.6	56	— 7	0.0	0.0
Cairo Area	1010.8	+0.2	35.1	+0.2	19.8	+0.2	27.4	+0.2	42	— 7	0.0	—0.2
Upper Egypt	1008.7	—0.2	38.9	+0.5	21.6	+0.6	30.2	+0.6	31	— 3	0.0	0.0
Western Desert	1009.9	—1.3	38.4	+1.1	21.1	—0.1	26.6	+0.5	23	—10	0.0	—0.1
Red Sea	1007.4	+0.2	34.1	+1.2	23.6	0.0	29.8	+0.6	46	— 7	0.0	0.0

Note : The above monthly district means for atmospheric pressure and relative humidity are computed from the corresponding means for all stations that take daily 24 hourly observations in each district .

PRESSURE DISTRIBUTION

During this month the outstanding features of the pressure distribution over the surface map can be summarized in.

— The anticyclonic high perssure belt over the Mediterranean and adjacent northern parts of Africa, southern parts of Urasia.

— The Complex Monsoon Low pressure system over Iraq Arabia & Sudan.

— The Complex Monsoon Low pressure system over Great Sahara of Africa.

In the upper levels on the other hand the prevailing pressure distributions at both 700 & 500 mbs levels showed no significant changes through the month and were confined in the following.

— The Subtropical high pressure belt extending between 10 °N & 40 °N latitudes.

— The vast and the rather complex upper Low pressure system to its north which showed two upper troughs the first NW Spain and the second north of the Black Sea.

For the month as a whole, the barometric pressure over Egypt showed four consecutive oscillations. The first oscillation covered the 1st week and occurred as a result of two successive transits of two desert depressions which originated over Tunisia, proceeded southeastwards, then passed by Gulf of Serte round the 3rd & 5th respectively and finally traversed the northern and middle parts of Egypt round the 4th & 6th respectively. The rest three oscillations occurred as a result of the slight deepening in the dominating complex monsoon low pressure system over Iraq, Arabia & Sudan round the 14th, 24th & 29th. It is worth to mention that the barometric pressure due to these deepening prosesses fell to normal values over the northern parts of the Republic and to subnormal values elsewhere.

During the whole month, the subtropical jet stream was evident in the upper troposphere charts round the 188 mb level oscillating between 16 & 37 °N.

The highest wind speeds recorded at Mersa Matruh, Helwan and Aswan were 170, 150, 100 Knots on the 11th, 19th and 3rd at the levels of 120, 195 & 295 mb respectively.

SURFACE WIND

The prevailing winds were generally light/moderate Northerly ranging between NE ly in the Northern parts to NW ly in the Southern parts of the Republic. As an exception during the 1st week S/SE ly winds blew far in advance of the travelling Desert depressions, and SW ly winds blew in their rear. Fresh / strong winds belw over scattered localities in the Northern parts during few scattered days of the 1st week and over the Red Sea Coasts most of the month. Calms were outstanding over the Upper Egypt district most night and early morning intervals.

Gales were reported at Helwan on the 1st.

TEMPERATURE

Maximum temperature oscillated slightly round its normal over the Northern parts of the Republic and its values ranged between 26 °C & 31 °C with the exception of the period (15th-17th) which was characterized with excessive temperatures.

Three excessive heat waves prevailed over the middle parts of the Republic and reached their peaks round the 7th, 17th & 27th and were of moderate durations. Over the Southern parts of the Republic their prevalence were of prolonged durations and practically maximum temperatures were excessive the whole month.

The absolute maximum temperature for the Republic was 49.3 °C reported at Kharga on the 6th.

Minimum temperature was changeable in general and of moderate variability round normal over the Northern and Southern parts of the Republic where its values ranged between 15°C& 21°C and between 22°C & 28 °C respectively. Over the middle parts of the Republic variability in minimum tempe-

rature round normal was small and its values ranged between 18 °C & 22 °C. As an exception minimum temperature exceeded these ranges on 17th in the Northern parts and on the 7th & 18th in the middle parts and on the 8th, 29th & 30th in the Southern parts of the Republic.

The alsolute minimum temperature for the Republic was 12.8 °C reported at Sakha on the 4th.

PRECIPITATION

The month was almost dry and rainless if we excluded light showers which fell over few scattered localities.

MISCELLANEOUS WEATHER PHNOMENA

Rain fell at : Mersa Matruh on the 3rd and Ras El Hikma on the 5th.

Mist patches developed at : Salloum on the 6th, 22nd and 28th ; Mersa Matruh on the 12th, 13th, 25th, 26th & 27th, Ras El Hikma on the 18th ; Alexandria on the 6th, 11th, 12th 26th & 28th ; El Arish on the 16th & 27th ; Ghazza on the 15th, 28th & 30th ; Tahrir on the 2nd, 3rd, 9th, 10th, 11th, 12th, 14th, 22nd, 26th & 30th ; Zagazig on the 24th ; Abu Sueir on the 4th, 6th, 8th, 9th 12th, 16th, 23rd, 24th, 25th, 26th, 27th & 28th ; Zaher on the 19th, 24th, 26th & 29th ; Inshas on the 8th, 13th, 16th, 22nd, 25th & 28th ; Fayed on the 28th ; Kabrit on the 7th ; Cairo (A) on the 8th, 16th, 19th, 25th, 26th, 28th, 29th & 30th ; Mostafa Helmi on the 2nd, 3rd, 4th, 6th, 8th, 10th, 11th, 12th, 13th, 14th, 20th, 21st, 23rd, 24th, 25th, 26th & 27th ; Almaza on the 9th, 13th, 20th, 25th, 26th, 28th, 29th & 30th ; Abbasia on the 16th, 23rd, 24th, 27th & 30th ; Imbaba on the 24th & 30th ; Giza on the 23rd & 30th; Minya on the 1st, 4th, 5th, 7th & 30th ; and at Tor on the 1st, 6th, 7th, 11th, &13th.

Fog patches developed at : Mersa Matruh on the 6th ; Alexandria on the 16th ; El-Arish on the 28th & 29th ; Ghazza on the 14th ; Mansoura on the 16th ; Tahrir on the 6th, 16th, 24th 25th, 27th, 28th & 29th ; Zagazig on the 30th, Inshas on the 9th, 23rd, 24th, 27th & 30th ; Cairo A on the 9th, 23rd, 24th & 27th ; Mostafa Helmi on the 9th ; 19th, 22nd, 28th, 29th 30th ; and Almaza on the 23rd, 24th & 27th.

Local rising sand or dust was reported at : Sallum on the 4th & 17th ; Mersa Matruh on the 1st, 3rd, 4th, 6th, 8th, 9th, 16th & 17th ; Ras El-Hikma on the 4th ; Dabaa on the 1st, 4th, 5th, 6th, 7th, 8th & 18th ; Rosetta on the 4th ; El Arish on the 1st, 4th, & 18th, Mansoura, Banha & Tahrir on the 7th ; Abu Sueir on the 1st, 4th, 5th, 6th, 7th & 18th ; Zaher on the 4th, 5th & 7th ; Inshas on the 4th, 5th, 6th & 7th ; Fayed on the 4th, 5th, 7th & 18th ; Kabrit on the 4th, 5th & 7th ; Cairo A on the 4th, 5tih, 6th & 7th ; Mostafa Helmi on the 1st, 2nd, 4th, 5th, 6th, 7th, 8th, 13th, 14th, 15th, 18th, 19th, 20th, 23rd & 30th ; Almaza & Abbasiya on the 4th & 7th ; Imbaba on the 4th, 7th & 12th ; Helwan on the 4th, Minya on the 4th, 7th, 12th, 13th & 19th ; Asyout on the 1st, 7th, 8th, 11th, 12th & 15th ; Luxor on the 19th, Aswan on the 1st, 8th, 9th, 10th, 16th & 29th ; Siwa on the 3rd, 4th & 6th ; Baharia on the 4th, 5th, 6th & 7th ; Farafra on the 4th 5th, 6th, 7th & 8th, Dakhla on the 4th & 14th ; Kharga on the 1st, 8th, 14th, 15th & 16th ; Abu Redes on the 1st, 11th & 12th, Tor on the 13th & 15th, Hurghada on the 1st, 8th & 15th ; Quseir on the 1st, 2nd, 4th, 5th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 19th, 20th, 21st, 22nd, 26th & 28th.

Sand or duststorms blew over : Mersa Matruh and Dabaa on the 4th and over Aswan on the 9th.

Cairo, September 1971

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 1963

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	1011.6	—	1012.2	— 0.2	1012.0	— 0.2	1012.0	— 0.3	5.2	1012.1	—	1012.7	0.2	1012.5	— 0.2	1012.5	— 0.3
	Sidi Barrani	22.8	1009.8	+ 0.3	1010.3	+ 0.3	1010.0	— 0.2	1009.6	— 0.1	24.0	1012.4	+ 0.3	1012.9	+ 0.3	1012.6	— 0.2	1012.2	— 0.1
	Mersa Matruh (A)	30.0	1008.7	+ 0.2	1009.3	+ 0.3	1009.2	+ 0.2	1009.1	+ 0.2	30.0	1012.4	+ 0.2	1013.0	+ 0.3	1012.9	+ 0.2	1012.8	+ 0.2
	Ras El Hikma	45.8	1006.3	—	1007.2	—	1006.9	—	1006.7	—	45.8	1011.8		1012.6	—	1012.3	—	1012.1	—
	Dabaa	18.0	1009.2	—	1009.8	—	1009.7	—	1009.6	—	17.8	1011.2	—	1011.8	—	1011.7	—	1011.6	—
	Dekheila (A)	6.0	1011.1	—	1011.8	—	1011.7	—	1011.5	—	5.9	1011.8	—	1012.5	—	1012.4	—	1012.2	—
	Ras El Teen	8.4	1010.7	—	1011.3	—	1011.2	—	1010.8	—	8.4	1011.7	—	1012.3	—	1012.2	—	1011.8	—
	Alexandria (A)	7.0	1010.7	+ 0.5	1011.6	+ 0.8	1011.3	+ 0.5	1011.1	+ 0.5	6.8	1011.5	+ 0.5	1012.4	+ 0.8	1012.1	+ 0.5	1011.9	+ 0.5
	Rosetta	3.4	1011.3	—	1011.7	—	1011.4	—	1011.5	—	3.4	1011.7	—	1012.1	—	1011.8	—	1011.9	—
	Balteam	2.0	1011.5	—	1012.1	—	1012.0	—	1011.9	—	2.0	1011.7	—	1012.3	—	1012.2	—	1012.1	—
	Damietta	5.1	1011.1	—	1011.9	+ 0.7	1011.5	+ 0.7	1011.5	+ 0.7	5.1	1011.6	—	1012.3	+ 0.7	1011.9	+ 0.7	1011.9	+ 0.7
	Port Said (A)	7.4	1010.2	+ 0.3	1011.1	+ 0.5	1010.5	+ 0.4	1010.6	+ 0.5	6.1	1010.9	+ 0.3	1011.8	+ 0.5	1011.2	+ 0.4	1011.3	+ 0.5
	El Arish	17.1	1009.2	+ 0.7	1009.9	— 0.3	1009.1	+ 0.4	1009.6	0.0	17.1	1011.1	+ 0.7	1011.8	— 0.3	1011.0	— 0.4	1011.5	0.0
	Ghazza	15.7	1009.6	—	1010.1	—	1009.5	—	1009.6	—	15.7	1011.4	—	1011.9	—	1011.3	—	1011.4	—
Lower Egypt	Mansoura	4.0	1011.4	—	1012.1	+ 0.1	1011.0	+ 1.0	1011.5	+ 0.7	3.6	1011.8	—	1012.5	+ 1.0	1011.4	+ 1.0	1011.8	+ 0.6
	Damanhour	6.7	1011.3	—	1012.1	+ 0.6	1011.3	+ 0.2	1011.6	+ 0.4	6.7	1011.8	—	1012.6	+ 0.6	1011.8	+ 0.2	1012.1	+ 0.4
	Tanta	14.9	1009.5	—	1010.3	— 0.2	1009.1	— 0.1	1009.8	— 0.1	15.4	1010.7	—	1011.5	— 0.2	1010.3	— 0.1	1011.0	— 0.1
	Tahrir	16.0	1009.0	—	1009.9	—	1008.5	—	1009.2	—	18.6	1011.3	—	1012.1	—	1010.6	—	1011.4	—
	Shebin El Kom	13.1	1009.0	—	1010.2	— 0.1	1008.8	— 0.2	1009.1	— 0.7	13.9	1010.5	—	1011.6	— 0.1	1010.3	— 0.2	1010.6	— 0.7
	Zagazig	10.0	1010.1	—	1011.1	+ 0.5	1009.6	+ 0.2	1010.4	+ 0.4	10.0	1011.3	—	1012.3	+ 0.5	1010.8	+ 0.2	1011.6	+ 0.4
	Abu Sueir (A)	16.0	1009.5	—	1010.4	—	1008.6	—	1009.8	—	16.0	1011.5	—	1012.3	—	1010.4	—	1011.7	—
	Banha	14.9	1009.6	—	1010.4	—	1009.1	—	1008.7	—	14.9	1011.4	—	1012.2	—	1010.8	—	1011.5	—
	Zaher (A)	23.5	1007.0	—	1007.8	—	1006.2	—	1006.5	—	23.3	1010.5	—	1011.3	—	1009.7	—	1010.0	—
	Wadi El Natrun	0.9	1012.0	—	1012.8	+ 1.3	1011.1	+ 1.2	1011.8	+ 0.9	0.9	1012.1	—	1012.9	+ 1.3	1011.2	+ 1.2	1011.9	+ 0.9
	Inshas (A)	25.5	1006.9	—	1007.8	—	1006.1	—	1006.9	—	25.6	1009.9	—	1010.8	—	1009.0	—	1009.9	—
	Fayed (A)	35.0	1009.2	—	1010.1	—	1008.2	—	1009.4	—	35.0	1011.7	—	1012.6	—	1010.6	—	1011.8	—
	Kabrit (A)	48.9	1009.9	—	1010.7	—	1008.6	—	1009.5	—	48.9	1011.2	—	1012.0	—	1009.8	—	1010.8	—
Cairo Area	Cairo (A)	74.5	1003.5	— 0.3	1004.4	+ 0.2	1002.7	— 0.1	1003.4	+ 0.1	74.0	1011.0	— 0.3	1011.9	+ 0.2	1010.0	— 0.1	1010.8	+ 0.1
	Mostafa Helmi (A)	164.0	992.1	—	993.2	—	991.9	—	991.8	—	164.0	1011.1	—	1012.0	—	1010.2	—	1010.4	—
	Almaza (A)	78.5	1001.6	— 0.3	1002.5	0.0	1000.8	— 0.4	1001.5	+ 0.1	78.7	1010.7	— 0.3	1011.6	+ 0.1	1009.6	— 0.4	1010.4	0.0
	Abbasiya (H.Q.)	26.4	1008.2	—	1009.1	—	1007.4	—	1008.1	—	26.4	1011.8	—	1012.7	—	1010.9	—	1011.7	—
	Imbaba (A)	19.0	1009.1	—	1009.9	—	1008.1	—	1008.6	—	19.0	1011.2	—	1011.8	—	1010.2	—	1010.7	—
	Giza	22.5	1008.5	—	1009.2	+ 0.2	1007.6	0.0	1008.0	— 0.2	22.5	1011.2	—	1012.0	+ 0.2	1010.3	0.0	1010.7	— 0.3
	Helwan	140.7	994.5	—	995.6	+ 0.3	994.0	0.0	994.4	+ 0.1	140.7	1011.1	—	1012.0	+ 0.2	1009.8	0.0	1010.6	+ 0.3

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

JUNE 1963

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
Upper Egypt	Fayoum	23.3	1007.8	—	1008.9	+ 0.5	1007.1	+0.5	1007.3	+0.7	23.3	1010.7	—	1011.7	+0.4	1009.9	+0.5	1010.2	+0.8
	Beni Suef	30.1	1006.4	—	1007.8	+ 0.2	1005.9	0.0	1005.9	0.0	30.1	1009.9	—	1011.2	+0.2	1009.2	0.0	1009.2	0.0
	Minya (A)	40.0	1004.4	—0.9	1005.7	— 0.6	1004.2	—0.6	1003.7	—0.6	40.3	1009.1	—0.9	1010.4	—0.6	1008.7	—0.5	1008.2	—0.6
	Asyout (Mangabad) (A)	69.6	1001.2	+0.6	1002.9	+ 0.4	1000.8	+0.4	1000.7	+0.4	69.5	1009.2	+0.6	1010.9	+0.5	1008.5	+0.3	1008.4	+0.3
	Nag Hammadi	70.5	—	—	1001.9	+ 0.3	999.5	—0.1	999.5	+0.1	70.5	—	—	1003.7	+0.1	1007.2	—0.1	1007.4	+0.1
	Kena	74.2	999.4	—	1000.9	+ 0.6	999.3	+1.1	998.6	+0.3	74.2	1007.7	—	1009.4	+0.7	1007.5	+1.2	1007.1	+0.6
	Luxor (A)	88.5	997.0	—0.2	998.7	— 0.1	996.5	—0.2	996.6	0.0	88.5	1007.0	—0.3	1008.6	—0.1	1006.2	—0.2	1006.2	+0.3
	Kom Ombo	102.6	994.7	—	996.4	—	994.2	—	994.3	—	102.6	1006.4	—	1007.9	—	1005.4	—	1005.7	—
	Aswan (A)	200.0	984.2	—	985.6	— 0.3	983.7	—0.3	983.6	—0.3	200.0	1006.8	—	1008.0	— 0.4	1005.3	—0.5	1005.6	—0.4
Western Desert	Siwa	—13.5	1013.1	—0.6	1014.3	—0.7	1012.7	—0.7	1011.7	—0.7	—13.7	1011.4	—0.6	1012.6	—0.8	1011.1	—0.7	1010.1	—0.7
	Bahariya	129.5	996.0	—	997.0	—1.1	995.4	—0.9	995.0	—1.6	129.6	1011.1	—	1011.9	—1.2	1009.8	—1.0	1009.7	—1.5
	Farafra	91.8	1000.7	—	1002.4	+0.4	1000.5	—0.2	1000.3	0.0	92.1	1011.4	—	1013.0	+0.4	1010.7	—0.3	1010.7	—0.5
	Dakhla	111.5	994.9	—	996.4	—1.0	994.5	—1.3	994.1	—1.5	111.5	1007.6	—	1009.0	—1.0	1006.6	—1.5	1006.5	—1.6
	Kharga	72.8	1000.3	—	1002.0	—0.4	1000.1	—1.0	999.9	—1.1	73.0	1008.4	—	1010.0	—0.4	1007.8	—1.0	1007.9	—1.1
Red Sea	Suez	116.5	1010.3	—0.6	1010.6	+0.4	1009.3	+0.1	1009.5	+0.7	121.5	1011.5	—	1011.8	+0.4	1010.4	0.0	1010.7	+0.7
	Abu Redes	4.0	1007.6	—	1008.9	—	1007.3	—	1007.3	—	4.0	1008.0	—	1009.3	—	1007.7	—	1007.[illegible]	—
	Tor	4.25	1006.6	—	1008.0	0.0	1006.7	—0.1	1006.0	—0.6	4.3	1007.0	—	1008.4	0.0	1007.1	—0.1	1006.[illegible]	—0.6
	Hurghada	2.75	1007.1	+1.3	1008.7	+1.1	1006.8	+0.6	1006.7	+1.2	2.8	1007.3	+1.3	1008.9	+1.1	1007.0	+0.6	1006.[illegible]	+1.2
	Quseir	11.3	1005.9	—	1007.5	—0.3	1006.4	—0.3	1005.9	—0.4	9.4	1006.9	—	1008.5	+0.3	1007.4	—0.3	1006.[illegible]	—0.4
	Abul Kizan	5.0	1006.7	—	1007.2	—	1006.9	—	1006.4	—	5.0	1007.2	—	1007.8	—	1007.4	—	1006.[illegible]	—

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

JUNE 1963

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	—	23.5	—1.6	27.6	—0.4	23.9	—0.1	18.8	—	19.6	—0.4	20.7	0.1	20.3	+0.6	72	—	68	+ 7	51	+ 1	71	+ 6
	Sidi Barrni	20.0	—0.8	23.3	—0.6	25.8	0.0	23.0	—0.1	17.6	—0.7	19.3	—1.0	20.7	0.4	19.8	—0.4	78	0	67	— 4	61	— 3	73	— 3
	Meres Matruh (A)	19.2	—0.8	23.4	—0.8	25.9	—0.3	22.2	—0.9	17.0	—1.1	19.1	—1.2	20.6	0.8	19.8	—0.7	79	—	65	— 4	60	— 4	79	+ 1
	Ras El Hikma	20.8	—	23.0	—	24.4	—	21.7	—	18.6	—	20.0	—	20.9	—	19.9	—	80	— 3	74	—	72	—	84	—
	Dabaa	18.9	—	22.9	—1.5	25.9	—0.9	22.2	—0.9	16.4	—	19.0	—1.7	20.0	—1.2	19.2	—1.4	76	—	67	— 3	56	— 3	74	— 5
	Dekheila (A)	20.7	—	23.4	—	26.4	—	22.8	—	18.6	—	19.9	—	21.4	—	20.1	—	81	—	72	—	63	—	77	—
	Ras El Ten	22.1	—	23.5	—	24.5	—	23.2	—	20.0	—	20.8	—	21.4	—	20.8	—	82	—	78	—	76	—	80	—
	Alexandria (A)	20.6	—0.7	25.3	+0.3	27.8	—0.6	22.9	—0.3	19.0	—0.6	20.9	—0.2	21.7	—0.3	20.3	+0.4	85	0	66	— 3	57	— 4	78	— 1
	Rosetta	20.2	—	24.8	—	27.9	—	22.9	—	18.0	—	20.4	—	21.0	—	20.0	—	80	—	65	—	52	—	75	—
	Balteam	22.8	—	25.2	—	27.6	—	24.2	—	19.5	—	20.7	—	21.4	—	20.6	—	72	—	65	—	55	—	71	—
	Damietta	20.7	—	24.6	—1.2	28.0	+1.7	22.9	—0.8	19.7	—	21.0	—0.8	22.2	+0.2	20.4	—1.0	88	—	71	+ 2	53	— 8	78	— 3
	Port Said (A)	22.9	—0.5	24.6	—0.8	26.5	—0.6	24.0	—0.6	20.2	—0.5	20.9	—0.5	22.0	—0.4	21.0	—0.6	77	—	70	+ 1	60	+ 1	75	— 1
	El Arish	20.7	0.2	25.7	—0.7	27.9	+0.9	23.5	—0.4	19.3	+0.2	21.4	—0.1	22.6	+0.1	21.2	0.0	87	— 1	67	+ 3	61	+ 5	81	+ 3
	Ghazza	21.6	—	24.7	—	25.7	—	23.9	—	19.6	—	21.1	—	22.1	—	21.3	—	82	+ 3	71	—	72	—	79	—
Lower Egypt	El Sirw	21.5	—	24.8	—1.0	28.8	—0.6	23.5	—0.5	—	—	20.9	—1.0	21.6	—1.6	20.9	—0.3	—	—	69	— 1	51	— 6	78	+ 1
	Sakha	—	—	24.2	—1.4	31.4	—1.0	24.1	—0.1	—	—	20.5	—1.0	21.7	—2.1	19.9	—1.1	—	—	70	+ 2	39	— 7	66	— 8
	Mansoura	18.6	—	21.6	—0.8	31.6	—1.0	23.8	—1.1	17.2	—	20.6	—0.3	21.3	—0.3	19.6	—0.6	86	—	68	— 3	46	+ 8	66	+ 3
	Damanhour	19.6	—	23.6	—2.2	30.2	—0.2	23.2	—0.6	18.1	—	20.1	1.3	21.3	—0.7	19.4	—0.8	86	—	72	— 6	42	— 3	68	— 3
	Tanta	19.8	—	24.5	—0.9	33.0	—0.1	25.0	—0.2	17.9	—	20.4	—0.5	22.1	+0.5	19.6	—0.6	82	—	67	— 2	35	+ 2	58	— 3
	Tahrir	20.0	—	24.1	—	32.6	—	25.6	—	18.1	—	19.9	—	20.7	—	19.3	—	83	—	68	—	34	—	55	—
	Shebin El Kom	19.2	—	23.3	—1.9	32.4	—1.1	25.3	—1.0	17.0	—	19.4	—1.2	21.5	—0.1	19.2	—0.4	79	—	68	+ 4	34	— 3	54	+ 1
	Zagazig	19.5	—	24.3	—1.6	33.3	—1.0	24.8	—1.2	16.8	—	19.8	—2.0	21.1	—1.3	18.9	—1.8	75	—	64	— 4	32	— 3	55	— 5
	Abu Sueir (A)	21.4	—	24.9	—	33.1	—	26.2	—	18.5	—	20.1	—	20.3	—	19.4	—	74	—	62	—	24	—	50	—
	Banha	20.6	—	23.0	—	33.3	—	26.1	—	17.4	—	18.8	—	21.5	—	19.3	—	71	—	65	—	32	—	50	—
	Zaher (A)	20.8	—	24.2	—	33.0	—	26.4	—	18.0	—	19.6	—	20.7	—	19.5	—	75	—	63	—	28	—	50	—
	Wadi El Natrun	19.9	—	24.0	—0.9	34.2	+0.4	27.0	—0.0	17.2	—	19.2	—1.4	20.0	—1.8	18.5	—2.1	75	—	61	— 5	21	—10	40	—13
	Inshas (A)	20.8	—	24.3	—	33.2	—	26.6	—	17.7	—	19.8	—	20.9	—	19.7	—	73	—	64	—	29	—	50	—
	Fayed (A)	21.9	—	25.4	—	34.5	—	26.9	—	18.4	—	20.3	—	21.0	—	20.2	—	70	—	61	—	25	—	52	—
	Kabrit (A)	22.9	—	25.5	—	34.3	—	27.4	—	20.1	—	21.0	—	22.2	—	21.0	—	76	—	65	—	31	—	54	—

Table A2 (*contd*).--MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES AND THE RELATIVE HUMIDITY AT FIXED HOURS

JUNE 1963

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
Cairo Area	Cairo . . . . . (A)	22.1	0.0	24.1	−0.3	33.8	+0.4	28.1	−0.4	18.3	−0.5	19.3	−1.2	19.9	−1.0	19.6	0.6	68	−4	62	−4	22	−6	42	−2
	Mostafa Helmi . . (A)	20.1	—	23.0	—	32.1	—	26.5	—	17.6	—	18.4	—	19.5	—	18.9	—	77	—	62	—	26	—	45	—
	Almaza . . . . . (A)	22.0	−0.6	24.5	+0.1	33.9	+0.5	28.1	−0.7	17.6	−1.6	18.9	−1.2	20.0	−0.9	19.1	−0.9	63	−8	56	−10	23	−5	39	−2
	Abbasiya. . . (H.Q.)	22.1	—	25.6	—	33.8	—	28.1	—	18.4	—	20.1	—	20.6	—	20.0	—	69	—	58	—	25	—	44	—
	Imbaba . . . . . (A)	20.2	—	24.6	—	33.7	—	27.2	—	16.9	—	19.8	—	21.0	—	19.5	—	70	—	62	—	27	—	44	—
	Giza	21.2	—	24.4	−0.3	33.1	−1.0	28.1	+0.1	17.9	—	18.9	−1.4	19.4	−1.9	18.7	−1.0	71	—	57	−8	22	−6	36	−7
	Helwan	22.3	—	25.3	+0.7	34.2	+0.6	28.4	−0.8	17.3	—	18.5	−0.4	19.4	+0.1	18.8	+0.1	58	—	49	−7	19	−2	35	+3
Upper Egypt	Fayoum	22.6	—	25.7	+0.3	35.3	+1.0	29.6	+0.3	17.8	—	19.4	−0.3	20.1	−0.1	19.1	−0.1	60	—	53	−4	19	−3	32	−2
	Beni Suef	23.0	—	25.8	−1.2	35.5	−0.2	29.2	−0.2	17.3	—	19.4	−1.2	20.7	−0.3	19.3	−0.3	54	—	52	−1	21	−1	35	−1
	Minya . . . . . (A)	22.7	+0.8	25.4	+0.2	35.3	−0.1	28.9	+1.4	17.0	0.0	19.1	−0.1	20.6	−0.2	18.9	−0.1	54	−5	52	−5	21	−1	34	−5
	Mallawi	—	—	25.7	—	35.6	—	27.3	—	—	—	21.2	—	24.0	—	20.0	—	—	—	66	—	35	—	48	—
	Asyout (Mangabad) (A)	25.1	−0.3	26.0	−0.2	37.2	+0.9	30.8	+0.4	16.3	0.0	18.0	−0.2	19.4	−0.6	18.3	+0.1	36	−1	42	−1	12	−4	24	−1
	Shandaweel	23.8	—	26.8	−1.7	37.5	+0.7	28.9	+0.2	—	—	20.4	−0.5	23.4	+0.6	20.8	+0.4	—	—	54	+5	26	0	46	+2
	Nag Hammadi . . .	—	—	26.7	−0.6	38.2	+1.7	30.8	+1.2	—	—	20.4	+0.3	23.3	+1.4	21.0	+1.2	—	—	54	+10	24	+1	38	+2
	Kena	27.0	—	29.6	−0.5	39.0	−1.0	33.1	−0.1	—	—	20.3	+0.6	23.3	+1.0	20.1	+0.6	—	—	39	+7	22	+6	25	+1
	Luxor . . . . . (A)	26.8	+0.3	31.6	−0.3	40.6	+1.0	32.7	−0.4	17.1	+0.6	20.1	+0.4	22.1	+0.6	20.2	+0.8	33	+4	30	0	15	−2	27	+2
	Kom Ombo	26.9	—	31.8	—	41.8	—	33.7	—	15.7	—	18.5	—	21.1	—	19.0	—	25	—	22	—	10	—	19	—
	Aswan . . . . . (A)	28.6	—	31.8	+0.7	41.4	+0.8	36.1	+0.1	14.7	—	16.7	−2.1	19.7	−2.3	17.7	−2.0	14	—	14	−12	6	−9	9	−7
Western	Siwa	23.9	−0.1	25.2	+0.2	35.6	−0.2	32.1	−0.2	16.1	−0.9	18.3	−0.1	19.4	−0.7	18.5	−1.1	43	+3	48	−2	15	−3	21	−5
	Bahariya	23.9	—	25.5	−0.2	36.2	+1.3	31.4	+1.7	16.4	—	17.8	−1.4	19.7	−1.7	18.4	−1.2	42	—	44	−10	15	−11	23	−12
	Farafra	23.6	—	[illegible].3	−0.2	36.6	+0.7	31.0	+1.1	14.9	—	17.3	−0.5	19.9	−1.1	17.5	−1.5	33	—	37	−2	15	−6	19	−7
	Dakhla	26.4	—	[illegible].8	+0.6	38.7	+2.1	33.2	+1.0	15.1	—	17.6	−1.5	19.3	−1.9	17.9	−0.9	23	—	24	−10	9	−11	16	−6
	Kharga	26.8	—	[illegible]	+0.6	40.0	+2.1	32.2	−0.4	15.9	—	18.4	−1.9	20.9	−2.8	18.2	−2.2	26	—	27	−12	12	−15	19	−9
	Suez	23.8	—	[illegible]	+0.3	34.4	+1.1	28.4	+0.6	—	—	20.9	+0.2	21.9	−0.2	21.3	+0.3	—	—	63	−1	29	−5	51	−1
	Abu Redes	25.7	—	[illegible]	—	30.7	—	28.9	—	21.3	—	22.1	—	23.1	—	22.2	—	66	—	64	—	50	—	54	—
	Tor	25.7	—	27.1	+0.7	30.9	+0.3	29.7	+0.3	21.4	—	21.8	−0.8	22.2	−1.7	21.3	−1.6	67	—	61	−10	44	−11	44	−11
	Hurghada	26.2	−0.5	28.8	+1.4	32.0	+2.4	29.2	−0.3	18.6	−0.2	20.0	−1.5	22.2	−1.3	20.9	−1.2	45	+1	41	−16	39	−19	44	−6
	Quseir	28.5	—	30.3	+0.5	32.4	+1.6	30.2	+1.2	18.6	—	21.8	−0.4	23.4	−0.9	21.5	−0.5	34	—	44	−5	44	−12	34	−9
	Abul Kizan	—	—	29.2	−0.1	29.7	−0.0	28.0	0.0	—	—	25.2	−0.4	25.4	−0.4	25.0	−0.3	—	—	71	−2	69	−3	77	−4

Table A3. – MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

JUNE 1963

District	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a, b, c, d	Station Pressure corrected to 0 m		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	1012.0	−0.6	1012.5	−0.6	28.5	−1.2	20.9	−1.8	24.7	a	24.2	[illegible]	a	19.9	+0.5	a	66	+ 3
	Sidi Barrani	a	1009.8	−0.4	1012.4	−0.4	26.3	−0.6	18.3	1.2	22.3	a	22.9	−0.2	a	19.3	−0.7	a	69	− 5
	Mersa Matruh (A)	a	1009.1	+0.1	1012.8	+0.1	27.6	+0.2	17.8	−0.7	22.7	a	22.7	−0.5	a	19.0	0.8	a	69	− 3
	Ras El Hikma	a	1006.7	—	1012.1	—	25.2	—	20.0	—	22.6	a	22.5	—	a	19.8	—	a	77	—
	Dabaa	a	1009.6	—	1011.6	—	26.4	—	17.7	—	22.0	a	22.3	—	a	18.4	—	a	67	—
	Dekheila (A)	a	1011.6	—	1012.2	—	27.1	—	19.8	—	23.4	a	23.3	—	a	19.9	—	a	72	—
	Ras El Teen	a	1011.0	—	1012.0	—	25.3	—	21.5	—	23.4	a	23.3	—	a	20.7	—	a	78	—
	Alexandria (A)	a	1011.2	−0.2	1012.0	−0.2	29.2	+1.0	19.2	−1.0	24.2	a	24.1	−0.1	a	20.4	−0.1	a	70	0
	Rosetta	a	1011.5	—	1011.9	—	26.8	—	19.8	—	23.3	a	23.8	—	a	19.7	—	a	67	—
	Balteam	a	1011.8	—	1012.0	—	27.9	—	21.0	—	24.4	a	24.9	—	a	20.5	—	a	65	—
	Damietta	a	1011.5	+0.4	1011.9	+0.4	29.7	+0.2	19.6	−0.2	24.6	a	24.2	0.0	a	20.7	−0.4	a	72	− 3
	Port Said (A)	a	1010.6	+0.2	1011.3	+0.2	27.8	−0.6	22.0	−0.5	24.9	a	24.5	−0.4	a	21.0	−0.4	a	72	0
	El Arish	a	1009.5	−0.1	1011.4	−0.1	29.7	0.2	19.3	+0.6	24.4	a	24.3	+0.3	a	21.0	+0.6	a	73	+ 2
	Ghazza	a	1009.7	—	1011.5	—	26.5	—	19.7	—	23.1	a	23.7	—	a	20.9	—	a	77	—
Lower Egypt	El Sirw	—	—	—	—	—	30.0	−1.5	19.2	+1.0	24.6	c	24.6	+0.3	c	21.4	+0.4	c	74	+ 1
	Sakha	—	—	—	—	—	31.7	1.5	16.8	0.3	24.2	c	—	—	c	—	—	c	68	− 3
	Mansoura	a	1011.4	+0.8	1011.8	+0.8	32.5	1.3	16.8	−2.0	24.6	a	24.4	−0.1	a	19.4	−1.4	a	60	− 4
	Damanhour	a	1011.6	+0.1	1012.1	+0.1	30.7	1.1	18.3	−0.3	24.5	a	24.1	−0.5	a	19.6	−1.0	a	64	− 4
	Tanta	a	1009.6	−0.4	1010.8	−0.4	33.6	0.3	18.2	−1.1	25.9	a	25.4	+0.2	a	19.9	−0.5	a	58	− 5
	Tahrir	a	1009.1	—	1011.3	—	33.5	—	18.7	—	26.1	a	25.5	—	a	19.4	—	a	57	—
	Shebin El Kom	a	1009.2	−0.5	1010.7	−0.5	33.1	1.5	17.8	−0.9	25.4	a	25.0	−0.9	a	19.2	−1.2	a	56	− 3
	Zagazig	a	1010.2	+0.2	1011.4	+0.2	33.0	−1.3	18.0	−0.2	25.5	a	25.2	−0.7	a	19.0	−2.2	a	53	−11
	Abu Sueir (A)	a	1009.6	—	1011.4	—	35.0	—	19.4	—	27.2	a	26.5	—	a	19.5	—	a	49	—
	Banha	a	1009.7	—	1011.4	—	34.1	—	18.9	—	26.5	a	25.8	—	a	19.2	—	a	51	—
	Zaher (A)	a	1006.8	—	1010.3	—	33.9	—	19.2	—	26.6	a	26.2	—	a	19.5	—	a	50	—
	Wadi El Natrun	a	1011.9	+1.1	1012.0	+1.1	35.1	−0.1	18.4	0.5	26.8	a	26.2	0.0	a	18.5	−2.4	a	44	−16
	Inshas (A)	a	1006.9	—	1009.9	—	33.8	—	19.1	—	26.4	a	26.2	—	a	19.3	—	a	49	—
	Fayed (A)	a	1009.1	—	1011.6	—	35.2	—	20.2	—	27.7	a	27.1	—	a	19.9	—	a	48	—
	Kabrit (A)	a	1009.6		1010.8	—	35.6	—	21.2	—	28.4	a	27.2	—	a	21.1	—	a	50	—
Cairo Area	Cairo (A)	a	1003.5	−0.1	1010.9	−0.1	35.0	+0.3	20.0	0.0	27.5	a	26.8	−0.2	a	19.2	−0.7	a	45	− 3
	Mostafa Helmi (A)	a	992.2	—	1010.9	—	33.0	—	18.5	—	25.8	a	25.5	—	a	18.5	—	a	48	—
	Almaza (A)	a	1001.6	+0.6	1010.6	+0.7	34.7	−0.1	20.0	−0.3	27.4	a	27.2	−0.2	a	18.8	−1.2	a	41	− 6
	Abbasiya H.Q.)	a	1008.2	—	1011.7	—	34.9	—	20.2	—	27.6	a	27.4	—	a	19.6	—	a	44	—
	Imbaba (A)	a	1008.9	—	1011.0	—	34.9	—	18.3	—	26.6	a	26.4	—	a	19.1	—	a	47	—
	Giza	a	1008.3	0.0	1011.1	+0.1	34.8	−0.1	19.3	+1.4	27.0	a	26.8	+0.6	a	18.6	−1.4	a	42	−12
	Helwan	a	994.7	+0.3	1010.8	+0.2	35.8	+0.9	20.0	−0.3	27.9	a	27.5	+0.7	a	18.5	−0.5		38	− 6

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**

JUNE 1963

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	Relative humidity %: Mean	Relative humidity %: Dev. from normal
Upper Egypt	Fayoum	a	1007.7	+0.5	1010.6	+0.5	36.1	+0.4	20.4	+0.8	28.2	a	28.3	+1.1	a	19.0	0.3	a	38	-2
	Beni Suef	a	1006.4	-0.1	1009.8	-0.1	36.5	+0.5	19.1	+0.5	27.8	a	28.4	+0.8	a	19.1	-0.7	a	38	-6
	Minya (A)	a	1004.5	-0.8	1009.1	-0.8	36.2	+0.1	19.4	+0.6	27.8	a	28.1	+0.6	a	18.8	-0.3	a	37	-4
	Mallawi	—	—	—	—	—	36.1	—	18.4	—	27.2	—							57	—
	Asyout (Mangabad) (A)	a	1001.3	-0.1	1009.3	0.0	38.2	+0.8	21.7	+0.3	30.0	a	30.0	+0.5	a	18.0	0.2	a	25	-3
	Shandaweel	—	—	—	—	—	38.7	+1.2	21.3	+1.3	30.0	c	29.2	+0.4	c	21.8	+1.0	c	50	+4
	Nag Hammadi		—		—	—	39.4	2.0	21.2	+1.1	30.3	c	30.2	+1.4	c	22.0	1.4	c	46	+6
	Kena	c	999.6	+0.8	1007.9	+0.7	40.5	0.6	23.6	+0.2	32.0	c	32.2	+0.4	c	21.0	1.2	c	32	+4
	Luxor (A)	a	997.2	—0.1	1007.0	-0.2	41.6	+0.7	22.7	+0.8	32.2	a	32.7	+0.7	a	19.6	+0.4	a	39	+12
	Kom Ombo	a	994.8	—	1006.3	—	42.9	—	23.1	—	33.0	a	33.4		a	18.4		a	17	—
	Aswan (A)	a	984.4	0.3	1006.4	0.5	42.7	+0.9	25.1	0.5	33.9	a	34.4	+1.4	a	17.1	2.7	a	19	-14
Western Desert	Siwa	a	1013.0	1.4	1011.3	1.5	37.5	+0.6	19.0	1.4	28.2	a	29.2	+0.8	a	18.0	0.1	a	28	-3
	Bahariya	a	995.8	—1.2	1010.7	1.2	37.1	+0.8	20.6	+1.3	28.8	a	29.3	+2.0	a	18.0	1.4	a	28	—16
	Farafra	a	1000.9	+0.2	1011.4	+0.1	37.5	+0.5	20.1	+0.4	28.8	a	29.4	+1.4	a	17.4	+0.2	a	24	—4
	Dakhla	a	994.9	2.9	1007.4	3.0	39.4	+1.6	22.6	0.5	31.0	a	31.8	+1.7	a	17.3	—1.5	a	16	—13
	Kharga	a	1000.6	0.9	1008.5	1.0	40.7	+2.0	23.3	—0.2	32.0	a	32.2	1.3	a	18.2	—1.8	a	19	—13
Red Sea	Suez	c	1009.9	+0.5	1011.1	+0.5	36.2	+1.3	19.8	—1.0	28.0	c	28.1	+1.1	c	22.0	+0.7	c	57	-1
	Abu Redes	a	1007.8	—	1008.2	—	32.1	—	24.4	—	28.2	a	28.1		a	22.1	—	a	57	—
	Tor	a	1006.9	0.2	1007.3	—0.2	33.4	0.0	24.3	0.9	28.8	a	28.2	+0.8	a	21.6	0.8	a	54	9
	Hurghada	a	1007.4	+1.0	1007.6	1.0	33.5	+2.3	23.7	+0.2	28.6	a	28.9	+0.5	a	20.2	0.4	a	42	4
	Quseir	a	1006.4	—0.3	1007.4	0.3	33.2	+1.3	27.2	+1.7	30.2	a	30.3	+1.5	a	21.3	0.3	a	42	9
	Abul Kizan	c	1006.8	—	1007.3	—	31.0	+0.2	26.9	+0.8	29.0	—						c	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

JUNE 1963

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	44.2	17	23.8	5	24	8	2	2	0*	25.5	17	18.0	2	0	0	0	0
	Sidi Barcani	43.0	17	22.8	1	16	2	2	2	0	23.7	17	13.4	12	0	0	0	0
	Mersa Matruh (A)	42.8	17	24.0	1	21	3	2	1	0	27.0	17	13.6	12	0	0	0	0
	Ras El Hikma	35.5	17	22.4	1,2	15	1	1	0	0	24.9	17	16.1	2	0	0	0	0
	Dabaa	36.4	17	23.0	11	20	2	1	0	0	23.1	18	13.0	12	0	0	0	0
	Dekheila (A)	35.2	17	23.7	2	24	3	1	0	0	22.5	18	15.7	16	0	0	0	0
	Ras El Teen	33.6	17	22.2	11	16	1	0	0	0	23.6	17	18.9	3	0	0	0	0
	Alexandria (A)	38.6	17	26.0	2	30	8	2	0	0	22.9	30	15.0	10	0	0	0	0
	Rosetta	37.7	17	25.5	10	30	7	2	0	0	23.5	18	16.7	11,12	0	0	0	0
	Baltim	34.0	18	25.2	1	30	5	0	0	0	23.2	18,30	18.0	11	0	0	0	0
	Damietta	35.3	18	25.1	8	30	14	1	0	0	25.8	18	16.4	11	0	0	0	0
	Port Said (A)	35.6	7	24.6	4	28	4	2	0	0	21.4	29	0.0	2,9	0	0	0	0
	El Arish	41.5	7	26.0	3	30	8	2	1	0	22.0	19	16.8	4-10	0	0	0	0
	Ghazza	36.2	7	24.2	1	22	1	1	0	0	23.0	29	16.4	4	0	0	0	0
Lower Egypt	El Siw	37.0	18	25.5	4	30	14	2	0	0	23.0	7	16.0	2-11	0	0	0	0
	Sakha	38.5	17	27.2	10	30	18	4	0	0	20.2	7	12.8	4	0	0	0	0
	Mansoura	40.0	18	29.0	4	30	24	3	0	0	20.3	7	14.2	2	0	0	0	0
	Damanhour	38.0	17	26.5	8	30	17	2	0	0	21.0	28	15.6	3	0	0	0	0
	Gimmeiza	41.1	18	29.8	8	30	29	11	1	0	20.7	7	15.3	11	0	0	0	0
	Tanta	41.1	18	29.8	8	30	29	11	1	0	20.7	7	15.3	11	0	0	0	0
	Tahir	43.6	18	30.1	10	30	30	8	1	0	21.0	19	15.2	12	0	0	0	0
	Shebin El Kom	40.8	18	29.2	10	30	28	7	1	0	21.0	7	15.2	11	0	0	0	0
	Zagazig	41.4	18	29.1	6	30	24	7	1	0	20.7	27	15.1	11	0	0	0	0
	Abu Sueir (A)	44.0	7	30.2	11	30	30	14	2	0	21.8	7	17.3	11	0	0	0	0
	Benha	42.6	18	30.2	1	30	30	12	1	0	22.0	18	16.7	11-13	0	0	0	0
	Zaher (A)	42.4	18	30.0	1	30	28	7	2	0	22.5	18	16.4	13	0	0	0	0
	Wadi El Natrun	44.4	18	30.4	10	30	30	15	2	0	22.0	18	15.2	12	0	0	0	0
	Inshas (A)	42.3	18	29.0	11	30	28	9	1	0	24.4	18	15.2	12	0	0	0	0
	Layed (A)	44.0	18	30.0	11	30	30	14	2	0	23.5	7	17.5	4	0	0	0	0
	Kalrit (A)	44.6	7	31.0	1,11	30	30	16	2	0	24.9	7	18.4	11	0	0	0	0
Cairo Area	Cairo (A)	43.6	18	30.3	11	30	30	16	2	0	27.3	18	17.5	13	0	0	0	0
	Mostafa Helmi (A)	41.4	18	28.8	11	30	24	6	1	0	25.0	18	15.7	12	0	0	0	0
	Almaza (A)	43.4	18	30.4	11	30	30	14	2	0	27.0	18	17.1	13	0	0	0	0
	Abbasiya (H. Q)	43.0	18	30.0	11	30	29	15	2	0	24.3	18	17.0	13	0	0	0	0
	Imbaba (A)	42.9	18	30.5	11	30	30	15	2	0	20.9	19	16.0	13	0	0	0	0
	Giza	43.0	18	30.4	11	30	30	15	2	0	21.9	7,19	17.1	2	0	0	0	0
	Helwan	43.8	18	30.8	1	30	30	17	3	0	27.0	18	17.0	11	0	0	0	0

* More than 3 days.

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

JUNE 1963

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	43.4	18	31.2	1	30	30	18	3	0	23.1	7	18.0	9,12	0	0	0	0
	Beni Suef	43.	18	31.6	1,11	30	30	21	4	0	23.0	7	15.6	12	0	0	0	0
	Minya (A)	43.1	18	31.6	11	30	30	19	3	0	26.9	7	15.7	12	0	0	0	0
	Mallawi	42.0	18	32.0	20,21	30	30	18	3	0	25.0	7	14.[illegible]	12	0	0	0	0
	Asyout (Mangabad) (A)	44.8	18	33.5	1	30	30	24	9	0	28.5	7	18.0	12	0	0	0	0
	Shandaweel	44.5	7	34.8	21	30	30	29	8	0	25.0	7	17.5	4	0	6	0	0
	Nag Hammadi	44.8	7	35.1	21	30	30	30	13	0	27.0	7	18.0	4	0	0	0	0
	Kena	46.8	7	37.0	2,21	30	30	30	15	1	27.2	10	20.3	12	0	0	0	0
	Luxor (A)	47.3	7	36.0	21	30	30	30	21	3	27.4	5	18.7	3	0	0	0	0
	Kom Ombo	48.4	28	38.0	11	30	30	30	23	7	29.1	1	18.3	4	0	0	0	0
	Aswan (A)	48.5	7	37.6	2	30	30	30	22	6	29.5	29	19.5	12	0	0	0	0
Western Desert	Siwa	44.4	17	30.8	1	30	30	22	6	0	22.9	4	15.9	10	0	0	0	0
	Bahariya	43.8	18	31.7	1	30	30	22	4	0	24.6	7	16.8	2	0	0	0	0
	Farafra	43.0	18	31.7	1	30	30	22	6	0	24.0	19	15.0	2	0	0	0	0
	Dakhla	47.5	6	34.1	1	30	30	27	14	1	29.3	30	16.7	3	0	0	0	0
	Kharga	49.3	6	35.0	11	30	30	29	14	5	28.2	28	18.0	10	0	0	0	0
Red Sea	Suez	44.0	18	32.4	1	30	30	17	5	0	23.1	29	16.8	12	0	0	0	0
	Abu Redes	41.5	7	27.7	11	30	24	5	1	0	28.8	7	21.9	4	0	0	0	0
	Tor	42.3	7	29.4	12	30	27	9	1	0	27.9	19	20.4	4	0	0	0	0
	Hurghada	38.7	17	31.1	11,22	30	30	7	0	0	28.4	30	20.2	6	0	0	0	0
	Quseir	37.7	7	31.0	12	30	30	3	0	0	29.7	29	24.0	4	0	0	0	0
	Abul Kizan	35.0	7	39.0	11	30	19	0	0	0	28.6	30	25.8	5	0	0	0	[illegible]

Table A 5.— RAINFALL AND SNOW DEPTH

JUNE 1963

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	Salloum	Tr.	-0.1	Tr.	3	1	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)	0.3	-0.1	0.3	3	1	1	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)	Tr.	+Tr.	Tr.	4	1	0	0	0	0	0	0	0.0	—
	Ras El-Tein	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)	Tr.	Tr.	Tr.	4	1	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	0.1	—	0.1	5	0	1	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	—
	Mex	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolombat El Tabia	0.0	0.0	6.0	—	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	—
	Balteam	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	—
	Tanta	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tahrir	Tr.	+Tr.	Tr.	4	1	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	Tr.	—	Tr	4	1	0	0	0	0	0	0	0.0	—
	Banha (A)	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	Tr.	Tr.	Tr.	4	1	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	0.0	—
	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	Tr.	+Tr.	Tr.	4	1	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	—
	Fuqus	0.0	-0.1	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	-0.6	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	Tr.	-0.6	Tr.	4	1	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 1963

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	—
	Minya (A)	Tr.	Tr	Tr.	3	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	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.	—
	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	0.0	—
	Aswan (A)	0.0	0.0	0.0	—	0	0	[illegible]	[illegible]	0	0	0	0.0	—
Western Desert	Siwa	Tr.	— Tr.	Tr.	5	1	0	0	0	0	0	0	0.0	—
	Bahariya	Tr.	— 0.4	Tr,	3	1	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	0.8	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	—
	Abu Redes	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

JUNE - 1963

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	—	—	—	1.2	—	2.4	—	1.1	—	1.5	—	8.1	—	—	20.8
	Sidi Barrani	—	—	—		—	3.3	—	1.2	—	2.1	—	6.2	—	—	—
	Mersa Matruh (A)	336.2	425.4	79.0	1.2	—	3.1	—	1.4	—	2.4	—	9.3	—	—	—
	Ras El Hikma	—	—	—	—	—	3.1	—	1.0	—	1.7	—	4.2	—	—	19.1
	Dabaa	—	—	—	—	—	3.1	—	1.7	—	2.1	—	8.2	—	—	—
	Dekheila (A)	—	—	—	1.5	—	2.3	—	1.3	—	1.2	—	5.0	—	—	—
	Ras El Teen	—	—	—	2.1	—	2.7	—	1.5	—	1.7	—	3.8	—	—	—
	Alexandria (A)	350.3	424.1	82.4	2.0	—	2.5	—	1.7	—	1.7	—	4.8	—	—	—
	Rosetta	—	—	—	—	—	1.9	—	1.3	—	0.9	—	6.1	—	—	—
	Balteam	—	—	—	—	—	1.5	—	1.6	—	1.3	—	5.0	—	—	—
	Damietta	—	—	—	—	—	1.3	—	0.8	—	0.7	—	4.7	—	—	—
	Port Said (A)	304.2	424.1	71.5	1.1	—	1.6	—	0.8	—	0.8	—	5.8	50	33	20.9
	El Arish	—	—	—	2.8	—	2.5	—	1.2	—	2.3	—	4.5	—	—	20.3
	Ghazza	339.3	425.4	79.8	3.0	—	2.2	—	1.4	—	2.1	—	3.6	—	—	17.5
Lower Egypt	El Sirw	—	—	—	—	—	0.8	—	0.7	—	0.4	—	5.5	—	—	—
	Sakha	—	—	—	—	—	1.5	—	2.6	—	1.4	—	6.1	—	—	16.2
	Mansoura	—	—	—	—	—	2.0	—	1.1	—	0.0	—	9.0	—	—	—
	Damanhour	—	—	—	—	—	2.0	—	1.5	—	0.5	—	7.4	—	—	17.7
	Tanta	340.1	422.2	80.5	—	—	1.3	—	1.1	—	0.5	—	7.7	68	46	—
	Tahrir	342.5	422.2	81.1	—	—	1.5	—	1.3	—	0.5	—	12.1	—	—	17.3
	Shebin El Kom	—	—	—	—	—	1.0	—	0.7	—	0.4	—	6.0	—	—	—
	Zagazig	—	—	—	—	—	2.2	—	1.4	—	0.8	—	9.5	—	—	—
	Abu Sueir (A)	—	—	—	1.2	—	2.5	—	1.5	—	1.2	—	11.6	74	41	19.1
	Banha	—	—	—	—	—	1.4	—	1.0	—	0.6	—	8.1	—	—	—
	Zaher (A)	—	—	—	—	—	2.3	—	1.2	—	0.7	—	11.5	—	—	—
	Wadi El Natrun	—	—	—	—	—	1.7	—	1.1	—	0.4	—	17.0	—	—	—
	Inshas (A)	—	—	—	0.3	—	1.7	—	1.1	—	0.5	—	13.0	—	—	—
	Fayed (A)	—	—	—	—	—	1.9	—	1.0	—	0.7	—	16.2	—	—	—
	Kabrit (A)	—	—	—	—	—	1.6	—	1.1	—	0.4	—	15.4	—	—	—
Cairo Area	Cairo (A)	—	—	—	1.1	—	2.5	—	1.3	—	0.6	—	19.0	—	—	—
	Mostafa Helmi (A)	—	—	—	0.5	—	1.9	—	1.3	—	0.5	—	16.1	—	—	—
	Almaza (A)	336.5	421.4	79.9	1.0	—	1.8	—	1.0	—	0.5	—	13.3	—	—	—
	Abbasiya (H.Q.)	343.7	421.4	81.6	0.8	—	1.9	—	1.2	—	0.7	—	9.9	71	49	—
	Imbaba (A)	—	—	—	—	—	1.9	—	1.1	—	0.1	—	12.1	—	—	—
	Giza	348.9	421.4	82.8	0.7	—	1.6	—	1.0	—	0.4	—	13.6	—	—	14.9
	Helwan	—	—	—	0.5	—	0.7	—	1.0	—	0.4	—	23.7	—	—	—
Upper Egypt	Fayoum	—	—	—	—	—	0.8	—	1.1	—	0.7	—	13.2	—	—	17.6
	Beni Suef	—	—	—	—	—	0.4	—	0.8	—	0.2	—	11.7	—	—	16.6
	Minya (A)	—	—	—	0.6	—	0.6	—	0.7	—	0.5	—	13.7	—	37	17.2
	Mallawi	—	—	—	—	—	0.1	—	0.3	—	0.4	—	6.1	—	—	16.9
	Asyout (Mangabad) (A)	—	—	—	0.5	—	0.5	—	0.5	—	0.3	—	21.2	—	52	20.0
	Shandaweel	—	—	—	—	—	0.2	—	0.2	—	0.1	—	9.0	—	—	14.4
	Nag Hammadi	—	—	—	—	—	0.0	—	0.0	—	0.3	—	9.8	—	—	20.8
	Kena	—	—	—	—	—	0.1	—	0.0	—	0.0	—	11.4	—	—	20.8
	Luxor (A)	—	—	—	0.2	—	0.2	—	0.2	—	0.4	—	14.9	72	52	—
	Kom Ombo	—	—	—	—	—	0.0	—	0.0	—	0.1	—	19.0	—	—	18.1
	Aswan (A)	—	—	—	0.2	—	0.1	—	0.3	—	1.0	—	23.5	—	—	—
Western Desert	Siwa	—	—	—	0.7	—	0.7	—	1.1	—	1.1	—	17.6	78	—	18.[illegible]
	Bahariya	—	—	—	0.3	—	0.9	—	1.3	—	0.8	—	13.0	60	43	19.[illegible]
	Farafra	—	—	—	—	—	0.8	—	0.8	—	0.7	—	24.1	60	43	19.[illegible]
	Dakhla	—	—	—	0.4	—	0.4	—	0.6	—	0.7	—	24.6	66	46	17.[illegible]
	Khaga	—	—	—	0.3	—	0.5	—	0.3	—	0.4	—	19.9	—	—	23.[illegible]
Red Sea	Suez	—	—	—	—	—	—	—	—	—	—	—	12.4	—	—	—
	Abu Redes	348.1	418.5	83.2	—	—	0.3	—	0.7	—	0.4	—	10.3	—	—	—
	Tor	—	—	—	0.7	—	0.5	—	0.8	—	0.5	—	11.2	—	—	—
	Hurghada	—	—	—	0.5	—	0.6	—	0.1	—	0.2	—	22.4	—	—	—
	Quseir	—	—	—	0.1	—	0.2	—	0.2	—	0.1	—	17.1	—	—	—
	Abul Kizan	—	—	—	—	—	0.3	—	0.0	—	0.0	—	5.4	—	—	—

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

JUNE 1963

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	Sidi Barrani	5	—	—	—	—	—	23.7	26.5	30	21.0	12	33.4	40.2	17	25.0	4·6	28.0	36.0	17	24.0	4·5·6
		10	—	—	—	—	—	24.4	28.2	18	21.8	12	29.2	34.1	17	25.0	6	29.3	34.9	17	25.0	4
		20	—	—	—	—	—	25.9	29.3	18	23.7	7	26.3	29.2	17	24.0	4·5·6	27.6	31.3	17	24.9	4
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Marsa Matruh (A)	5	21.2	28.2	18	18.7	12	23.1	27.2	18	19.0	1	35.6	42.2	17	29.4	8	28.6	34.2	17	25.5	9
		10	24.8	29.5	18	21.5	12	23.5	27.5	18	20.5	11	30.3	34.8	17	26.4	6	29.2	33.5	17	26.0	6
		20	26.2	30.0	18	23.9	4	25.2	28.4	18	23.6	10	26.0	28.7	30	24.0	4·6·10	27.8	31.0	17	25.5	4·8·9
		50	25.9	28.3	18	24.1	18	21.7	28.2	18	23.1	11	25.4	28.0	18	23.6	2·10	25.9	28.7	28	24.0	3·4
		100	24.3	27.8	30	22.2	2,3,5	27.7	24.2	30	21.7	10	24.5	27.7	30	22.0	30	24.9	28.5	29	22.4	1
		200	21.9	23.6	30	21.0	1	22.0	23.2	30	21.2	1	22.1	23.3	30	21.4	1	22.0	23.2	30	21.4	1·2
	Ras El Hikma	5	—	—	—	—	—	23.3	27.8	17	21.2	2	31.3	37.0	17	26.1	4	25.3	29.3	17	22.2	4
		10	—	—	—	—	—	22.6	26.0	18	20.0	2	27.8	32.2	17	23.7	6	26.5	30.3	17	23.3	6
		20	—	—	—	—	—	22.6	25.8	18	20.4	2	25.0	28.2	17	22.6	4	25.3	28.4	17	22.7	4
		50	—	—	—	—	—	23.9	25.9	30	22.4	7	23.8	25.7	30	22.2	5	23.5	25.7	30	22.2	5
		100	—	—	—	—	—	21.9	23.3	30	20.8	1	21.9	23.3	30	20.8	1	21.9	23.3	30	20.8	1
		200	—	—	—	—	—	20.1	20.7	29,30	19.6	1,2	20.2	20.7	28,29,30	19.6	1	20.2	20.7	28,29,30	19.6	1
	Dabaa	5	—	—	—	—	—	22.6	25.8	18	20.0	2	32.0	37.0	17	26.0	3,4,6	26.0	30.5	17	23.2	4
		10	—	—	—	—	—	22.5	25.2	18	19.6	12	28.5	32.2	17	24.4	6	27.2	30.6	17	24.0	4
		20	—	—	—	—	—	24.2	26.0	30	22.4	12	24.8	26.7	30	23.0	3	25.9	28.4	17	23.8	3·4
		50	—	—	—	—	—	24.8	26.2	30	23.6	*	24.8	26.1	30	23.6	*	24.8	26.0	30	23.6	*
		100	—	—	—	—	—	22.6	23.8	25,26	21.6	1,2,3	22.6	23.8	25,26	21.6	1·2,3	22.6	23.8	25·26	21.6	1·2,3
		200	—	—	—	—	—	20.9	21.5	27	20.4	1·2·3	20.9	21.5	27	20.4	1·2·3	20.9	21.5	27	20.4	1·2·3
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	El Arish	5	25.3	29.0	27	24.0	4	25.4	27.1	30	22.8	4	33.2	36.4	18	29.8	4	30.9	33.4	29	28.0	4
		10	27.2	29.0	26,28	25.5	2	25.7	27.6	30	23.6	4	31.6	33.6	18	29.2	4	30.4	33.6	29	28.4	20
		20	28.6	30.3	30	26.3	4	27.6	29.4	30	26.0	4	28.7	30.6	16	26.5	2	30.3	32.0	29	28.6	3
		50	28.6	30.2	30	27.3	6	28.7	30.2	30	27.2	8	27.6	30.0	30	27.2	6	28.5	30.0	30	27.3	5
		100	25.7	27.7	30	25.5	1	26.6	27.7	30	25.6	1,2	26.6	27.7	30	25.4	1	26.6	27.7	30	25.6	1
		200	24.8	25.8	29·30	23.9	2	24.8	25.8	30	24.0	2	24.8	25.8	28,30	24.0	1,2	24.8	25.8	30	24.0	1·2

* More than 2 day

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

JUNE 1963

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	Ghazza	5	27.6	31.0	24-25	25.0	29	26.4	28.4	19	24.8	20,27	36.6	40.1	18	33.0	28	31.3	34.4	19	28.2	28
		10	28.9	32.5	24	26.0	29	26.6	28.2	8	24.5	26	33.9	36.5	18	30.0	28	32.4	35.0	24	31.0	25-26,27
		20	29.6	31.8	8	27.0	29	27.9	29.5	19,25	25.1	27	30.5	32.0	25	29.0	2	31.7	33.0	17,24	30.0	4,27
		50	28.6	30.0	20,21	27.2	7	28.5	30.1	26	27.5	1,4	29.1	30.0	8	27.7	4	29.0	34.0	24	27.2	3
		100	29.9	32.0	29	28.0	1,5,6	30.2	31.0	29	28.5	1,10	30.3	32.1	28	28.1	3	30.2	31.7	30	28.0	2,5
		200	26.9	28.4	27	25.0	1	26.9	28.5	16,26	25.7	1	27.3	30.0	25	26.0	1-3	27.1	28.8	26	25.0	2
	Sakha	5	—	—	—	—	—	22.8	27.2	28	22.0	*	27.4	28.3	18	26.7	12	22.6	25.0	[illegible]	21.5	2
		10	—	—	—	—	—	23.0	26.0	29	22.0	2	26.7	27.4	28	26.0	2,4,12	22.9	25.7	29	21.0	1,2
		20	—	—	—	—	—	23.6	26.8	29	22.3	3	27.7	28.5	28	27.2	2	23.5	26.3	29	21.8	2
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	26.4	28.7	29	24.5	11	34.8	38.7	29	28.4	4	30.7	33.3	[illegible]	27.2	4
		10	—	—	—	—	—	29.4	31.8	30	27.4	5	32.7	35.5	29	28.6	6	32.4	35.0	29	28.5	3
		20	—	—	—	—	—	28.0	30.2	29	25.7	7	28.2	30.5	30	26.0	6	28.9	31.3	30	26.7	4
		50	—	—	—	—	—	30.8	33.0	30	29.3	5,6	30.6	32.8	30	28.8	7	30.7	33.0	30	29.0	6
		100	—	—	—	—	—	26.1	27.6	30	25.0	1,2	26.2	27.6	30	25.0	1,2	26.2	27.6	30	25.0	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tahrir	5	—	—	—	—	—	27.4	30.1	18	24.8	4	42.9	50.3	18	33.5	6	31.9	36.0	17,18	28.4	4
		10	—	—	—	—	—	26.7	29.2	19	24.4	12,13	37.7	42.7	18	30.4	6	34.3	38.1	18	30.1	6
		20	—	—	—	—	—	28.9	31.3	19	27.0	13	32.5	34.0	18	28.6	6	33.4	36.2	18	29.6	6
		50	—	—	—	—	—	29.9	31.9	30	28.1	7	29.4	31.4	30	27.9	7	29.7	31.5	29,30	28.2	6
		100	—	—	—	—	—	28.0	29.5	30	26.9	1	—	—	—	—	—	28.1	29.6	30	27.0	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	5	26.5	28.9	30	25.0	4	28.3	30.5	18	26.0	4	45.4	54.3	18	36.5	4	34.0	41.2	5	30.0	4
		10	30.2	32.5	30	28.4	5	29.1	31.3	27	27.0	4	37.1	39.7	18	32.7	4	34.9	42.0	5	31.7	4
		20	32.0	34.0	*	30.0	5	30.5	33.5	27	29.4	2	32.7	36.5	27	30.3	11	33.9	40.9	5	31.5	4,31
		50	31.5	33.5	30	29.1	1	31.3	33.2	30	29.8	5	30.9	32.9	30	29.5	5	31.7	39.9	5	30.0	6
		100	30.3	31.9	30	28.8	1	30.4	31.9	29-30	29.5	*	30.5	32.1	30	29.4	1	30.8	37.6	5	29.4	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

More than 3 days.

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

JUNE 1963

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
Cairo Area	Giza	5	28.5	31.3	19	26.5	13	28.8	31.0	19	27.2	12,13	42.0	46.9	18	41.4	6	35.4	39.3	18	32.9	6
		10	31.3	33.5	19	29.7	13	29.3	31.4	19	28.1	9,12,14	34.8	37.3	18	32.2	6	35.3	37.9	18	33.3	4
		20	31.7	33.2	30	30.4	7	30.9	32.4	30	29.8	13	31.0	32.4	29-30	29.9	13	32.1	33.5	30	30.7	6
		50	30.5	31.8	30	29.6	1	30.6	31.9	30	29.6	1	30.3	31.9	30	29.6	1	30.4	31.8	30	29.6	1,2
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Upper Egypt	Fayoum	5	—	—	—	—	—	25.1	27.0	29	23.5	9	33.3	35.0	18	28.0	8	29.0	31.0	*	26.5	8
		10	—	—	—	—	—	25.5	27.0	28,29,30	24.0	5,9	29.1	31.0	30	27.0	6	28.6	30.4	18	26.4	6
		20	—	—	—	—	—	26.3	28.0	28,29,30	23.1	9	26.9	29.1	30	25.5	4,8,9	27.1	29.0	28,29,30	25.9	8
		50	—	—	—	—	—	26.2	27.6	30	25.2	11,12	26.1	27.6	30	25.2	*	26.1	27.4	29,30	25.0	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya . . .(A)	5	30.3	33.8	29	28.0	4	28.2	34.0	20	26.0	4	35.7	39.0	18	33.0	6	33.8	36.0	17,18	32.0	8
		10	32.6	35.0	28	29.6	14	30.9	34.0	20	29.0	12	34.3	36.2	18	32.0	3	35.1	37.2	30	33.5	2,13
		20	31.5	33.5	28	30.2	14	31.0	33.0	30	29.7	14	31.7	33.0	26,29	30.5	13	32.4	34.0	27,29	31.0	2,13
		50	31.1	32.5	28,29,30	30.6	2	31.3	32.5	29,30	30.8	1,5	31.4	32.6	30	30.5	13	31.7	33.0	30	31.5	4
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mallawi . . .	5	—	—	—	—	—	28.1	29.5	19,20,30	26.0	12	37.2	40.0	29	33.5	6	36.4	40.0	26	32.0	6,7
		10	—	—	—	—	—	29.0	30.5	19,30	27.5	4	33.4	36.0	18,19	30.0	13	33.0	36.0	26	29.0	11
		20	—	—	—	—	—	29.7	31.0	19-30	28.5	4	29.4	31.0	*	28.8	2,4	29.8	31.0	19,28,31	28.8	2,4
		50	—	—	—	—	—	26.6	27.8	30	25.3	1	26.6	27.8	30	25.3	1	25.3	27.8	30	25.3	1
		100	—	—	—	—	—	24.1	25.4	30	23.2	1	23.4	25.4	30	23.2	1	24.1	25.4	30	23.2	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel . .	5	—	—	—	—	—	27.4	30.0	24,30	25.0	2,3	34.7	37.0	18,19,29	32.5	11	32.3	34.5	19	31.0	2
		10	—	—	—	—	—	28.6	30.5	30	26.3	4	31.7	33.0	29,30	30.0	3	31.9	33.0	18,29	30.5	2,3,4
		20	—	—	—	—	—	30.0	31.5	22	29.0	2,3,13	30.3	35.5	1	29.0	3,4	30.7	32.0	29,30	29.5	*
		50	—	—	—	—	—	29.4	30.5	7,20	27.5	1	30.8	31.5	*	30.0	*	30.9	31.5	*	30.0	5
		100	—	—	—	—	—	28.3	30.0	5	27.5	*	28.2	30.5	11	27.3	4	28.1	28.5	*	27.3	5
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

JUNE 1963

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
Upper Egypt	Nag Hammadi	5	—	—	—	—	—	25.3	27.0	7,8	24.0	3,4·26	38.6	45.0	30	34.0	4,5	28.2	41.1	17	25.0	5
		10	—	—	—	—	—	26.3	28.0	18,19	25.0	26	31.0	35.1	30	28.0	5	27.9	29.6	17	25.7	23
		20	—	—	—	—	—	27.4	29.0	8	26.0	26	28.7	35.0	30	27.0	4	27.8	29.0	8	26.2	30
		50	—	—	—	—	—	27.9	28.4	18	27.0	4·5,13	27.9	28.3	22,27	26.8	4	27.9	28.3	18	26.8	4
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo	5	—	—	—	—	—	23.9	25.2	16,29	20.5	12	36.0	40.0	17,18	31.0	16	28.2	31.8	18	23.8	10
		10	—	—	—	—	—	25.1	26.2	29	22.3	12	30.9	34.0	7	27.2	11	28.8	32.0	7	25.4	11
		20	—	—	—	—	—	26.8	28.5	8	24.8	12	27.2	29.5	7	25.5	11,12,13	27.8	30.0	7	26.2	11,12
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Western Desert	Siwa	5	30.2	33.5	30	28.0	1,9	28.3	31.8	30	26.0	1	33.6	37.2	17	29.6	4	33.5	36.4	17,18	30.2	3
		10	30.5	33.2	30	27.8	2	28.4	31.0	30	26.0	2	32.8	35.2	28	30.6	1	33.9	36.2	29.30	31.0	3
		20	30.7	33.0	29	27.0	2	28.9	31.2	29	25.4	2	31.6	36.6	28	29.0	3	33.4	37.0	15	30.4	1
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bahariya	5	30.3	34.4	18	27.9	2	27.1	31.0	18	24.1	13	37.4	43.4	18	33.7	6	35.8	41.4	18	32.4	1
		10	32.0	35.5	18	30.0	13	29.3	32.7	18	27.1	2	34.1	38.2	18	31.2	6,13	35.3	39.9	18	33.0	1
		20	32.9	35.8	19	30.5	2	31.5	33.9	19	30.0	1	31.7	34.0	18	29.5	13	33.4	36.4	18	31.4	13
		50	32.1	33.7	30	30.4	6	32.2	33.7	30	31.3	7	32.0	33.5	29	31.2	2,3,7	32.1	33.6	30	31.2	*
		100	30.2	31.2	29·30	29.2	1	30.2	31.6	30	29.2	2,4	30.2	31.3	30	29.2	1	30.2	31.9	30	28.5	6
		200	27.8	28.6	28,92,30	26.3	4	28.0	28.7	82,92,30	27.1	1·2	28.0	28.8	30	27.1	1,2	28.0	28.9	30	27.1	1
	Farafra	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	33.6	35.9	30	31.8	4	32.8	34.9	30	31.0	2	32.5	34.6	28,30	30.8	2,3	33.8	36.0	29	31.2	1
		50	31.6	32.9	29	30.5	2	30.9	33.2	30	30.5	5	31.7	33.2	30	30.4	2	32.0	33.2	30	30.4	2
		100	29.1	30.2	30	27.9	2	29.1	30.2	30	27.9	1	29.2	30.3	30	27.9	1	29.1	30.2	29,30	27.9	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Damanhour	5	—	—	—	—	—	24.4	26.9	28	22.5	12	34.8	38.5	29	30.0	4	27.2	30.8	17	21.2	11
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	26.4	28.0	30	25.4	7	26.4	28.1	30	25.3	7	26.4	28.0	30	25.3	7
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 8 — *FREQUENCY OF* OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

JUNE 1963

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	3	0	2	0	2	0	0	0	0	0	0	21	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	5	1	0	0	8	1	0	0	0	0	0	18	0
	Ras El Hikma	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	—	—
	Dabaa	0	0	0	0	0	0	0	0	0	0	7	1	0	0	0	0	0	—	—
	Dekheila (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0
	Ras El Teen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0
	Alexandria (A)	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	16	0
	Rosetta	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	25	0
	El Arish	0	0	0	0	0	0	2	2	2	0	3	0	0	0	0	0	0	18	1
	Ghazza	0	0	0	0	0	1	3	1	1	0	0	0	0	0	0	0	0	18	1
Lower Egypt	El Sirw	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	—	—
	Damanhour	0	0	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	0	0	—	—
	Tahrir	0	0	0	0	0	0	10	7	0	0	1	0	0	0	0	0	0	—	—
	Shebin El Kom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Zagazig	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	—	—
	Abu Sueir (A)	0	0	0	0	0	0	12	0	0	0	6	0	0	0	0	0	0	24	0
	Banha	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Zaher (A)	0	0	0	0	0	0	4	0	0	0	3	0	0	0	0	0	0	—	—
	Wadi El Natrun	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	—	—
	Inshas (A)	0	0	0	0	0	0	6	5	0	0	4	0	0	0	0	0	0	26	0
	Fayed (A)	0	0	0	0	0	0	1	0	1	0	4	0	0	0	0	0	0	—	—
	Kabrit (A)	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	—	—
	Delta Barrage	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cairo Area	Cairo (A)	0	0	0	0	0	0	8	4	11	0	4	0	0	0	0	0	0	23	0
	Mostafa Helmi (A)	0	0	0	0	0	0	17	6	9	0	15	0	0	0	0	0	0	24	0
	Almaza (A)	0	0	0	0	0	0	8	3	19	0	2	0	0	0	0	0	0	25	0
	Abbassiya (H.Q.)	0	0	0	0	0	0	5	0	4	0	2	0	0	0	0	0	0	24	0
	Imbaba (A)	0	0	0	0	0	0	2	0	8	0	3	0	0	0	0	0	0	—	—
	Giza	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	25	0
	Helwan	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	26	0

Table A 8 *(contd.)*. —FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.
JUNE 1963

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.	Dustetorm / 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 veye level < 1000 metres (snow storm)	Slight / moderate is. 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	—	—
	Minya (A)	0	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	27	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad) (A)	0	0	0	0	0	0	0	0	7	0	6	0	0	0	0	0	0	28	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena (A)	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor (A)	0	0	0	0	0	0	0	0	6	0	1	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	0	—	—
	Aswan (A)	0	0	0	0	0	0	0	0	1	0	6	1	0	0	0	0	0	30	0
Western Desert	Siwa	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	25	0
	Bahariya	0	0	0	0	0	1	0	0	0	0	4	0	0	0	0	0	0	25	0
	Farafra	0	0	0	0	0	0	0	0	4	0	5	0	0	0	0	0	0	—	—
	Dakhla	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	27	0
	Kharga	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	27	0
Red Sea	Suez	0	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	0	0		0	0	0	0	0	1	0	3	0	0	0	0	0	0	—	—
	Tor	0	0	0	0	0	0	5	0	0	0	2	0	0	0	0	0	0	25	0
	Hurghada	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	27	0
	Quseir	0	0	0	0	0	0	0	0	16	0	21	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

JUNE 1963

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	13	3	0	1–10	70	62	35	28	34	23	32	13	22	9	41	145	514
					11–27	29	3	22	27	5	0	4	4	2	1	12	81	190
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	99	65	57	55	39	23	36	17	24	10	53	226	704
	Mersa Matruh . (A)	11	7	0	1–10	80	54	13	19	24	13	3	5	20	69	69	34	403
					11–27	106	32	17	24	12	2	5	10	5	1	16	69	299
					28–47	0	1	0	0	0	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	86	30	43	36	15	8	15	25	70	85	103	702
	Dekheila . . . (A)	3	0	2	1–10	166	140	90	11	12	20	11	8	4	4	25	107	598
					11–27	22	15	21	27	7	2	0	0	0	0	6	17	117
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	188	155	111	38	19	22	11	8	4	4	31	124	715
	Ras El Teen	10	1	1	1–10	129	62	38	14	23	11	4	1	4	3	30	149	469
					11–27	69	35	37	4	3	3	0	0	0	0	12	77	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	198	97	75	18	26	14	4	1	4	3	42	226	708
	Alexandria . . (A)	18	0	4	1–10	11[illegible]	46	8	16	15	6	4	6	4	16	75	174	481
					11–27	34	30	34	5	1	0	0	0	0	0	39	74	217
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	145	76	42	21	16	6	4	6	4	16	114	248	698
	Port Said . . . (A)	1	0	0	1–10	133	59	25	7	9	13	2	2	3	21	50	51	375
					11–27	194	30	44	6	1	0	0	0	1	9	15	44	344
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	327	89	69	13	10	13	2	2	4	30	65	95	719
Lower Egypt	El Arish	2	25	0	1–10	136	71	25	15	16	63	35	48	54	18	43	133	657
					11–27	5	5	2	0	0	0	0	0	0	3	9	12	36
					28–47	0	0	0	0	0	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	76	27	15	44	63	35	48	54	21	52	145	693
	Ghazza	0	72	0	1–10	53	30	26	29	12	89	32	6	24	51	87	106	545
					11–27	40	17	2	0	0	0	0	0	2	9	6	27	103
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	93	47	28	29	12	89	32	6	26	60	93	133	648
	Mansoura	6	63	18	1–10	51	110	30	14	21	5	1	11	27	47	52	93	462
					11–27	12	42	33	6	0	0	0	1	5	3	23	46	171
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	63	152	63	20	21	5	1	12	32	50	75	139	633
	Tanta	57	1	0	1–10	92	75	50	34	22	10	0	5	44	39	102	157	630
					11–27	5	10	12	1	0	0	0	0	0	0	0	4	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	97	85	62	35	22	10	0	5	44	39	102	161	662

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

JUNE 1963

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	
Lower Egypt	Tahrir	2	8	0	1-10	141	119	40	28	15	10	2	7	7	33	88	120	610
					11-27	31	20	17	12	0	0	0	0	0	3	2	15	100
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	172	139	57	40	15	10	2	7	7	36	90	135	710
	Abu Sueir (A)	9	5	1	1-10	117	69	29	10	7	5	2	4	51	40	99	73	505
					11-27	90	40	13	1	1	0	0	1	6	5	24	19	200
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	207	109	42	11	8	5	2	5	57	45	123	92	705
	Zaher (A)	7	8	0	1-10	154	84	33	15	9	15	1	9	39	39	74	113	585
					11-27	28	40	20	0	2	4	0	1	5	3	3	14	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	182	124	53	15	11	19	1	10	44	42	77	127	705
Cairo Area	Cairo (A)	8	19	54	1-10	78	89	79	23	9	1	0	1	1	1	7	55	345
					11-27	63	92	31	33	16	2	1	1	4	7	5	40	294
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	141	181	110	56	25	3	1	2	5	8	12	95	639
	Mostafa Helmi (A)	0	0	0	1-10	80	89	33	9	18	7	3	1	0	0	6	57	303
					11-27	86	154	79	14	5	0	1	0	5	4	4	65	417
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	166	243	112	23	23	7	4	1	5	4	10	122	720
	Almaza (A)	0	1	0	1-10	132	233	147	10	13	2	1	5	7	3	35	61	649
					11-27	0	23	24	7	2	1	0	5	3	3	1	1	70
					28-47	0	0	0	0	0	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	256	171	17	15	3	1	10	10	6	36	62	719
	Abbasiya (H.Q)	18	3	2	1-10	331	158	34	3	0	0	1	9	4	2	29	87	658
					11-27	0	26	6	0	0	0	0	1	2	3	1	0	39
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	331	184	40	3	0	0	1	10	6	5	30	87	697
	Giza	11	5	5	1-10	238	186	36	5	0	3	3	1	7	3	10	124	616
					11-27	24	37	14	0	0	0	0	0	1	4	0	3	83
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	262	223	50	5	0	3	3	1	8	7	10	127	699
Upper Egypt	Fayoum	0	12	6	1-10	449	59	16	4	3	4	5	11	10	7	4	117	689
					11-27	3	4	0	1	0	0	0	1	1	0	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	452	63	16	5	3	4	5	12	11	7	4	120	702
	Minya (A)	4	0	0	1-10	172	69	1	6	6	15	9	5	2	7	19	149	460
					11-27	129	54	0	0	0	0	2	0	2	5	0	64	256
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	301	123	1	6	6	15	11	5	4	12	19	213	716

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

JUNE 1963

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 win blowing from the ranges of directions indicated												All directions
						345 / 014	015 / 044	045 / 074	075 / 104	105 / 134	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	315 / 344	
Upper Egypt	Asyout . . . . . (A)	2	0	0	1-10	4	9	1	4	0	2	19	90	190	89	44	14	466
					11-27	0	1	7	8	0	0	4	7	27	127	53	18	252
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**4**	**10**	**8**	**12**	**0**	**2**	**23**	**97**	**217**	**216**	**97**	**32**	**718**
	Luxor . . . . . (A)	51	0	0	1-10	122	101	28	11	11	7	32	55	39	36	54	141	**637**
					11-27	11	9	0	2	0	0	0	1	3	1	1	4	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	**133**	**110**	**28**	**13**	**11**	**7**	**32**	**56**	**42**	**37**	**55**	**145**	**669**
	Aswan . . . . . (A)	0	0	0	1-10	215	78	13	2	2	11	8	8	7	12	26	88	470
					11-27	168	37	1	0	0	1	0	2	5	4	2	31	250
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**383**	**115**	**13**	**2**	**2**	**12**	**8**	**10**	**12**	**16**	**28**	**119**	**720**
Western Desert	Siwa	54	1	0	1-10	55	76	69	89	50	29	16	22	23	34	54	53	**570**
					11-27	3	14	3	19	27	9	0	0	0	1	9	8	**93**
					28-47	0	0	0	0	2	0	0	0	0	0	0	0	2
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**58**	**90**	**72**	**108**	**79**	**38**	**16**	**22**	**23**	**35**	**63**	**61**	**665**
	Dakhla	10	4	0	1-10	111	136	46	17	14	21	20	27	18	32	68	168	**684**
					11-27	3	8	3	0	0	0	0	6	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	**114**	**144**	**49**	**17**	**14**	**27**	**20**	**33**	**18**	**32**	**68**	**170**	**706**
Red Sea	Hurghada	0	3	0	1-10	26	8	2	3	19	3	1	3	0	5	59	31	160
					11-27	64	0	0	3	11	4	0	0	0	17	158	273	530
					28-47	0	0	0	0	0	0	0	0	0	0	12	15	27
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**90**	**8**	**2**	**6**	**30**	**7**	**1**	**3**	**0**	**22**	**229**	**319**	**717**

Table A 1 0 —NU ER OF OCCURRENCES OF CONCRRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS.

SALLUM — JUNE 1963

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	2	2	0	1	0	0	0	1	0	0	1	3	9
				11-27	0	2	1	0	0	0	0	0	0	0	0	5	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	4	1	1	0	0	0	1	0	0	1	8	18
0300	14	0	0	1-10	1	0	1	1	0	0	0	1	0	1	2	3	10
				11-27	0	1	1	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	1	1	2	2	0	0	0	1	0	1	2	6	16
0600	12	0	0	1-10	2	0	0	1	0	0	0	0	0	1	2	5	11
				11-27	2	0	1	0	0	0	0	1	1	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	4	0	1	1	0	0	0	1	1	1	4	5	18
0900	1	0	0	1-10	1	5	4	6	0	0	0	1	0	0	1	1	19
				11-27	5	1	1	1	0	0	0	0	1	0	1	0	10
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	6	5	7	0	0	0	1	1	0	2	1	29
1200	2	0	0	1-10	2	4	5	1	0	0	0	0	0	0	0	0	12
				11-27	3	9	1	0	0	0	0	0	1	0	0	2	16
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	13	6	1	0	0	0	0	1	0	0	2	28
1500	1	0	0	1-10	4	2	4	0	2	1	0	0	0	0	0	0	13
				11-27	6	5	0	0	0	0	0	0	1	0	1	3	16
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	7	4	0	2	1	0	0	1	0	1	3	29
1800	5	0	0	1-10	5	2	6	2	0	0	0	0	0	0	1	2	18
				11-27	0	2	0	0	0	0	0	0	0	0	1	3	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	1	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	4	6	2	0	0	0	0	0	0	2	6	25
2100	14	0	0	1-10	1	2	2	1	0	0	0	0	0	0	1	2	9
				11-27	0	1	1	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	1	3	3	1	0	0	0	0	0	0	3	5	16

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 1963

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	2	0	0	0	2	0	0	2	7	4	1	8
				11–27	1	0	0	0	1	0	0	0	1	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	1	2	0	0	1	2	0	0	3	7	6	1	23
0300	3	0	0	1–10	0	1	0	1	0	1	0	1	3	10	4	0	21
				11–27	1	1	0	0	0	1	0	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	1	2	0	1	0	2	0	3	3	10	5	0	27
0600	0	0	0	1–10	1	3	0	0	1	0	0	1	0	0	4	8	18
				11–27	1	0	1	0	2	0	0	1	0	0	3	4	12
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	3	1	0	3	0	0	2	0	0	7	12	30
0900	0	0	0	1–10	5	4	0	0	1	0	0	0	0	1	0	2	13
				11–27	2	1	0	2	0	0	0	0	0	1	0	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	5	0	2	1	0	0	0	0	2	0	13	30
1200	0	0	0	1–10	2	3	0	0	0	0	0	0	0	0	0	1	6
				11–27	7	4	2	2	2	0	0	0	0	0	0	7	24
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	7	2	2	2	0	0	0	0	0	0	8	30
1500	0	0	0	1–10	5	3	0	1	0	0	0	0	0	0	0	0	9
				11–27	8	3	2	1	1	0	0	0	0	0	0	6	21
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	6	2	2	1	0	0	0	0	0	0	6	30
1800	1	0	0	1–10	4	3	1	1	3	0	0	0	0	0	1	8	21
				11–27	0	0	2	0	1	0	0	0	0	0	3	2	8
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	3	3	1	4	0	0	0	0	0	4	10	29
2100	5	0	0	1–10	1	2	0	0	0	2	1	0	1	2	6	3	18
				11–27	0	0	0	2	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	1	2	0	2	1	3	1	0	1	2	7	4	25

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

DEKHEILA (A) — JUNE 1963

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	6	0	0	1—10	4	2	0	0	1	1	0	0	0	1	4	4	17
				11—27	0	2	0	1	0	0	0	0	0	0	1	3	7
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	4	0	1	1	1	0	0	0	1	5	7	24
0300	8	0	0	1—10	0	3	1	0	0	0	1	0	0	1	3	8	17
				11—27	0	1	1	1	0	0	0	0	0	0	1	1	5
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	4	2	1	0	0	1	0	0	1	4	9	22
0600	1	0	0	1—10	4	6	0	0	1	0	0	2	0	1	7	5	26
				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	4	7	0	1	1	0	0	2	0	1	8	5	29
0900	0	0	0	1—10	4	0	1	1	0	0	0	0	0	0	3	9	18
				11—27	3	0	1	0	1	0	0	0	0	1	4	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	2	1	1	0	0	0	0	1	7	11	30
1200	0	0	0	1—10	2	0	0	0	0	0	0	0	0	0	3	3	8
				11—27	6	1	2	0	0	0	0	0	0	0	5	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	8	1	2	0	0	0	0	0	0	0	8	11	30
1500	0	0	0	1—10	3	0	1	0	0	0	0	0	0	0	1	1	6
				11—27	7	4	1	0	0	0	0	0	0	0	2	10	24
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	4	2	0	0	0	0	0	0	0	3	11	30
1800	1	0	0	1—10	12	3	0	0	0	0	0	0	0	0	1	7	23
				11—27	1	0	3	0	0	0	0	0	0	0	0	2	6
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	3	3	0	0	0	0	0	0	0	1	9	29
2100	1	0	0	1—10	10	2	0	3	0	0	0	0	0	0	5	5	25
				11—27	0	0	2	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	10	2	2	3	0	0	0	0	0	0	5	7	29

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

RAS EL TEEN – JUNE 1963

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

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

ALEXANDRIA (A) — JUNE 1963

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	4	2	0	0	1	1	0	0	0	1	4	4	23
				11-27	0	2	0	1	0	0	0	0	0	0	1	3	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	4	0	1	1	1	0	0	0	1	5	7	30
0300	8	0	0	1-10	0	3	1	0	0	0	1	0	0	1	3	8	17
				11-27	0	1	1	1	0	0	0	0	0	0	1	1	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	4	2	1	0	0	1	0	0	1	4	9	22
0600	1	0	0	1-10	4	6	0	0	1	0	0	2	0	1	7	5	26
				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	4	7	0	1	1	0	0	2	0	1	8	5	29
0900	0	0	0	1-10	4	0	1	1	0	0	0	0	0	0	3	9	18
				11-27	3	0	1	0	1	0	0	0	0	1	4	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	2	1	1	0	0	0	0	1	7	11	30
1200	0	0	0	1-10	2	0	1	0	0	0	0	0	0	0	3	3	9
				11-27	6	1	1	0	0	0	0	0	0	0	5	8	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	1	2	0	0	0	0	0	0	0	8	11	30
1500	0	0	0	1-10	3	0	1	0	0	0	0	0	0	0	1	1	6
				11-27	7	4	1	0	0	0	0	0	0	0	2	10	24
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	4	2	0	0	0	0	0	0	0	3	11	30
1800	1	0	0	1-10	12	3	0	0	0	0	0	0	0	0	1	7	23
				11-27	1	0	3	0	0	0	0	0	0	0	0	2	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	3	3	0	0	0	0	0	0	0	0	9	29
2100	1	0	0	1-10	10	2	0	3	0	0	0	0	0	0	5	5	25
				11-27	0	0	2	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	10	2	2	3	0	0	0	0	0	0	5	7	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) — JUNE 1963

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 dirns
0000	1	0	0	1-10	9	1	1	1	2	0	0	0	1	1	4	4	20
				11-27	1	2	2	0	0	0	0	0	1	1	3	2	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	3	3	1	2	0	0	0	2	2	7	6	29
0300	1	0	0	1-10	3	3	1	0	2	0	0	1	3	5	2	2	21
				11-27	1	2	2	1	0	0	0	0	1	1	0	0	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	5	3	1	2	0	0	1	4	6	2	2	29
0600	0	0	0	1-10	6	4	1	0	0	0	0	1	4	3	2	2	23
				11-27	1	0	2	2	0	0	0	0	2	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	7	4	3	2	0	0	0	1	6	3	3	2	30
0900	0	0	0	1-10	11	3	1	0	0	0	0	1	0	2	1	4	23
				11-27	4	1	0	0	0	0	0	0	0	0	1	1	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	4	1	0	0	0	0	1	0	2	2	5	30
1200	0	0	0	1-10	6	3	0	0	0	0	0	0	0	0	0	0	9
				11-27	18	2	0	0	0	0	0	0	0	0	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	24	5	0	0	0	0	0	0	0	0	0	1	30
1500	0	0	0	1-10	2	1	0	0	0	0	0	0	0	0	0	0	3
				11-27	18	1	2	0	0	0	0	0	0	0	0	6	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	2	2	0	0	0	0	0	0	0	0	6	30
1800	0	0	0	1-10	4	2	2	0	0	0	0	0	0	0	0	1	9
				11-27	12	2	2	0	0	0	0	0	0	0	0	5	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	16	4	4	0	0	0	0	0	0	0	0	6	30
2100	0	0	0	1-10	7	2	2	1	0	1	0	0	0	0	2	4	18
				11-27	5	2	2	1	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	12	4	4	2	0	1	0	0	0	0	3	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 — JUNE 1963

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	1	1	1	0	3	2	5	4	1	1	0	20
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	1	1	0	3	2	5	4	1	1	0	20
0300	4	0	0	1–10	0	1	1	0	2	7	3	7	4	0	0	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	0	1	1	0	2	7	3	7	4	0	0	1	26
0600	0	0	0	1–10	2	2	0	2	3	3	2	1	5	5	1	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	2	2	0	2	3	3	2	1	5	6	1	3	30
0900	0	0	0	1–10	12	2	1	0	0	0	0	0	0	0	5	8	28
				11–27	0	0	0	0	0	0	0	0	0	0	2	0	2
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	2	1	0	0	0	0	0	0	0	7	8	30
1200	0	0	0	1–10	9	2	0	0	0	0	0	0	0	0	2	12	25
				11–27	0	1	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	9	3	0	1	0	0	0	0	0	0	3	14	30
1500	0	0	0	1–10	10	5	0	0	0	0	0	0	0	0	1	13	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	10	5	0	0	0	0	0	0	0	0	1	14	30
1800	1	0	0	1–10	10	6	2	1	0	0	0	0	0	1	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	10	6	2	1	0	0	0	0	0	1	0	9	29
2100	12	0	0	1–10	3	1	1	1	2	2	0	2	3	0	3	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	3	1	1	1	2	2	0	2	3	0	3	0	18

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

GHAZZA — JUNE 1963

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	1	0	1	4	1	11	3	0	1	4	0	2	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	0	2	4	1	11	3	0	1	4	0	2	29
0300	0	0	0	1–10	0	1	0	1	4	18	2	1	0	2	0	0	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	0	1	1	1	4	18	2	1	0	2	0	0	30
0600	0	0	0	1–10	5	2	0	0	0	1	1	1	14	3	1	3	30
				11–27	0	0	0	0	0	0	0	0	0	0	0	1	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	2	0	0	0	1	1	1	14	3	1	4	30
0900	1	0	0	1–10	0	0	0	0	0	0	0	0	0	6	13	13	22
				11–27	2	1	0	0	0	0	0	0	0	2	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	0	0	0	0	0	8	14	18	29
1200	0	0	0	1–10	3	0	0	0	0	0	0	0	0	0	4	12	20
				11–27	2	0	0	0	0	0	0	0	0	1	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	5	0	0	0	0	0	0	0	0	1	6	15	30
1500	0	0	0	1–10	5	0	0	0	0	0	0	0	0	0	3	8	20
				11–27	4	3	0	0	0	0	0	0	0	0	0	0	10
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	3	0	0	0	0	0	0	0	0	3	3	30
1800	1	0	0	1–10	8	4	2	0	0	0	0	0	0	1	0	8	24
				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	12	5	2	0	0	0	0	0	0	1	0	8	29
2100	2	0	0	1–10	2	0	5	4	0	3	2	0	0	2	1	6	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	3	0	5	4	0	3	2	0	0	2	1	6	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) —JUNE 1963

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	2	0	1	0	0	0	0	2	2	8	0	16
				11-27	0	0	0	0	0	0	0	0	0	0	1	1	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	2	0	1	0	0	0	0	2	2	9	1	18
0300	12	0	0	1-10	1	0	1	0	0	1	0	1	7	3	1	2	17
				11-27	0	1	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	1	0	0	1	0	1	7	3	1	2	18
0600	3	0	0	1-10	2	4	1	0	0	1	0	1	2	6	3	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	2	5	2	0	0	1	0	2	2	6	3	5	27
0900	0	0	0	1-10	6	6	2	0	0	0	0	0	1	3	4	3	26
				11-27	0	1	0	0	1	0	0	1	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	6	7	2	0	1	0	0	1	2	1	5	3	30
1200	7	0	0	1-10	7	3	2	0	0	0	0	0	0	1	5	3	21
				11-27	0	0	1	0	1	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	3	3	0	1	0	0	0	0	1	5	3	23
1500	0	0	0	1-10	1	4	2	0	0	0	0	0	0	2	4	6	17
				11-27	5	2	0	0	0	0	0	1	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	6	6	2	0	0	0	0	1	0	1	5	9	30
1800	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	0	2	2
				11-27	11	8	1	0	0	0	0	0	0	1	1	6	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	8	1	0	0	0	0	0	0	1	1	8	30
2100	0	0	0	1-10	10	3	1	0	0	0	0	0	0	0	0	0	14
				11-27	9	3	0	0	0	0	0	0	0	0	2	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	19	6	1	0	0	0	0	0	0	0	2	2	30

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

CAIRO (A) — JUNE 1963

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	7	9	0	1	0	0	0	0	0	1	2	24
				11-27	0	0	0	2	1	0	1	0	0	0	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	7	9	2	2	0	1	0	0	0	1	2	28
0300	2	0	0	1-10	4	4	9	1	2	0	0	0	0	0	5	0	25
				11-27	0	0	0	2	1	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	4	9	3	3	0	0	0	0	0	5	0	28
0600	2	0	0	1-10	3	8	5	1	0	0	0	0	1	0	1	6	25
				11-27	0	0	2	0	0	0	0	1	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	8	7	1	0	0	0	1	1	0	1	6	28
0900	0	0	0	1-10	2	9	1	1	1	0	0	0	0	1	4	4	23
				11-27	0	3	2	0	0	0	0	0	2	0	0	0	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	12	3	1	1	0	0	0	2	1	4	4	30
1200	0	0	0	1-10	2	3	0	0	0	0	0	0	0	0	0	3	8
				11-27	9	3	0	2	0	0	0	0	0	1	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	11	6	0	2	0	0	0	0	0	1	3	7	30
1500	0	0	0	1-10	3	1	0	0	0	0	0	0	0	0	0	0	4
				11-27	7	9	2	0	0	0	0	0	0	0	2	6	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	10	10	2	0	0	0	0	0	0	0	2	6	30
1800	0	0	0	1-10	5	1	2	0	0	0	0	0	0	0	0	2	10
				11-27	4	9	5	1	0	0	0	0	0	0	0	1	20
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	10	7	1	0	0	0	0	0	0	0	3	30
2100	0	0	0	1-10	5	9	5	3	0	0	0	0	0	0	0	3	25
				11-27	0	1	1	3	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	5	10	6	6	0	0	0	0	0	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.

MOSTAFA HELMI (A). — JUNE 1963

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	4	2	0	2	1	0	0	0	0	0	8	23
				11-27	0	1	4	0	0	0	0	0	0	0	1	1	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	5	6	0	2	1	0	0	0	0	1	9	30
0300	0	0	0	1-10	1	4	3	1	2	0	1	0	0	0	0	13	25
				11-27	0	0	2	1	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	1	4	5	2	2	0	1	0	0	0	0	15	30
0600	0	0	0	1-10	1	3	3	0	1	2	1	0	0	0	0	8	19
				11-27	1	2	4	0	0	0	0	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	2	5	7	0	1	2	1	0	1	0	0	11	30
0900	2	0	0	1-10	1	7	1	1	0	0	0	0	0	0	0	5	15
				11-27	1	5	4	0	0	0	0	0	1	0	0	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
				A speeds	2	12	5	1	0	0	0	0	1	0	0	7	28
1200	0	0	0	1-10	1	3	1	0	0	0	0	0	0	0	1	2	8
				11-27	1	6	4	1	0	0	0	0	0	1	1	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	2	9	5	1	0	0	0	0	0	1	2	10	30
1500	0	0	0	1-10	0	1	1	0	0	0	0	0	0	0	0	1	3
				11-27	3	0	5	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	3	1	6	0	0	0	0	0	0	0	0	10	30
1800	0	0	0	1—10	0	0	1	0	0	0	0	0	0	0	0	0	1
				11-27	8	8	7	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	8	8	8	0	0	0	0	0	0	0	0	6	30
2100	0	0	0	1-10	4	3	2	0	0	0	0	0	0	0	0	5	14
				11-27	0	6	4	1	1	0	0	0	0	0	0	3	16
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	9	6	1	1	0	0	0	0	0	0	8	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 1963

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	13	9	0	2	0	0	0	0	0	2	0	29
				11-27	0	0	0	0	0	1	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**3**	**13**	**9**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**2**	**0**	**30**
0300	0	0	0	1-10	5	7	7	1	1	0	0	0	2	0	2	3	28
				11-27	0	0	1	1	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**5**	**7**	**8**	**2**	**1**	**0**	**0**	**0**	**2**	**0**	**2**	**3**	**30**
0600	0	0	0	1-10	6	11	4	0	0	0	0	1	0	2	2	2	28
				11-27	0	0	1	0	0	0	0	1	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**6**	**11**	**5**	**0**	**0**	**0**	**0**	**2**	**0**	**2**	**2**	**2**	**30**
0900	0	0	0	1-10	5	11	3	0	0	0	1	0	0	1	3	3	27
				11-27	0	0	2	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	**5**	**11**	**5**	**0**	**0**	**0**	**1**	**0**	**1**	**1**	**3**	**3**	**30**
1200	0	0	0	1-10	5	9	0	0	0	0	0	0	0	1	4	4	23
				11-27	0	2	3	0	0	0	0	0	1	1	0	0	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**5**	**11**	**3**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**4**	**4**	**30**
1500	0	0	0	1-10	7	7	1	0	0	0	0	0	0	0	5	3	23
				11-27	0	4	1	1	0	0	0	0	0	1	0	0	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**7**	**11**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**5**	**3**	**30**
1800	0	0	0	1-10	3	14	5	0	0	0	0	0	0	0	0	3	25
				11-27	0	2	3	0	0	0	0	0	0	0	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**3**	**16**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**30**
2100	0	0	0	1-10	2	13	8	0	2	0	0	0	0	0	0	1	26
				11-27	0	1	2	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	**2**	**14**	**10**	**1**	**2**	**0**	**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 ABBASIYA (H.Q.) — JUNE 1963

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	17	6	3	0	0	0	1	0	0	0	0	1	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	17	6	3	0	0	0	1	0	0	0	1	1	29
0300	4	0	0	1-10	13	7	0	0	0	0	0	0	1	0	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	7	0	0	0	0	0	0	1	0	1	4	26
0600	2	0	0	1-10	10	10	0	0	0	0	0	1	0	0	2	4	27
				11-27	0	1	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	11	0	0	0	0	0	1	0	0	2	4	28
0900	0	0	0	1-10	8	13	0	0	0	0	0	1	0	0	1	5	28
				11-27	0	1	0	0	0	0	0	1	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	14	0	0	0	0	0	2	0	0	1	5	30
1200	0	0	0	1-10	11	7	1	0	0	0	0	0	1	0	2	5	27
				11-27	1	1	0	0	0	0	0	0	0	1	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	8	1	0	0	0	0	0	1	1	5	5	30
1500	0	0	0	1-10	11	6	1	0	0	0	0	0	0	0	1	6	25
				11-27	0	3	0	0	0	0	0	0	0	0	1	1	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	9	1	0	0	0	0	0	0	0	2	7	30
1800	0	0	0	1-10	13	13	0	0	0	0	0	0	0	0	0	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	13	13	1	0	0	0	0	0	0	0	0	3	30
2100	2	0	0	1-10	12	11	3	1	0	0	0	0	0	0	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	12	11	3	1	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

GIZA — JUNE 1963

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the radges of directions indicated												
					345 / 014	015 / 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	7	1	0	0	0	1	0	0	0	1	11	27
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	1	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	2	0	0	0	1	0	0	0	1	11	28
0300	4	0	0	1-10	6	4	2	0	0	0	0	0	0	0	1	12	25
				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	4	3	0	0	0	0	0	0	0	1	12	26
0600	3	0	0	1-10	10	8	1	0	1	1	1	0	0	0	0	5	26
				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	9	1	0	1	1	1	0	0	0	0	5	27
0900	1	0	0	1-10	7	14	1	0	0	0	0	0	2	0	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	7	16	1	0	0	0	0	0	2	0	2	1	29
1200	0	0	0	1-10	7	9	1	0	0	0	0	0	0	2	0	4	23
				11-27	4	2	0	0	1	0	0	0	0	0	0	0	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	11	1	0	1	0	0	0	0	2	0	4	30
1500	0	0	0	1-10	9	7	0	1	0	0	0	0	0	0	1	2	20
				11-27	3	7	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	12	14	0	1	0	0	0	0	0	0	1	2	30
1800	0	0	0	1-10	9	13	0	0	0	0	0	0	0	0	0	2	24
				11-27	2	2	2	0	0	0	0	0	0	0	0	0	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	15	2	0	0	0	0	0	0	0	0	2	30
2100	0	0	0	1-10	9	10	3	0	1	0	0	0	0	0	0	6	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	9	10	4	0	1	0	0	0	0	0	0	6	30

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

HELWAN — JUNE 1963

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	3	1	0	0	0	0	0	0	0	1	0	18
				11–27	4	4	2	1	0	0	0	0	0	0	1	0	12
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	17	7	3	1	0	0	0	0	0	0	2	0	30
0300	3	0	0	1–10	8	7	3	0	0	1	0	0	0	0	0	2	21
				11–27	3	2	1	0	0	0	0	0	0	0	0	0	6
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	9	4	0	0	1	0	0	0	0	0	2	27
0600	4	0	0	1–10	8	2	1	1	0	0	0	0	0	0	0	3	15
				11–27	5	2	2	0	0	0	0	1	0	0	1	0	11
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	4	3	1	0	0	0	1	0	0	1	3	26
0900	1	0	0	1–10	3	3	0	0	1	0	0	0	0	1	2	4	14
				11–27	4	2	3	0	0	0	0	0	2	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	7	5	3	0	1	0	0	0	2	1	3	7	29
1200	1	0	0	1–10	3	0	0	1	0	0	0	0	0	1	2	2	9
				11–27	9	4	2	1	0	0	0	0	2	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	12	4	2	2	0	0	0	0	2	1	2	4	29
1500	0	0	0	1–10	3	0	0	1	1	0	0	0	0	0	0	1	6
				11–27	12	4	1	0	0	0	0	0	1	1	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	15	4	1	1	1	0	0	0	1	1	1	5	30
1800	0	0	0	1–10	0	0	1	1	0	0	0	0	0	0	0	1	3
				11–27	16	7	0	0	0	0	0	0	0	1	1	1	26
				28–47	0	0	1	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	7	2	1	0	0	0	0	0	1	1	2	30
2100	1	0	0	1–10	6	0	0	0	1	0	0	0	0	0	0	2	9
				11–27	10	8	1	0	0	0	0	0	0	0	0	0	19
				28–47	0	0	1	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	8	2	0	1	0	0	0	0	0	0	2	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 1963

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	0	0	0	0	1	1	0	0	0	0	12	24
				11-27	2	2	0	0	0	0	0	0	0	0	0	2	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**12**	**2**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**14**	**30**
0300	1	0	0	1-10	9	0	0	0	0	2	0	0	0	1	0	15	27
				11-27	2	0	0	0	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**11**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**1**	**0**	**15**	**29**
0600	1	0	0	1-10	11	2	0	0	0	1	0	0	1	0	1	5	21
				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	**18**	**3**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**1**	**5**	**39**
0900	0	0	0	1-10	7	5	1	1	0	0	0	0	1	1	0	3	18
				11-27	8	1	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	**15**	**6**	**1**	**1**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**4**	**30**
1200	0	0	0	1-10	7	1	1	0	0	1	0	0	1	0	0	2	13
				11-27	7	2	0	0	0	0	0	0	0	1	0	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	**14**	**3**	**1**	**0**	**0**	**1**	**0**	**0**	**1**	**1**	**0**	**9**	**30**
1500	0	0	0	1-10	10	4	0	0	0	1	1	0	0	1	0	0	14
				11-27	10	0	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	**20**	**4**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**1**	**1**	**2**	**30**
1800	1	0	0	1-10	15	7	0	0	0	1	0	0	0	0	0	3	26
				11-27	3	0	0	0	0	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**18**	**7**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**3**	**29**
2100	1	0	0	1-10	15	0	0	0	0	1	1	0	0	0	2	1	20
				11-27	5	4	0	0	0	0	0	0	0	0	0	0	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**20**	**4**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**2**	**1**	**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 1963

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	1	0	6	17	4	0	0	28
				11-27	0	0	0	0	1	0	0	0	1	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	1	1	0	6	18	4	0	0	30
0300	0	0	0	1-10	0	0	0	0	1	2	0	3	19	2	1	0	28
				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	2	0	4	20	2	1	0	30
0600	1	0	0	1-10	0	0	0	0	0	0	0	3	7	14	3	0	27
				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	0	0	0	0	0	0	3	7	16	3	0	29
0900	0	0	0	1-10	1	1	0	0	0	1	0	0	2	5	2	3	15
				11-27	0	0	0	0	0	0	0	0	1	7	6	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	1	1	0	0	0	1	0	0	3	12	8	4	30
1200	0	0	0	1-10	2	0	0	0	0	0	0	0	2	0	0	2	6
				11-27	0	1	0	0	0	0	0	1	1	12	5	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	2	1	0	0	0	0	0	1	3	12	5	6	30
1500	1	0	0	1-10	1	0	0	0	0	0	0	0	1	2	1	2	6
				11-27	0	0	1	0	0	0	0	2	0	14	1	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	1	0	1	0	0	0	0	2	1	16	2	6	29
1800	0	0	0	1-10	1	0	0	0	0	0	0	0	2	9	7	5	24
				11-27	0	0	1	1	0	0	0	0	0	3	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	0	1	1	0	0	0	0	2	12	8	5	30
2100	0	0	0	1-10	0	0	0	0	1	0	0	8	11	4	3	0	27
				11-27	0	0	0	1	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	0	0	0	1	1	0	0	8	11	4	5	0	30

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

LUXOR (A) — JUNE 1963

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	5	1	0	0	0	1	2	6	2	1	0	0	18
				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	5	1	0	0	0	1	2	7	2	1	0	0	19
0300	14	0	0	1-10	3	0	2	1	1	0	0	5	3	1	0	0	16
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	2	1	1	0	0	5	3	1	0	0	16
0600	15	0	0	1-10	6	3	3	1	0	0	0	0	1	0	1	0	15
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	3	3	1	0	0	0	0	1	0	1	0	15
0900	3	0	0	1-10	9	5	2	0	0	0	0	1	0	0	1	5	23
				11-27	3	0	0	0	0	0	0	1	0	0	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	5	2	0	0	0	0	2	0	0	1	5	27
1200	2	0	0	1-10	6	4	0	0	0	0	0	0	0	0	2	10	22
				11-27	2	3	0	0	0	0	0	0	1	0	0	6	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	7	0	0	0	0	0	0	1	0	2	10	28
1500	2	0	0	1-10	10	3	0	0	0	0	0	0	0	1	3	8	25
				11-27	1	0	1	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	11	3	1	0	0	0	0	0	0	1	3	9	28
1800	6	0	0	1-10	3	2	0	0	0	0	1	0	0	3	4	10	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	4	2	0	0	0	0	1	0	0	3	4	10	24
2100	14	0	0	1-10	4	2	1	2	0	1	3	2	0	0	0	0	15
				11-27	0	1	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	3	1	2	0	1	3	2	0	0	0	0	16

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

ASWAN (A) — JUNE 1963

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	5	1	0	1	0	0	1	0	0	0	7	19
				11–27	0	1	0	0	0	0	0	0	0	0	1	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	4	6	1	0	1	0	0	1	0	0	1	15	29
0300	0	0	0	1–10	3	1	0	0	0	1	0	0	0	0	2	16	23
				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	5	1	0	0	0	1	0	0	0	0	2	21	30
0600	2	0	0	1–10	1	3	1	0	0	0	0	1	0	0	0	7	13
				11–27	4	3	0	0	0	0	0	0	0	0	0	7	14
				28–47	0	0	0	0	0	0	0	0	0	0	0	1	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	6	1	0	0	0	0	1	0	0	0	15	28
0900	2	0	0	1–10	3	5	1	0	1	1	0	0	1	0	0	1	13
				11–27	1	6	1	0	0	0	0	0	0	0	0	5	13
				28–47	0	0	0	0	0	0	0	0	0	0	0	2	2
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	11	2	0	1	1	0	0	1	0	0	8	28
1200	0	0	0	1–10	1	1	3	0	0	0	1	0	0	3	1	6	16
				11–27	0	1	0	0	0	0	0	0	0	1	0	11	13
				28–47	0	0	0	0	0	0	0	0	0	0	0	1	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	2	3	0	0	0	1	0	0	4	1	18	30
1500	1	0	0	1–10	1	2	1	0	0	0	1	0	0	1	2	5	13
				11–27	2	1	0	0	0	0	0	0	0	1	1	11	16
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	3	1	0	0	0	1	0	0	2	3	16	29
1800	1	0	0	1–10	1	1	0	0	0	0	0	0	1	2	2	8	15
				11–27	1	1	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	2	2	0	0	0	0	0	0	1	2	2	20	29
2100	0	0	0	1–10	1	2	2	0	0	0	0	0	1	0	2	5	13
				11–27	2	2	0	0	1	1	0	0	0	0	0	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	3	4	2	0	1	1	0	0	1	0	2	16	30

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

SIWA — JUNE 1963

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges o direc ons ndicated												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	1	3	5	9	1	1	0	0	0	1	0	0	21
				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	1	4	5	10	2	1	0	0	0	1	0	0	24
0300	15	0	0	1-10	1	5	3	3	1	0	0	0	0	0	0	1	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	5	3	4	1	0	0	0	0	0	0	1	15
0600	11	0	0	1-10	2	3	4	2	2	1	0	0	0	0	0	1	16
				11-27	0	0	0	2	1	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	3	4	4	3	1	0	0	0	0	0	1	19
0900	2	0	0	1-10	3	1	0	2	2	2	1	1	3	3	1	2	24
				11-27	0	0	0	1	1	0	0	0	0	0	0	1	3
				28-47	0	0	0	0	1	0	0	0	0	0	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	1	0	3	4	2	1	1	3	3	1	3	28
1200	0	0	0	1-10	5	2	1	0	0	0	0	1	1	2	6	3	21
				11-27	0	0	0	1	2	0	1	0	0	1	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	5	2	1	1	2	0	1	1	1	3	9	4	30
1500	1	0	0	1-10	4	6	0	0	3	1	0	0	0	2	4	5	22
				11-27	1	0	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	5	6	0	0	3	1	0	0	0	2	6	6	29
1800	10	0	0	1-10	2	2	2	2	0	0	0	0	1	1	7	2	17
				11-27	0	0	0	1	0	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	2	3	0	0	0	0	1	1	7	2	20
2100	6	0	0	1-10	0	3	9	5	0	2	0	0	0	0	0	0	18
				11-27	0	4	0	1	1	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	0	7	9	6	1	1	0	0	0	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 1963

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	10	1	2	0	0	0	0	0	1	0	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	9	10	1	2	0	0	0	0	0	1	0	2	25
0300	17	0	0	1–10	4	5	0	1	0	0	0	0	0	1	1	1	13
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	5	0	1	0	0	0	0	0	1	1	1	13
0600	15	0	0	1–10	4	6	0	2	0	0	0	0	0	0	0	2	14
				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	6	0	2	0	0	0	0	0	1	0	2	15
0900	4	0	0	1–10	4	8	3	1	1	0	0	0	0	0	1	4	21
				11–27	1	1	0	1	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	5	9	3	2	1	0	0	0	0	0	2	4	26
1200	4	0	0	1–10	8	7	0	0	0	0	0	0	0	0	0	7	22
				11–27	2	1	0	0	1	1	0	0	0	1	2	0	8
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	8	0	0	1	1	0	0	0	1	2	7	30
1500	0	0	0	1–10	12	7	1	0	0	0	0	0	0	0	0	3	23
				11–27	0	1	0	0	0	2	0	0	0	1	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	12	8	1	0	0	2	0	0	0	1	0	6	30
1800	0	0	0	1–10	17	5	1	0	0	0	0	0	0	0	1	5	29
				11–27	0	1	0	0	0	0	0	0	0	0	0	0	1
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	17	6	1	0	0	0	0	0	0	0	1	5	30
2100	5	0	0	1–10	9	10	1	1	1	0	1	0	0	0	0	1	23
				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	9	11	1	1	1	0	1	0	0	1	0	1	25

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

DAKHLA — JUNE 1963

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	0	1	2	1	3	0	0	4	8	6	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	1	4	0	1	2	1	3	0	0	4	8	6	30
0300	1	0	0	1-10	0	0	4	0	0	3	1	4	2	5	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	0	0	4	0	0	3	1	4	2	5	4	6	29
0600	2	0	0	1-10	3	2	2	2	0	1	5	1	3	1	3	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	3	2	2	2	0	1	5	1	3	1	3	5	28
0900	0	0	0	1-10	8	6	3	1	0	1	1	0	0	0	2	5	27
				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	3	1	0	1	1	0	0	0	2	5	30
1200	0	0	0	1-10	7	6	1	1	1	1	0	0	0	0	1	7	25
				11-27	1	1	2	0	0	0	0	1	0	0	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	7	3	1	1	1	0	1	0	0	1	7	30
1500	0	0	0	1-10	15	5	0	1	0	0	0	0	0	0	0	5	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	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	5	2	1	0	0	0	2	0	0	0	5	30
1800	0	0	0	1-10	15	6	1	0	0	0	0	0	0	1	0	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	15	6	1	0	0	0	0	0	0	1	0	7	30
2100	1	0	0	1-10	5	1	2	0	1	0	3	0	0	2	1	13	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	5	2	2	0	1	0	3	0	0	2	1	13	29

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

KHARGA — JUNE 1963

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	9	0	0	0	0	0	0	0	0	0	0	0	9
				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	15	1	0	0	0	0	0	0	0	0	0	0	16
0300	16	0	0	1-10	8	0	0	0	0	0	0	0	0	0	0	0	8
				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	13	1	0	0	0	0	0	0	0	0	0	0	14
0600	12	0	0	1-10	11	1	0	0	0	0	0	0	0	0	0	1	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	15	2	0	0	0	0	0	0	0	0	0	1	18
0900	5	0	0	1-10	11	3	1	0	0	0	1	0	0	0	0	0	16
				11-27	6	3	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	17	6	1	0	0	0	1	0	0	0	0	0	25
1200	6	0	0	1-10	12	1	0	0	0	0	1	0	0	0	0	0	14
				11-27	8	2	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	20	3	0	0	0	0	1	0	0	0	0	0	24
1500	8	0	0	1-10	18	0	1	0	0	0	0	0	0	1	0	0	20
				11-27	5	1	0	0	0	0	0	0	1	0	0	0	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	23	1	1	0	0	0	0	0	1	1	0	0	27
1800	15	0	0	1-10	11	0	0	0	0	0	0	0	0	1	0	0	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
				1≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				A l speeds	14	0	0	0	0	0	0	0	0	1	0	0	15
2100	17	0	0	1-10	9	1	0	0	0	0	0	0	0	0	0	0	10
				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	12	1	0	0	0	0	0	0	0	0	0	0	13

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

TOR — JUNE 1963

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	1	0	0	0	0	0	1	4	4	10
				11-27	0	0	0	0	0	0	0	0	0	0	11	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	0	0	0	1	0	0	0	0	0	1	15	8	25
0300	4	0	0	1-10	0	0	0	0	0	0	1	0	0	1	5	2	7
				11-27	0	0	0	0	0	0	0	0	0	0	12	5	19
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	1	0	0	1	17	7	26
0600	2	0	0	1-10	1	0	0	0	0	0	1	0	0	2	4	2	9
				11-27	0	0	0	0	0	0	0	0	0	0	14	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	1	0	0	0	0	0	1	0	0	2	18	6	28
0900	0	0	0	1-10	0	0	0	0	0	0	1	0	0	2	3	1	6
				11-27	0	0	0	0	0	0	0	0	0	2	17	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	0	0	0	0	0	0	1	0	0	4	20	4	30
1200	0	0	0	1-10	0	0	0	0	0	0	2	0	0	0	4	1	5
				11-27	0	0	0	0	0	0	0	0	0	4	18	1	25
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	2	0	0	4	22	2	30
1500	1	0	0	1-10	0	0	0	0	0	0	0	1	0	3	6	0	10
				11-27	0	0	0	0	0	0	2	0	0	3	11	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	0	0	0	0	0	0	2	1	0	6	17	3	29
1800	7	0	0	1-10	0	0	0	0	0	0	0	0	0	2	5	4	11
				11-27	1	0	0	0	0	0	0	0	0	0	9	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	0	0	0	0	0	2	14	6	23
2100	6	0	0	1-10	0	0	0	0	0	0	1	0	0	0	4	1	6
				11-27	0	0	0	0	0	0	0	0	0	0	13	5	18
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	1	0	0	0	17	6	24

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

HURGHADA — JUNE 1963

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	1	0	0	0	0	1	2	4	8
				11–27	0	0	0	0	0	0	0	0	0	1	13	6	20
				28–47	0	0	0	0	0	0	0	0	0	0	1	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	1	0	0	0	0	2	16	10	29
0300	0	0	0	1–10	0	0	0	1	1	0	0	0	0	0	5	3	10
				11–27	0	0	0	0	0	0	0	0	0	0	7	10	17
				28–47	0	0	0	0	0	0	0	0	0	0	2	1	3
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	1	1	0	0	0	0	0	14	14	30
0600	0	0	0	1–10	1	0	0	0	1	0	0	0	0	0	0	1	3
				11–27	0	0	0	0	0	1	0	0	0	0	1	24	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	1	0	0	0	1	1	0	0	0	0	1	26	30
0900	0	0	0	1–10	1	1	0	0	0	0	0	0	0	0	0	0	2
				11–27	11	0	0	1	0	1	0	0	0	0	0	15	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	12	1	0	1	0	1	0	0	0	0	0	15	30
1200	0	0	0	1–10	2	1	0	0	0	0	0	0	0	0	0	0	3
				11–27	12	0	0	0	1	1	0	0	0	0	0	11	25
				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	14	1	0	0	1	1	0	0	0	0	0	13	30
1500	0	0	0	1–10	2	1	0	1	1	1	0	0	0	0	0	2	8
				11–27	3	0	0	0	0	0	0	0	0	0	0	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	1	1	1	0	0	0	0	0	21	30
1800	1	0	0	1–10	0	0	0	0	1	2	1	0	0	0	2	2	8
				11–28	0	0	0	0	0	0	0	0	0	0	11	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	0	0	0	0	1	2	1	0	0	0	13	12	29
2100	1	0	0	1–10	0	0	0	0	1	0	0	0	0	1	6	3	11
				11–27	0	0	0	0	0	0	0	0	0	1	14	3	18
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	1	0	0	0	0	2	20	6	29

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

QUSEIR — JUNE 1963

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	0	0	0	0	0	0	0	1	3	3	6	14
				11-27	2	0	0	0	0	0	0	0	0	0	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	3	0	0	0	0	0	0	0	1	3	5	13	25
0300	2	0	0	1-10	1	0	0	0	0	0	0	0	0	2	1	7	11
				11-27	2	0	0	0	0	0	0	0	0	0	1	14	17
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	0	0	0	0	0	0	0	2	2	21	28
0600	0	0	0	1-10	1	1	1	0	0	0	0	0	0	0	0	0	3
				11-27	9	0	0	0	0	0	0	0	0	0	0	17	26
				28-47	1	0	0	0	0	0	0	0	0	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	1	1	0	0	0	0	0	0	0	0	17	30
0900	0	0	0	1-10	2	0	1	1	1	0	0	0	0	0	0	0	5
				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	19	0	1	1	1	0	0	0	0	0	0	8	30
1200	0	0	0	1-10	5	1	0	1	0	0	0	0	0	0	0	0	7
				11-27	17	1	0	0	1	0	0	0	0	0	0	4	23
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	22	2	0	1	1	0	0	0	0	0	0	4	30
1500	0	0	0	1-10	9	0	0	1	1	0	0	0	0	0	0	10	21
				11-27	4	0	0	0	0	0	0	0	0	0	0	5	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	0	0	1	1	0	0	0	0	0	0	15	30
1800	12	0	0	1-10	1	0	0	0	0	0	0	0	0	0	3	8	12
				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	3	0	0	0	0	0	0	0	0	0	4	11	18
2100	11	0	0	1-10	1	0	0	0	0	0	0	0	0	1	3	11	16
				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	0	0	0	0	0	1	3	13	19

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — JUNE 1963

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	1009mb.	1015mb.	1003mb.	28	20.7	28.5	17.2	28	17.7
1000	28	124	173	71	28	17.5	29.2	16.0	28	17.0
850	28	1531	1585	1473	28	17.9	26.0	10.3	25	1.2
700	28	3157	3232	3076	28	7.8	11.9	0.6	15	— 6.7
600	28	4409	4487	4308	28	0.6	4.5	— 5.3	7	—11.7
500	28	5842	5923	5716	28	— 10.0	— 4.6	—16.2	2	—16.9
400	28	7523	7634	7362	28	—22.8	—15.3	—29.0	3	—28.6
300	28	9569	9714	9355	28	—37.6	—31.0	—44.5	—	—
200	28	12270	12462	12002	28	—52.0	—46.8	—57.3	—	—
150	27	14104	14285	13875	27	—58.5	—51.7	—64.8	—	—
100	25	16598	16778	16444	25	—66.5	—58.7	—71.8	—	—
60	21	19710	19835	19474	21	—60.1	—56.0	—63.9	—	—
40	11	22266	22392	22033	11	—55.0	—51.2	—60.8	—	—
30	2	24149	24149	24084	2	—50.7	—50.0	—51.4	—	—
20	1	26768	—	—	1	—44.8	—	—	—	—
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

MERSA MATRUH (A) — 1200 U.T. — JUNE 1963

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	1009mb.	1014mb.	1004mb.	28	24.5	32.1	21.3	28	19.5
1000	28	122	166	80	27	23.8	33.1	20.1	27	18.4
850	28	1531	1564	1485	28	18.6	25.1	9.2	23	— 0.7
700	28	3166	3212	3120	28	8.9	12.2	2.8	13	— 7.9
600	28	4421	4476	4365	28	0.1	4.6	— 5.2	9	—13.9
500	28	5854	5929	5746	28	— 9.3	— 2.5	—19.3	5	—23.7
400	28	7541	7646	7368	28	—21.8	—13.9	—30.8		—
300	27	9605	9768	9369	27	—36.0	—27.8	—43.0	—	—
200	25	12331	12568	12013	25	—51.5	—47.1	—58.2	—	—
150	25	14166	14423	13854	25	—59.3	—50.0	—65.3	—	—
100	19	16680	16893	16395	19	—67.1	—61.5	—72.5	—	—
60	11	19775	19905	19533	11	—59.2	—56.5	—64.5	—	—
40	2	22307	22314	22300	2	—51.3	—50.7	—52.0	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Nnmber of observation of specified pressure surfaces.

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—0000 U.T. — JUNE 1963

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	995mb.	999mb.	985mb.	30	21.8	32.8	18.8	30	12.6
1000	—	—	—	—	—	—	—	—	—	—
850	30	1504	1538	1438	30	20.2	30.6	12.8	15	2.3
700	30	3148	3208	3087	30	10.5	13.7	5.5	9	— 7.9
600	30	4499	4498	4340	30	1.9	8.7	— 2.7	7	—13.3
500	30	5854	5990	5761	30	— 7.5	5.3	—13.5	5	—20.8
400	30	7548	7750	7411	30	—20.5	—11.2	—28.0	5	—33.1
300	30	9612	9884	9410	30	—35.1	—27.5	—42.7	1	—45.3
200	29	12336	12658	12028	29	—51.4	—49.0	—58.0	—	—
150	28	14178	14488	13893	28	—60.1	—52.8	—64.0	—	—
100	27	16648	16940	16456	27	—69.2	—61.0	—73.4	—	—
60	25	19744	20033	19605	25	—61.9	—59.1	—67.9	—	—
40	16	22360	22573	22169	16	—55.1	—52.7	—60.4	—	—
30	11	24143	24437	24002	11	—51.6	—48.3	—54.3	—	—
20	7	26847	27129	26664	7	—46.7	—44.0	—49.1	—	—
10	4	31499	31770	31364	4	—39.4	—37.0	—43.7	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—1200 U.T. — JUNE 1963

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.	998mb.	990mb.	30	34.2	42.6	29.3	30	6.9
1000	—	—	—	—	—	—	—	—	—	—
850	30	1519	1559	1482	29	20.2	27.8	14.4	24	— 0.8
700	30	3162	3206	3110	30	10.5	14.3	6.5	6	— 7.1
600	30	4424	4475	4358	30	2.0	6.0	— 2.2	7	—14.1
500	30	5869	5945	5782	30	— 7.6	— 0.6	—12.6	3	—22.3
400	30	7566	7695	7443	30	—20.1	—12.5	—26.8	3	—30.4
300	30	9640	9823	9460	30	—34.1	—29.1	—41.1	—	—
200	30	12372	12596	12115	30	—51.0	—47.4	—58.8	—	—
150	29	14212	14423	13972	29	—59.5	—52.3	—64.1	—	—
100	26	16672	16868	16527	26	—69.6	—63.2	—79.8	—	—
60	20	19768	20001	19646	20	—59.0	—52.8	—65.5	—	—
40	14	22347	22455	22269	14	—51.7	—47.8	—54.3	—	—
30	10	24223	24326	24171	10	—48.8	—45.5	—50.1	—	—
20	4	26910	26933	26880	4	—42.4	—41.0	—44.0	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) —0000 U.T. — JUNE 1963

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	* 985mb.	* 988mb.	* 981mb.	30	28.0	33.5	23.5	30	2.3
1000	—	—	—	—	—	—	—	—	—	—
850	30	1494	1530	1454	30	25.1	36.0	17.0	5	— 1.3
700	30	3158	3241	3113	30	12.8	19.4	7.3	8	— 8.0
600	30	4427	4533	4381	30	2.0	6.4	— 1.6	17	—14.2
500	30	5871	5991	5804	30	— 7.9	— 2.4	—12.9	12	—20.6
400	30	7578	7713	7504	30	—17.7	—13.5	—26.5	—	—
300	30	9669	9804	9495	30	—32.7	—28.6	—39.6	—	—
200	30	12407	12555	12186	30	—52.6	—49.7	—57.5	—	—
150	29	14223	14389	14005	29	—63.9	—59.5	—68.0	—	—
100	28	16633	16836	16413	28	—74.8	—65.7	—78.6	—	—
60	19	19678	19852	19405	19	—62.0	—56.1	—65.8	—	—
40	14	22252	22468	21918	14	—55.9	—50.7	—60.9	—	—
30	—	—	—	—	—	—	—	—	—	—
20										
10										

* The atmospheric pressur eocorrected to the elevation of the radiosonde station.

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — JUNE 1963

Persure surface (millibar)	Altitude of pressure surface (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface	30	* 984mb.	* 988mb.	* 980mb.	30	41.6	48.5	37.0	30	2.7
1000	—	—	—	—	—	—	—	—	—	—
850	30	1516	1553	1480	30	29.1	36.8	22.4	3	— 2.7
700	30	3199	3264	3149	30	15.6	19.9	11.8	4	— 9.1
600	30	4480	4556	4425	30	5.4	9.0	1.8	9	—12.6
500	30	5938	6019	5882	30	— 5.2	0.2	— 9.2	7	—19.6
400	30	7659	7738	7592	30	—15.7	—10.5	—21.1	—	—
300	30	9770	9884	9669	30	—30.4	—25.3	—37.0	—	—
200	29	12545	12674	12382	29	—49.9	—42.6	—55.5	—	—
150	28	14369	14499	14180	28	—62.4	—57.5	—66.7	—	—
100	24	16808	16929	16715	24	—73.1	—69.4	—76.8	—	—
60	13	19887	20010	19768	13	—59.7	—55.5	—64.2	—	—
40	4	22501	22628	22360	4	—51.4	—46.0	—58.8	—	—
30										
20										
10										

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

e number of cases teelement has been observed during the month.

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 1963

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	4354 (28)	605 (28)	—10.8 (8)	5140	552	—	3340	680	—11.0	11354 (27)	234 (27)	—50.4 (27)	14520	144	—63.6	9160	308	—45.3	13900	152	250	130
Helwan . . . . (A)	4759 (30)	575 (30)	—14.4 (6)	6400	474	—	4130	618	—	12284 (28)	214 (28)	—52.9 (28)	16747	100	—73.2	7860	384	—22.0	12300	195	250	150
Aswan . . . . (A)	4742 (30)	579 (30)	—14.7 (14)	5520	524	—	4200	618	—	15425 (23)	124 (23)	—71.1 (23)	16685	100	—72.2	12500	199	—53.6	11200	234	260	97

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

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 1963

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)	4493 (28)	594 (28)	—12.5 (9)	5500	522	—	3480	670	—	11363 (25)	236 (25)	—48.4 (25)	14200	152	—60.9	9500	305	—33.7	15400	120	270	170
Helwan	4751 (30)	577 (30)	—13.6 (6)	5830	504	—	4170	614	—	12176 (26)	215 (26)	—52.6 (26)	16210	110	—71.0	8460	35[illegible]	—26.0	14820	135	260	150
Aswan . . . (A)	5231 (30)	547 (30)	—16.7 (7)	6030	496	—	4770	526	—	15625 (24)	1[illegible]4 (24)	—68.4 (24)	17640	86	—71.9	13180	178	—55.8	9800	295	220	100

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

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 1963

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	10	2	9	1	8	2	15	1	24	1	7	0	—	1	12	3	7	7	6	5	10	1	5	2	28	8
1000	2	10	2	9	1	8	2	15	1	24	1	7	0	—	1	12	3	7	7	6	5	10	1	5	2	28	8
850	3	11	5	16	0	—	0	—	2	21	0	—	0	—	0	—	2	19	3	27	6	14	7	16	0	28	17
700	1	10	1	27	0	—	0	—	1	17	1	14	0	—	2	13	2	29	10	22	5	16	5	12	0	28	18
600	2	8	0	—	1	5	0	—	1	4	0	—	0	—	1	11	2	25	7	33	8	18	2	13	1	28	19
500	0	—	0	—	0	—	1	3*	1	7	0	—	1	14	1	22	7	25	13	27	3	25	1	8	0	28	23
400	0	—	0	—	0	—	0	—	1	10	0	—	1	25	2	26	7	36	13	33	4	20	0	—	0	28	30
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	34	13	59	10	39	0	—	1	9	0	28	40
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	37	13	54	8	52	1	42	0	—	0	27	50
150	0	—	0	—	0	—	0	—	0	—	0	—	2	27	4	34	12	63	4	59	0	—	0	—	0	22	54
100	0	—	0	—	0	—	0	—	2	20	0	—	1	8	2	22	6	41	3	61	0	—	0	—	0	14	37
60	0	—	0	—	1	17	4	12	1	18	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	6	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

MERSA MATRUH (A)—1200 U.T.—JUNE 1963

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	12	3	13	2	19	0	—	1	16	0	—	0	—	0	—	0	—	0	—	9	13	8	16	0	28	11
1000	5	12	3	13	2	19	0	—	1	16	0	—	0	—	0	—	0	—	0	—	9	13	8	16	0	28	11
850	1	10	2	16	1	8	1	22	1	25	0	—	0	—	0	—	1	30	3	21	10	15	8	14	0	28	16
700	0	—	2	8	0	—	0	—	1	5	1	26	1	29	1	8	4	21	9	17	6	20	3	18	0	28	17
600	1	7	0	—	0	—	0	—	0	—	2	8	4	12	1	33	5	25	6	28	5	17	4	21	0	28	20
500	1	5	0	—	0	—	1	5	0	—	0	—	2	20	4	21	6	29	9	21	4	19	0	—	0	27	25
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	26	6	37	11	34	4	23	0	—	1	27	30
300	0	—	0	—	1	6	0		0	—	0	—	0	—	3	31	10	43	10	43	0	—	0	—	0	24	40
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	40	11	49	4	57	0	—	0	—	0	20	48
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	13	9	49	3	79	0	—	0	—	0	13	53
100	0	—	0	—	0	—	1	20	0	—	0	—	1	20	1	17	2	43	1	38	0	—	0	—	0	6	30
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

HELWAN - 0000 U.T. — JUNE 1963

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	9	7	13	3	12	0	—	1	15	0	—	0	—	0	—	0	—	0	—	0	—	2	11	0	30	11
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	6	16	7	20	5	12	0	—	0	—	0	—	0	—	1	36	1	43	1	24	5	16	4	16	0	30	18
700	3	18	3	14	1	10	0	—	0	—	0	—	0	—	2	30	3	32	8	28	3	24	7	16	0	30	23
600	2	32	1	9	0	—	1	3	1	2	0	—	0	—	1	32	6	37	10	35	7	15	1	10	0	30	27
500	0	—	1	12	1	7	0	—	0	—	1	14	1	30	1	34	10	39	11	31	4	26	0	—	0	30	31
400	0	—	0	—	0	—	0	—	0	—	0	—	1	22	2	17	6	45	13	36	3	21	2	22	0	27	34
300	0	—	0	—	0	—	0	—	0	—	1	14	0	—	0	—	8	40	14	47	1	35	0	—	0	24	43
200	0	—	0	—	0	—	0	—	0	—	0	—	1	24	1	20	10	51	8	53	0	—	0	—	0	20	54
150	0	—	0	—	0	—	0	—	0	—	2	16	0	—	2	33	6	61	3	39	0	—	0	—	0	13	45
100	0	—	0	—	0	—	1	18	0	—	2	24	1	18	1	27	2	21	3	48	0	—	0	—	0	10	39
60	0	—	1	8	0	—	3	25	0	—	1	5	0	—	0	—	1	91	0		0	—	0	—	0	6	30
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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.—JUNE 1963

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	14	6	18	0	—	2	11	0	—	0	—	0	—	0	—	2	15	1	8	2	9	4	11	1	30	13
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	5	12	9	15	2	8	1	8	1	10	1	7	0	—	0	—	2	24	1	12	2	14	5	13	0	29	13
700	1	11	2	26	2	18	0	—	1	6	1	3	0	—	2	32	12	20	5	18	2	10	2	32	0	30	20
600	0	—	1	27	0	—	0	—	0	—	0	—	0	—	1	8	9	41	13	15	3	12	2	16	0	29	23
500	1	18	1	9	0	—	0	—	0	—	0	—	3	18	0	—	13	34	8	28	3	24	0	—	0	29	28
400	0	—	0	—	0	—	0	—	0	—	1	27	1	26	1	18	5	38	16	33	2	28	1	25	0	27	32
300	0	—	0	—	0	—	0	—	0	—	0	—	1	14	1	24	9	48	12	44	2	38	0	—	0	25	43
200	0	—	0	—	0	—	0	—	0	—	0	—	2	16	2	68	8	55	7	61	0	—	0	—	0	19	54
150	0	—	0	—	0	—	0	—	0	—	1	18	1	22	4	31	5	56	2	48	0	—	0	—	0	13	41
100	0	—	0	—	0	—	0	—	1	30	2	14	0	—	0	—	4	60	0	—	0	—	0	—	0	7	42
60	0	—	0	—	0	—	2	24	1	27	1	12	0	—	0	—	0	—	0	—	0	—	0	—	0	4	22
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	21	13	3	8	1	3	0	—	2	8	0	—	0	—	0	—	0	—	0	—	0	—	1	10	2	30	11
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	3	12	7	14	4	14	2	15	0	—	1	5	1	14	1	9	0	—	2	6	3	16	6	17	0	30	14
700	1	1	3	13	1	16	2	15	2	10	0	—	2	14	5	14	1	15	8	16	3	14	2	16	0	30	14
600	1	6	0	—	3	13	0	—	0	—	1	21	2	17	6	18	7	22	5	20	3	16	2	18	0	30	18
500	0	—	1	18	1	6	2	6	3	14	3	8	0	—	4	23	5	22	6	28	3	14	2	21	0	30	18
400	1	13	3	8	0	—	4	12	2	6	1	18	1	36	1	14	8	25	4	33	2	16	2	16	0	29	19
300	0	—	1	17	2	8	1	29	2	16	1	11	2	7	1	20	7	32	4	40	6	18	1	9	1	29	22
200	0	—	0	—	1	3	3	16	1	28	2	16	1	10	1	8	8	39	4	42	5	23	1	30	1	28	27
150	0	—	0	—	0	—	3	20	1	20	2	27	0	—	6	25	5	43	1	15	0	—	1	24	1	20	27
100	0	—	0	—	0	—	2	27	3	26	1	5	2	16	3	14	3	56	0	—	0	—	0	—	1	15	25
60	0	—	0	—	0	—	3	48	1	18	1	45	0	—	0	—	0	—	0	—	0	—	0	—	0	5	41
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	10	1	8	0	—	0	—	0	—	0	—	0	—	0	—	2	14	1	6	0	—	3	9	5	30	8
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	6	15	1	2	3	10	1	9	0	—	0	—	2	10	1	2	3	11	2	10	5	13	5	11	1	30	11
700	0	—	0	—	3	16	0	—	0	—	1	5	0	—	7	16	8	19	5	16	2	18	3	13	1	30	16
600	0	—	0	—	2	17	1	15	0	—	0	—	3	12	6	19	5	15	5	28	5	17	2	8	1	30	17
500	0	—	1	7	1	10	4	10	2	10	0	—	2	26	3	24	8	18	4	20	3	17	2	8	0	30	16
400	0	—	0	—	3	8	3	14	4	18	1	18	0	—	1	3	7	32	6	20	4	19	1	11	0	30	20
300	0	—	0	—	1	5	1	10	2	7	4	10	1	40	2	62	7	27	8	24	2	27	1	9	0	29	23
200	0	—	0	—	0	—	2	21	3	17	2	16	0	—	3	19	7	40	6	32	2	29	0	—	1	26	27
150	0	—	0	—	0	—	1	17	5	19	3	18	1	21	1	18	4	48	2	17	1	7	0	—	1	19	23
100	0	—	0	—	0	—	2	32	8	21	0	—	—	—	1	65	2	31	0	—	0	—	0	—	0	13	29
60	0	—	0	—	0	—	2	38	2	36	0	—	—	—	0	—	0	—	0	—	0	—	0	—	0	4	37
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

REVIEW OF AGRO-METEOROLOGICAL STATIONS

GIZA—JUNE 1963

This month was slightly warmer than normal. The mean air temperature at 2 metres above ground was + 0.4°C above normal and the mean relative humidity was nearly normal (+ 1%). The total rainfall was below normal (— 1 mm.). The month was characterized by two short heat waves whose peaks occurred on the 7th. and the 18th. giving maximum temperatures 40.5 & 43.0° C respectively. The first heat wave gave the lowest relative humidity on the 7th., and the second gave the absolute maximum air temperature on the 18th.

The extreme maximum soil temperatures in the dry field at 0.3 and 1 cm. depths were lower than the corresponding values for June 1962 by 5.5 & 3.0 °C respectively. At 2, 5 & 10 cms. depths, the values were higher than those of June 1962 by 0.1, 0.5 & 0.7 °C respectively. At 20, 50 & 100 cms. depths, the values were equal to the corresponding values of last June.

The exteme minimum soil temperatures in the dry field at 0.3 and 5 cms. depths were equal to the corresponding values for June 1962. The values at 1 and 2 cms. depths were lower than the corresponding values for June 1962 by 0.9 and 1.4 °C respectively. At 10, 20, 50, & 100 cms. depths, the values were higher than those of last June by 0.1, 0.3, 0.5 & 0.5 °C respectively.

The mean daily wind speed was slightly lower than the corresponding value of last June (—0.2 m/sec). The mean daily Piche evaporation, water pan evaporation and potential evapotranspiration were higher than the corresponding values of last June by 0.2, 1,03 & 0.5 mms. respectively. The mean daily potential evaporation was lower by 0.7 mm. than the corresponding value of June 1962. The total duration of bright sunshine was 5.7 hours lower than the corresponding value of last June.

TAHRIR—JUNE 1963

This month was a usual summer month with only two remarkable heat waves occurring with peaks on the 7th. & 18th., the second being more intense, yielding the extreme maximum air temperature, the lowest mean daily vapour pressure and relative humidity, and the highest free water evaporation.

Comparing this month with June of last year, the deviations were : —0.7 °C, 1% & + 2.8 mms. concerning mean air temperature, mean relative humidity and mean vapour pressure respectively. Mean Piche and water pan evaporations were less than those of last year by 2.0 & 1.49 mms. respectively. Sunshine duration was less than last year's by 25.2 hours or 6% of the possible duration.

The highest values of soil temperatures in the shallow layers from 0.3 to 2 cms. depths were less by 2 to 4 °C ; then from 10 cms. to 1 metre depths they were higher by 0.4 to 0.8 °C. The lowest values were exclusively less by 1.2 to 0.3 °C down to 1 metre depth.

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

GIZA — JUNE 1963

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	30.6	19.5	24.5	21.4	26.1	24.0	24.0	24.0	24.0	24.0	22.0	10.0	0.0	0.0	0.0	0.0
2	32.7	17.1	25.1	20.1	26.6	24.0	24.0	24.0	24.0	24.0	19.0	13.5	5.0	0.0	0.0	0.0
3	33.3	17.5	26.2	21.7	28.0	24.0	24.0	24.0	24.0	24.0	22.0	13.0	8.0	0.0	0.0	0.0
4	35.3	20.4	26.4	21.5	28.3	24.0	24.0	24.0	24.0	24.0	24.0	11.5	6.0	0.0	0.0	0.0
5	36.8	21.8	27.9	22.4	30.4	24.0	24.0	24.0	24.0	24.0	24.0	14.0	8.0	0.0	0.0	0.0
6	36.8	20.0	27.7	20.6	29.2	24.0	24.0	24.0	24.0	24.0	24.0	16.0	8.0	2.0	0.0	0.0
7	40.5	21.9	30.8	25.1	34.8	24.0	24.0	24.0	24.0	24.0	24.0	18.0	11.0	9.0	0.0	0.0
8	32.0	19.9	24.8	20.4	26.8	24.0	24.0	24.0	24.0	24.0	24.0	11.0	2.0	0.0	0.0	0.0
9	32.4	17.8	24.8	19.4	26.5	24.0	24.0	24.0	24.0	24.0	17.5	12.0	5.0	0.0	0.0	0.0
10	31.9	17.5	24.8	20.3	26.9	24.0	24.0	24.0	24.0	24.0	19.5	11.5	2.5	0.0	0.0	0.0
11	30.4	17.8	24.2	19.9	25.7	24.0	24.0	24.0	24.0	24.0	21.0	11.0	0.0	0.0	0.0	0.0
12	31.5	18.2	24.4	19.6	26.5	24.0	24.0	24.0	24.0	24.0	18.5	10.5	3.5	0.0	0.0	0.0
13	34.3	17.4	25.7	19.0	28.1	24.0	24.0	24.0	24.0	24.0	17.5	13.5	7.0	0.0	0.0	0.0
14	35.7	18.2	27.1	20.3	29.6	24.0	24.0	24.0	24.0	24.0	17.0	14.5	9.5	0.0	0.0	0.0
15	35.0	19.0	26.6	21.5	29.0	24.0	24.0	24.0	24.0	24.0	22.5	14.0	8.0	0.0	0.0	0.0
16	35.6	19.1	27.5	21.0	29.4	24.0	24.0	24.0	24.0	24.0	21.5	15.5	10.0	0.0	0.0	0.0
17	39.2	17.6	30.1	22.3	33.0	24.0	24.0	24.0	24.0	24.0	20.5	17.5	15.0	7.2	0.0	0.0
18	43.0	19.2	31.7	23.5	35.7	24.0	24.0	24.0	24.0	24.0	22.5	17.5	14.5	10.0	6.5	0.0
19	33.9	21.9	26.5	24.4	28.9	24.0	24.0	24.0	24.0	24.0	24.0	12.0	6.0	0.0	0.0	0.0
20	31.3	19.1	24.6	20.1	26.5	24.0	24.0	24.0	24.0	24.0	21.5	10.0	1.0	0.0	0.0	0.0
21	31.8	17.8	24.6	19.3	26.4	24.0	24.0	24.0	24.0	24.0	19.5	11.0	3.5	0.0	0.0	0.0
22	33.4	18.5	25.6	19.9	27.3	24.0	24.0	24.5	24.0	24.0	20.0	13.0	6.5	0.0	0.0	0.0
23	33.7	19.1	26.1	21.0	27.7	24.0	24.0	24.5	24.0	24.0	20.5	13.0	7.5	0.0	0.0	0.0
24	35.1	19.9	27.0	21.5	29.1	24.0	24.0	24.0	24.0	24.0	24.0	14.0	8.5	0.0	0.0	0.0
25	35.5	21.2	27.5	22.0	29.5	24.0	24.0	24.0	24.0	24.0	24.0	15.5	12.5	0.0	1.0	0.0
26	35.5	20.9	28.1	22.3	30.1	24.0	24.0	24.0	24.0	24.0	24.0	16.0	10.0	0.0	0.0	0.0
27	36.6	20.7	28.5	22.7	30.7	24.0	24.0	24.0	24.0	24.0	24.0	16.0	10.5	3.5	0.0	0.0
28	36.5	21.2	28.4	23.6	30.3	24.0	24.0	24.0	24.0	24.0	24.0	15.5	10.0	3.5	0.0	0.0
29	37.0	20.4	28.4	23.0	30.9	24.0	24.0	24.0	24.0	24.0	24.0	15.0	10.5	4.5	0.0	0.0
30	35.4	21.2	27.2	22.6	29.0	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	720.0	720.0	720.0	720.0	720.0	654.5	409.5	317.0	40.0	6.5	0.0
Mean	34.8	19.4	26.8	21.4	28.9	24.0	24.0	24.0	24.0	24.0	21.8	13.6	7.2	1.3	0.2	0.0

Highest maximum at 2 metres 43.0 °C on 18th. Highest minimum at 2 metres 21.9 °C on 7&19th.

Lowest maximum at 2 metres 30.4 °C on11 th. Lowest minimum at 2 metres 17.1 °C on 2nd.

Absolute minimum temperature at 5 cms. Above dry soil 13.3 °C on 2nd

" " " " wet soil 13.8 °C on 2nd

" " " grass 11.9 °C on 15th.

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

TAHRIR — JUNE 1963

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	30.6	18.7	23.6	21.6	25.7	24.0	24.0	24.0	24.0	24.0	19.0	9.0	0.0	0.0	0.0	0.0
2	32.6	16.0	23.9	19.4	26.6	24.0	24.0	24.0	24.0	24.0	17.5	11.0	3.5	0.0	0.0	0.0
3	33.1	16.2	24.4	20.4	27.3	24.0	24.0	24.0	24.0	24.0	17.5	11.0	5.0	0.0	0.0	0.0
4	32.5	18.3	23.6	20.9	25.7	24.0	24.0	24.0	24.0	24.0	18.5	7.5	3.0	0.0	0.0	0.0
5	32.6	16.6	25.4	21.4	28.2	24.0	24.0	24.0	24.0	24.0	22.5	11.5	6.5	0.0	0.0	0.0
6	30.4	17.0	23.9	20.3	25.6	24.0	24.0	24.0	24.0	24.0	16.5	12.0	0.5	0.0	0.0	0.0
7	36.9	20.8	27.3	24.2	30·3	24.0	24.0	24.0	24.0	24.0	24.0	12.0	8.0	2.0	0.0	0.0
8	30.4	19.2	24.3	21.7	26.5	24.0	24.0	24.0	24.0	64.0	23.0	10.0	0.0	0.0	0.0	0.0
9	32.1	16.4	23.9	19.8	26.5	24.0	24.0	24.0	24.0	24.0	17.0	10.0	4.5	0.0	0.0	0.0
10	30.7	17.2	23.5	20.8	26.0	24.0	24.0	24.0	24.0	24.0	16.0	9.5	0.0	0.0	0.0	0.0
11	30.3	16.2	22.8	19.2	25.3	24.0	24.0	24.0	24.0	24.0	15.5	9.0	0.0	0.0	0.0	0.0
12	31.3	15.2	23.3	19.6	26.2	24.0	24.0	24.0	24.0	24.0	15.5	10.5	3.0	0.0	0.0	0.0
13	34.1	15.5	24.5	19.2	27.9	24.0	24.0	24.0	24.0	24.0	17.0	11.0	6.5	0.0	0.0	0.0
14	35.6	18.0	26.0	21.1	29.1	24.0	24.0	24.0	24.0	24.0	19.0	12.5	7.5	0.0	0.0	0.0
15	34.2	18.6	25.8	22.0	28.7	24.0	24.0	24.0	24.0	24.0	18.0	12.0	7.5	0.0	0.0	0.0
16	35.4	18.4	26.7	21.7	29.1	24.0	24.0	24.0	24.0	24.0	18.0	14.0	9.0	0.0	0.0	0.0
17	39.3	19.8	30.0	24.6	33.5	24.0	24.0	24.0	24.0	24.0	24.0	17.0	12.0	8.0	0.0	0.0
18	43.6	20.1	31.1	25.4	35.4	24.0	24.0	24.0	24.0	24.0	24.0	16.0	12.5	8.5	5.0	0.0
19	32.0	21.0	25.5	24.8	27.5	24.0	24.0	24.0	24.0	24.0	24.5	11.0	4.0	0.0	0.0	0.0
20	30.1	18.2	24.0	21.3	26.2	24.0	24.0	24.0	24.0	24.0	19.0	10.0	0.0	0.0	0.0	0.0
21	30.8	17.2	23.9	20.3	26.3	24.0	24.0	24.0	24.0	24.0	18.0	10.0	2.0	0.0	0.0	0.0
22	32.8	17.0	24.7	20.7	27.4	24.0	24.0	24.0	24.0	24.0	18.5	11.0	5.5	0.0	0.0	0.0
23	33.9	19.6	25.7	21.8	28.1	24.0	24.0	24.0	24.0	24.0	23.0	11.5	6.5	0.0	0.0	0.0
24	35.0	19.2	26.2	22.4	28.9	24.0	24.0	24.0	24.0	24.0	20.5	12.0	8.0	0.0	0.0	0.0
25	34.8	19.9	27.1	23.8	29.3	24.0	24.0	24.0	24.0	24.0	24.0	13.5	8.0	0.0	0.0	0.0
26	34.9	19.4	26.9	23.0	29.6	24.0	24.0	24.0	24.0	24.0	22.5	13.5	9.0	0.0	0.0	0.0
27	36.3	18.6	26.6	22.7	29.2	24.0	24.0	24.0	24.0	24.0	20.0	13.5	8.0	2.5	0.0	0.0
28	36.7	20.4	27.3	23.3	30.0	24.0	24.0	24.0	24.0	24.0	24.0	13.0	8.5	3.0	0.0	0.0
29	37.0	20.2	27.2	23.6	30.1	24.0	24.0	24.0	24.0	24.0	24.0	13.0	8.5	2.5	0.0	0.0
30	35.0	20.2	26.7	23.1	29.1	24.0	24.0	24.0	24.0	24.0	24.0	14.5	7.5	0.0	0.0	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	72.0	72.0	72.0	72.0	72.0	604	352	164.5	26.5	5.0	0.0
Mean	33.8	18.4	25.5	21.8	28.2	24.0	24.0	24.0	24.0	24 0	20.1	11.7	5.5	0.9	0.2	0.0

Highest maximum at 2 metres 43.6°C on 18th. Highest minimum at 2 metres 21.0°C on 19th.

Lowest maximum at 2 metres 30.1°C on 20th. Lowest minimum at 2 metres 15.2°C on 12th.

Absolute minimum temperature at 5 cms above dry soil 13 8 °C on 12th.

" " " " 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 — JUNE 1963

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	2.9	2.3	3.7	618	11.2	14.0	85	0	2	58	37	12.2	11.4	16.1	14.62	0.0
2	2.1	1.9	2.4	638	12.5	14.0	89	0	4	58	28	12.2	9.3	17.5	11.19	0.0
3	2.5	2.2	2.9	609	12.2	14.0	87	0	2	54	19	11.4	7.1	21.9	13.93	0.0
4	3.6	2.4	3.9	453	7.0	14.0	50	0	0	54	17	10.7	7.1	29.5	14.83	Tr.
5	4.3	4.7	3.7	654	12.1	14.0	86	0	0	42	21	10.2	9.0	22.3	14.80	0.0
6	2.9	3.0	2.7	369	4.0	14.0	29	0	2	40	27	10.7	10.1	23.0	11.21	0.0
7	3.1	1.8	5.0	580	11.2	14.0	80	0	0	39	20	11.1	10.8	26.8	14.72	0.0
8	3.0	2.7	3.5	535	6.8	14.0	49	0	7	61	33	12.7	11.4	15.3	10.77	0.0
9	2.5	2.1	3.1	663	11.6	14.0	83	0	5	58	30	11.8	10.1	18.4	11.92	0.0
10	2.8	2.3	3.5	666	12.8	14.0	91	0	1	56	29	11.5	9.6	18.6	14.73	0.0
11	3.3	2.8	4.1	645	12.6	14.0	90	0	2	52	32	10.8	9.8	20.8	13.78	0.0
12	4.1	3.2	5.4	664	12.7	14.0	91	0	0	57	36	12.3	11.9	20.4	13.73	0.0
13	4.4	3.4	5.8	656	12.7	14.0	91	0	3	54	25	11.6	9.4	24.9	15.63	0.0
14	2.9	2.4	3.5	638	12.7	14.1	91	0	1	55	25	11.8	10.2	22.6	14.98	0.0
15	2.8	2.1	3.7	646	12.8	14.1	91	0	0	51	30	12.0	11.2	21.3	14.85	0.0
16	2.8	2.4	3.3	630	12.6	14.1	89	0	4	52	26	12.5	10.8	21.3	13.96	0.0
17	1.9	1.0	3.1	624	12.5	14.1	89	0	0	30	20	10.3	9.6	24.9	17.04	0.0
18	1.7	1.0	2.7	607	12.4	14.1	88	0	0	39	15	12.1	8.8	28.4	18.19	0.0
19	3.7	3.4	4.2	631	11.4	14.1	81	0	6	64	37	14.5	13.4	18.7	13.81	0.0
20	3.4	3.1	3.8	655	12.8	14.1	91	0	4	55	37	12.0	11.6	17.3	14.18	0.0
21	2.8	2.2	3.6	669	12.7	14.1	90	0	3	53	37	11.7	11.4	18.7	14.62	0.0
22	3.1	2.5	3.9	645	12.5	14.1	89	0	2	62	36	14.1	12.5	17.7	13.08	0.0
23	3.4	3.0	3.9	614	11.0	14.1	78	3	7	62	41	14.8	14.6	18.5	11.66	0.0
24	3.2	2.6	4.0	630	11.5	14.1	82	0	5	62	31	14.4	12.6	20.7	13.07	0.0
25	2.6	2.4	2.9	633	12.0	14.1	85	0	4	61	29	14.4	11.1	17.8	12.93	0.0
26	2.6	2.1	3.2	648	12.9	14.1	91	0	4	59	32	15.0	12.7	20.1	13.82	0.0
27	3.1	2.7	3.9	655	12.6	14.1	89	2	4	56	33	14.9	14.0	20.6	14.25	0.0
28	3.5	3.1	4.0	650	12.5	14.1	89	0	5	62	36	16.3	15.5	19.6	13.19	0.0
29	3.2	2.9	3.6	654	12.6	14.1	89	0	4	64	28	15.7	12.2	19.9	14.28	0.0
30	3.0	2.6	3.4	669	12.0	14.1	85	5	8	68	37	16.1	14.2	15.3	11.58	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	18648	348.9	421.7	2483	10	89	—	—	—	—	618.9	415.37	Tr.
Mean	3.0	2.6	3.7	622	11.6	14.1	83	0	3	55	29	12.8	11.1	20.6	13.35	—

Maximum amount of rainfall in one day	Tr.	mms.	on	4 th
Lowest value of relative humidity	12	%	on	7 th
Highest value of vapour pressure	18.9	mms.	on	30th.
Lowest value of vapour pressure	6.4	mms.	on	4 th.

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 — JUNE 1963

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	4.3	4·1	4.7	732	12.5	14.0	89	0	9	66	38	13.1	11.6	14.8	10.94	0.0
2	2.4	2.0	2.9	735	12.6	14.0	90	0	8	62	30	12.4	10.2	14.7	10.92	0.0
3	2.9	2.3	3.6	694	11.3	14.0	81	4	9	59	24	11.5	8.2	17.8	12.31	0.0
4	4.8	3.8	6.2	483	5.6	14.0	40	0	8	70	35	13.5	12.1	20.4	13.08	Tr.
5	5.5	5.5	5.6	721	12.3	14.0	88	0	4	58	40	13.8	14.4	19.1	13.45	0.0
6	3.4	2.6	4.3	411	1.6	14.0	11	6	8	65	43	13.6	13.4	19.7	13.63	0.0
7	4.9	4.6	5.5	714	10.7	14.0	76	0	2	62	29	14.3	12.8	22.5	15.53	0.0
8	4.1	3.7	4.7	703	9.9	14.0	71	0	7	64	36	12.8	10.6	15.4	11.52	0.0
9	3.5	2.8	4.2	764	12.1	14.1	86	6	9	68	30	12.9	10.4	16.6	12.22	0.0
10	3.1	2.1	4.4	768	12.5	14.1	89	3	10	68	34	13.1	10.9	15.8	11.59	0.0
11	3.1	2.3	4.3	761	12.6	14.1	89	4	8	63	35	11.9	10.6	17.2	13.12	0.0
12	4.0	2.4	6.1	758	12.7	14.1	90	4	9	64	34	12.5	11.2	17.5	12.85	0.0
13	4.4	3.0	6.2	755	13.0	14.1	92	7	9	62	34	13.7	13.5	22.7	15.39	0.0
14	3.2	2.8	3.8	744	12.6	14.1	89	0	7	48	26	11.2	10.4	21.2	14.71	0.0
15	3.4	2.5	4.2	754	12.8	14.1	91	1	3	61	30	13.5	11.8	15.8	13.20	0.0
16	2.5	2.3	2.9	684	10.7	14.1	76	8	8	62	31	14.2	12.3	17.8	11.64	0.0
17	2.4	1.7	3.5	714	12.6	14.1	89	0	0	36	21	11.3	10.7	25.8	16.28	0.0
18	2.7	2.0	3.7	708	12.6	14.1	89	0	2	33	61	10.4	9.4	25.2	16.78	0.0
19	4.3	3.8	5.0	753	12.6	14.1	89	0	9	68	46	15.6	15.8	15.4	11.66	0.0
20	3.8	2.7	5.3	785	13.1	14.1	93	0	7	58	42	12.9	12.7	18.6	14.04	0.0
21	3.5	2.6	4.5	786	12.8	14.1	91	0	2	63	34	13.0	11.1	15.7	12.58	0.0
22	3.2	2.4	4.3	771	12.4	14.1	88	4	10	69	36	14.6	12.6	14.0	11.04	0.0
23	3.1	2.7	3.7	731	10.9	14.1	77	0	10	68	38	15.1	13.7	14.4	11.65	0.0
24	3.6	2.9	4.4	733	10.5	14.1	74	8	12	76	29	15.6	11.7	17.5	12.30	0.0
25	3.5	3.0	4.0	755	12.0	14.1	85	7	8	68	37	16.2	14·8	17.4	13.47	0.0
26	2.8	2.6	3.0	768	13.1	14.1	93	0	8	60	38	15.4	15.1	16.4	13.23	0.0
27	3.0	2.3	4.0	734	10.7	14.1	76	7	11	76	33	17.2	14.1	15.2	10.10	0.0
28	3.5	2.9	4.1	753	11.1	14.1	79	7	10	69	33	16.1	13.9	18.6	13.19	0.0
29	3.5	3.1	3.7	743	11.4	14.1	81	8	11	70	29	15.8	12.5	18.1	12.30	0.0
30	3.6	2.8	4.4	725	11.2	14.1	79	7	8	68	37	16.6	15.1	15.4	12.24	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	21632	342.5	422.2	—	91	226	—	—	—	—	538.4	386.96	Tr
Mean	3.5	2.9	4.4	721.1	11.4	14.1	81	3.0	7.5	63	33	13.8	12.3	17.9	12.90	—

Maximum amount of rainfall in one day	Tr.	mms.	on	4th
Lowest value of relative humidity	14	%	on	18th
Highest value of vapour pressure	20.3	mms.	on	27th
Lowest value of vapour pressure	8.0	mms.	on	1st

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

GIZA — JUNE 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	68.0	20.0	36.2	17.0	35.2	20.0
1	62.0	20.2	34.6	16.8	32.2	19.3
2	60.4	20.5	33.0	17.0	30.9	19.8
5	46.9	24.4	31.2	18.5	29.1	21.1
10	39.1	27.9	28.8	20.4	28.1	22.1
20	33.6	29.6	26.9	22.1	26.8	23.3
50	31.9	29.6	25.3	22.9	25.7	23.5
100	29.4	27.4	23.7	22.2	23.8	22.2
200	26.5	25.0	21.8	20.8	22.3	21.2
300	24.9	24.0	—	—	—	—

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

TAHRIR — JUNE 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	61.4	17.8	—	—	—	—
1	55.3	18.2	—	—	—	—
2	53.9	17.8	—	—	—	—
5	50.3	20.0	—	—	—	—
10	43.3	23.4	—	—	—	—
20	36.3	27.0	—	—	—	—
50	32.0	27.9	—	—	—	—
100	29.6	26.8	—	—	—	—
200	26.8	24.8	—	—	—	—
300	25.4	23.8	—	—	—	—
600	24.2	23·9	—	—	—	—

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

GIZA — JUNE 1963

10 Knots or more	30 Days	30 Knots or more	0 Days
15 ,, ,, ,,	13 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	3 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	0 ,,	The highest gust 34 knots on13th	

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

TAHRIR — JUNE 1963

10 Knots or more	29 Days	30 Knots or more	0 Days
15 ,, ,, ,,	18 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	2 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	0 ,,	The highest gust 28 knots on13th	

PRINTED IN A.R.E. BY
THE GENERAL ORGANIZATION
FOR GOVT. PRINTING OFFICES. CAIRO
ALY SULTAN ALY
UNDER-SECRETARY OF STATE
Chairman of the Board of Directors

7825 1969-150

THE ARAB REPUBLIC OF EGYPT

MONTHLY WEATHER REPORT

VOLUME 6 NUMBER 7

JULY, 1963

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

THE EGYPTIAN METEOROLOGICAL AUTHORITY
CAIRO

CONTENTS

PAGES

General Summary of Weather Conditions 1–3

Surface Data

Table A 1.—Monthly Mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level . . . . . 4•5

„ A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours . . . . . 6•7

„ A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity . . . . . 8•9

„ A 4.—Maximum and Minimum Air Temperatures . . . . . 10•11

„ A 5.—Rainfall and Snow Depth . . . . . 12•13

„ A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 14

„ A 7.—Soil Temperatures at Fixed Hours 15–18

„ A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena 19–20

„ A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges 21–23

„ A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 24–50

Upper Air Data

Table B 1.—Upper Air Climatological Data. 51–53

„ B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air . . . . . 54•55

„ B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces 56–59

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 tables, please refer to Volume 6, Number 1 (January 1963).

GENERAL SUMMARY OF WEATHER CONDITIONS

JULY 1963

Mild and humid in the northern parts, hot in the middle parts, excessively hot and abnormally dry in the southern parts. Early morning low stratus and mist patches over the Delta, Canal and Cairo areas most days of the month

THE MAIN FEATURES

— A prevailing excessive heat wave during the 4th week with a pronounced peak on the 23rd.

— Humid in the northern parts, rather humid in the middle parts, and pronouncedly dry in the southern parts.

Three southward extensions of the prevailing upper air troughs north of the Black Sea towards Asia Minor & East Mediterranean and three associatd western elongation of the Iraq Monsoon.

— Widespread early morning clouds over Lower Egypt and Cairo districts.

— Fresh to strong winds for several days in the Red Sea and western parts of Mediterranean districts.

GENERAL DESCRIPTION OF WEATHER

The northern parts of the Republic enjoyed fairly mild and rather humid weather. Maximum temperatures ranged between 29°C & 32°C, while relative humidity exceeded 65% during day hours.

The middle parts experienced hot and changeable weather. Maximum temperatures oscillated between 33°C & 38°C, but reached 41°C on the 23rd in Helwan, Fayoum and Minya.

The southern parts suffered excessively hot and markedly dry weather. Maximum temperatures ranged between 39°C & 43°C while relative humidity did not exceed 35% during the month.

Surface wind was fresh to strong for several days over scattered localities of the western part of the northern coast, most of the Red Sea district and Aswan.

Early morning low clouds and mist developed most of the month over Delta, Canal 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					
	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	1008.3	+0.8	30.4	+0.4	22.6	+0.5	26.5	+0.5	72	— 1	0.0	0.0
Lower Egypt	1007.6	+0.6	33.3	—0.4	20.8	+0.5	27.0	0.0	66	— 4	0.0	0.0
Cairo Area	1007.4	+0.5	35.2	—0.4	21.8	+0.8	28.5	—0.6	55	+ 1	0.0	0.0
Upper Egypt	1006.3	+0.2	38.0	0.4	22.9	+0.6	30.4	+0.1	37	— 1	0.0	0.0
Western Desert	1007.6	—1.1	38.1	+0.2	22.6	+0.6	30.4	+0.4	29	— 5	0.0	0.0
Red Sea	1005.1	—0.7	34.9	+1.0	26.3	+1.2	30.6	+1.1	47	— 8	0.0	0.0

Note : The above monthly district means for atmospheric pressure and relative humidity are computed from the corresponding means for all stations that take daily 24 hourly observations in each district.

PRESSURE DISTRIBUTION

The most characteristic surface pressure systems of this month are :

— The two complex Monsoon low pressure systems over Iraq, Arabian Gulf and over Sudan.

— The Azores warm high covering SW Europe, extending SE towards the Western Desert of Egypt.

On the other hand, the upper pressure systems were confined to a complex deep low in the high latitudes with two marked troughs : the first is rather stationary and extending SW towards Spain and the second one extending SE towards the Black Sea.

The mean sea level pressure was generally below its normal during this month over East Mediterranean.

The western arm of the complex monsoon low over Iraq and Arabian Gulf showed three marked westward elongations and accordingly the pressure field over East Mediterranean in general and Egypt in particular attained three marked minima round the 4th, 18th and 23rd (about 5 mbs below normal).

In the upper air above 700 mbs level, the trough over the Black Sea showed SW extensions during 4 periods : (1st-3rd), (6th-10th), (10th-14th) and (15th-29th). The trough line traversed East Mediterranean Coast on the 3rd, 10th, 14th, and 29th respectively. During the last period, the trough was retrograded on the 21st and 26th due to cold air advection in Central Mediterranean. It is worth to point out that the reflection of these troughs on the surface map was minor and the pressure field was rather normal during their transits.

The subtropical jet stream appeared during the whole month in the upper troposphere round the 160 mb level oscillating between 17°N & 35°N in association with the northward oscillation of the subtropical high pressure cell.

The highest wind speeds recorded at Mersa Matruh, Helwan & Aswan were 117, 108, 156 knots on the 1st, 5th, 10th.

SURFACE WIND

The prevailing winds during this month were mostly light/moderate N/NWly in general Fresh/strong winds blew over the Red Sea, Western part of the Mediterranean district and few far inland localities in advance and associating the transit of upper troughs over E. Mediterranean. Calms were ferquent over the interior middle and southern parts during the night and early morning intervals.

No gales were reported during this month.

TEMPERATURE

Maximum and minimum temperatures showed slight variability during this month over the Mediterranean coastal areas and continued slightly above normal.

Over the middle parts they oscillated round normal with few marked deviations, but in the extreme south maximum temperature continued excessive while both maximum and minimum temperatures showed slight oscillations.

Three marked peaks were reported round the 4th, 18th and 23rd accompanying the westward extensions of the complex monsoon low over Iraq and Arabian Gulf.

The absolute maximum temperature was 44.0°C reprted at Luxor on the 23rd, Kom Ombo on the 24th and at kharga on the 23rd.

The absolute minimum temperature was 13-5°C reported at Damanhour on the 10th.

MISCELLANEOUS WEATHER PHENOMENA

Mist patches developed at : Sallum on the 17th & 31st ; Mersa Matruh on the 2nd, 6th & 13th ; Port Said on the 22nd ; El Arish on the 3rd, 11th, 13th, 17th, & 25th ; Ghazza on the 16th ; Mansoura on the 1st, 27th & 30th ; Tahrir on the 1st, 2nd, 4th, (11th—15th), 17th, (19th—22nd), 30th & 31st ; Zagazig on the 12th & 31st ; Abu Sueir on the (2nd—5th), (7th—11th), 14th, 15th,

16th, (19th—23rd), (25th—29th) & 31st ; Zaher on the 12th, 21st & 31st ; Inshas on the 5th, 7th, 8th, 9th, 11th, 14th, 15th, 16th, 19th, 22nd, 25th, 26th, 27th, 28th, 30th & 31st ; Kabrit on the 7th, 11th, 13th, 16th, 17th & 19th ; Cairo on the 1st, 3rd, 4th, 5th, 8th, 10th, 11th, 13th, 14th, 15th, 16th, 19th, 20th, 21st, 22nd, 24th, 25th, 26th, 27th, 28th, 30th & 31st ; Mostafa Helmi on the (1st—13th), 15th, 16th, 17th, 19th, 20th, 21st, 23rd, 25th, 26th, (28th—31st); Almaza on the 1st, 4th, 5th, 7th, 8th, 12th, 13th, 15th, 16th, (18th—22nd), (24th -31st) ; Abbasiya on the 28th & 31st ; Imbaba on the 14th, 15th, 19th, 21st & 27th ; and at Minya on the 21st.

Fog patches developed at : Ghazza on the 16th ; Abu Sueir, Inshas and Cairo on the 12th ; Mostafa Helmi on the 14th, 22nd, 24th & 27th ; and at Almaza and Abbasiya & Inshas on the 12th.

Local rising sand or dust was reported at : Sallum on the 1st & 24 th ; Mersa Matruh on the 1st, 3 rd, 7 th, 8 th, 13 th, 15 th, 17 th, 23 rd & 24 th ; Dabaa on the 1st, 3 rd, 4 th, 7 th, 11 th, 12 th, 13 th, 14 th, 15 th & 23 rd; Rosetta on the 14th, 21st 22nd ; EL Arish on the 5 th & 22 nd ; Tahrir on the 21 st ; Abu Sueir on the 22 nd ; Wadi El Natrun on the 23 rd ; Kabrit on the 22 nd ; Cairo on the 30 th ; Mostafa Helmi on the 2 nd, 5th, 6th, 10th, 14th, 19th, 20th, 22nd, 23rd, 24 th, 26 th, 27 th, 28 th & 30 th ; Luxor on the 20th & 21st ; Aswan on the 1st, 3rd, 20 th & 21 st ; Siwa on the 1 st & 23 rd; Bahariya on the 22nd ; Farafra and Dakhla on the 2nd ; Tor on the (20 th — 23 rd) ; Hurghada on the 21st ; Quseir on the 6th, 7 th, 15 th & 22 nd.

Cairo, January 1972

Chairman (M. F. TAHA)
Board of Directors

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

JULY 1963

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	Dev. from normal	0600 U.T. Mean	Dev. from normal	1200 U.T. Mean	Dev. from normal	1800 U.T. Mean	Dev. from normal	Altitude of the barometric cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.) 0000 U.T. Mean	Dev. from normal	0600 U.T. Mean	Dev. from normal	1200 U.T. Mean	Dev. from normal	1800 U.T. Mean	Dev. from normal
Mediterranean	Sallum	6.0	1008.8	—	1009.0	— 0.8	1009.1	— 0.4	1009.1	— 0.5	5.2	1009.3	—	1009.5	— 0.7	1009.6	— 0.3	1009.6	— 0.4
	Sidi Barrani	22.8	1006.4	— 0.6	1006.8	— 0.7	1006.6	— 1.0	1006.6	— 0.7	24.0	1009.0	— 0.6	1008.4	— 0.7	1009.2	— 1.0	1009.2	— 0.7
	Mersa Matruh (A)	30.0	1005.5	0.0	1005.7	0.0	1005.8	— 0.1	1005.9	0.0	30.0	1009.0	— 0.2	1009.4	0.0	1009.5	— 0.1	1009.6	0.0
	Ras El Hikma	45.8	1003.1	—	1003.7	—	1003.6	—	1003.3	—	45.8	1008.5	—	1009.0	—	1008.8	—	1008.7	—
	Dabaa	18.0	1005.4	—	1005.7	—	1005.7	—	1005.8	—	17.8	1007.4	—	1007.7	—	1007.7	—	1007.8	—
	Dekheila (A)	6.0	1007.4	—	1007.8	—	1007.8	—	1007.7	—	5.9	1008.1	—	1008.5	—	1008.5	—	1008.4	—
	Ras El Teen	8.4	1006.8	—	1007.3	—	1007.4	—	1007.4	—	8.4	1007.8	—	1008.3	—	1008.4	—	1008.1	—
	Alexandria (A)	7.0	1006.8	— 0.3	1007.4	— 0.1	1007.4	— 0.1	1007.4	0.0	6.8	1007.6	— 0.3	1008.2	— 0.1	1008.2	— 0.1	1008.2	0.0
	Rosetta	3.4	1009.5	—	1009.6	—	1009.4	—	1009.7	—	3.4	1009.9	—	1010.0	—	1009.8	—	1010.1	—
	Balteam	2.0	1006.8	—	1007.3	—	1007.4	—	1007.2	—	2.0	1007.0	—	1007.5	—	1007.6	—	1007.4	—
	Damietta	5.0	1007.0	—	1007.6	— 0.4	1007.3	— 0.1	1007	— 0.1	5.0	1007.4	—	1008.0	— 0.1	1007.7	— 0.1	1007.8	— 0.1
	Port Said (A)	7.4	1005.9	— 0.3	1006.8	— 0.2	1006.5	— 0.1	1006.3	— 0.1	6.1	1006.6	— 0.3	1007.5	— 0.2	1007.0	— 0.1	1007.0	— 0.1
	El Arish	17.1	1005.2	0.0	1005.8	1.3	1005.3	— 1.1	1005.6	— 0.8	17.1	1007.1	0.0	1007.7	— 1.3	1007.2	— 1.1	1007.5	— 0.8
	Ghazza	15.7	1005.0		1005.8	—	1005.3	—	1005.3	—	15.7	1006.8	—	1007.6	—	1007.1	—	1007.1	—
Lower Egypt	Mansoura	4.0	1007.2	—	1007.8	0.4	1007.2	+ 0.2	1007.3	— 0.1	3.6	1007.6	—	1008.2	— 0.1	1007.6	+ 0.2	1007.7	— 0.1
	Damanhour	6.7	1007.3	—	1007.8	— 0.6	1007.5	— 0.1	1007.8	— 0.1	6.7	1007.8	—	1008.3	— 0.6	1008.0	— 0.1	1008.3	— 0.1
	Tanta	14.8	1005.6	—	1006.2	1.1	1005.4	— 1.0	1005.8	— 1.2	15.4	1005.8	—	1007.4	— 1.1	1006.6	— 1.0	1007.0	— 1.2
	Tahrir	16.0	1005.4	—	1005.9	—	1004.8	—	1005.5	—	18.6	1007.6	—	1008.1	—	1006.9	—	1007.6	—
	Shebin El Kom	13.1	1005.4	—	1006.2	— 1.0	1005.0	— 1.0	1005.2	— 1.4	13.8	1006.9	—	1007.7	— 1.0	1006.5	— 1.0	1006.7	— 1.4
	Zagazig	10.0	1006.0	—	1006.9	— 0.7	1005.[illegible]	— 0.5	1005.2	— 0.9	10.0	1007.2	—	1008.1	— 0.7	1007.1	— 0.5	1007.4	— 0.9
	Abu Sueir (A)	16.0	1005.7	—	1006.4	—	1004.9	—	1005.7	—	16.0	1007.5	—	1008.2	—	1007.1	—	1007.4	—
	Banha	14.9	1006.3	—	1005.8	—	1006.1	—	1006.6	—	14.9	1007.8	—	1008.6	—	1007.8	—	1008.3	—
	Zaher (A)	23.5	1003.1	—	1003.7	—	1002.6	—	1002.[illegible]	—	23.3	1006.6	—	1007.2	—	1006.0	—	1006.2	—
	Wadi El Natrun	0.9	1008.3	—	1008.9	+ 0.3	1007.5	+ 0.6	1008.3	+ 0.4	0.9	1008.4	—	1009.0	+ 0.3	1007.6	+ 0.6	1008.4	+ 0.4
	Inshas (A)	25.5	1003.2	—	1003.9	—	1002.7	—	1003.1	—	25.6	1005.2	—	1006.9	—	1005.6	—	1006.0	—
	Fayed (A)	35.0	1005.5	—	1006.1	—	1004.4	—	1005.1	—	35.0	1007.7	—	1008.5	—	1006.8	—	1007.5	—
	Kabrit (A)	4.9	1006.1	—	1006.9	—	1005.1	—	1005.3	—	4.8	1007.4	—	1008.2	—	1006.4	—	1006.6	—
Cairo Area	Cairo (A)	74.5	1000.0	— 1.0	1000.8	— 0.5	999.4	— 0.5	999.9	0.0	74.0	1007.6	— 0.9	1008.2	— 0.5	1006.7	— 0.5	1007.3	— 0.0
	Mostafa Helmi (A)	164.0	998.4	—	989.3	—	988.4	—	988.3	—	164.0	1007.2	—	1008.0	—	1006.6	—	1006.8	—
	Almaza (A)	78.5	998.1	— 1.0	998.9	— 0.7	997.6	— 0.6	998.0	— 0.5	78.6	1007.2	— 0.9	1007.9	— 0.7	1006.4	— 0.6	1006.9	— 0.5
	Abbasiya (H.Q.)	26.4	1004.7	—	1005.4	—	1004.1	—	1004.5	—	26.4	1008.3	—	1009.0	—	1007.5	—	1008.0	—
	Imbaba (A)	19.0	1005.4	—	1006.2	—	1004.8	—	1004.9	—	19.0	1007.5	—	1008.3	—	1006.9	—	1007.0	—
	Giza	22.5	1005.0	—	1005.6	— 0.7	1004.4	— 0.3	1004.6	— 0.5	22.5	1007.8	—	1008.4	— 0.6	1007.0	— 0.4	1007.3	— 0.5
	Helwan	140.7	991.4	—	992.1	— 0.3	990.9	0.0	991.0	— 0.2	140.7	1007.8	—	1008.5	— 0.3	1006.6	— 0.1	1007.1	— 0.1

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

JULY 1963

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
Upper Egypt	Fayoum	23.3	1004.9	—	1007.8	+0.3	1004.1	+0.3	1004.3	+0.7	23.3	1007.8	—	1008.7	+0.3	1006.9	+0.3	1007.1	+0.7
	Beni Suef	30.0	1003.5	—	1004.6	—0.4	1003.2	0.0	1003.0	—0.1	30.0	1006.9	—	1008.0	—0.4	1006.5	0.0	1006.3	—0.1
	Minya (A)	40.0	1002.1	—0.2	1003.2	—0.1	1002.2	+0.1	1001.4	0.0	40.3	1006.8	—0.2	1007.9	—0.1	1006.6	+0.1	1005.9	0.0
	Asyout (Mangabad) (A)	69.6	998.7	+0.5	1000.1	+0.1	998.0	+0.3	998.1	+0.2	69.5	1006.7	+0.6	1008.1	+0.2	1006.3	+0.2	1005.0	+0.2
	Nag Hammadi	70.5	997.2	—	999.2	0.0	997.1	—0.5	997.4	—0.1	70.5	1005.1	—	1007.2	0.0	1004.8	—0.5	1005.3	—0.1
	Kena	74.2	997.1	—	998.8	+0.5	997.5	—1.1	996.7	—0.3	74.2	1005.6	—	1007.2	0.5	1005.7	—1.2	1005.0	—0.4
	Luxor (A)	88.5	994.7	—0.3	996.2	—0.1	994.5	—0.1	994.4	—0.2	88.4	1004.7	—0.3	1006.1	—0.1	1004.2	0.0	1004.3	—0.1
	Kom Ombo	102.6	992.9	—	994.5	—	992.6	—	992.3	—	102.6	1004.6	—	1005.9	—	1003.8	—	1001.0	—
	Aswan (A)	193.5	982.2	—	983.9	—0.7	982.1	—0.6	982.[illegible]	—0.5	193.5	1005.1	—	1006.1	—0.7	1003.7	—0.6	1001.2	—0.4
Western Desert	Siwa	—13.5	1011.0	—0.1	1012.2	—0.2	1010.5	—0.3	1009.5	—0.2	—13.3	1009.3	—0.2	1010.5	—0.3	1008.9	—0.3	1007.9	—0.2
	Bahariya	129.5	993.0	—	994.0	—1.4	992.6	—1.4	992.2	—1.5	129.6	1008.0	—	1008.9	—1.5	1006.9	—1.4	1005.7	—1.6
	Farafra	91.8	998.4	—	999.7	+0.2	998.3	+0.3	998.1	+0.4	92.1	1009.0	—	1010.3	+0.2	1008.6	+0.3	1008.5	+0.3
	Dakhla	111.5	992.7	—	994.2	—1.0	992.7	—0.9	992.4	—1.4	111.5	1005.3	—	1006.7	—1.1	1004.8	—1.1	1004.5	—1.7
	Kharga	72.8	998.4	—	1000.0	—0.2	998.2	—0.[illegible]	99[illegible]	—0.7	73.0	1006.6	—	1008.0	—0.2	1006.0	—0.6	1005.9	—0.7
Red Sea	Suez	11.0	1006.3	—	1006.8	—0.2	1005.7	—[illegible]	1005.5	0.4	12.2	1007.5	—	1008.0	—0.2	1006.9	—1.0	1006.7	—0.4
	Abu Redes	4.0	1004.3	—	1005.6	—	1004.3	—	1004.0	—	4.0	1007.7	—	1006.0	—	1004.7	—	1004.4	—
	Tor	4.2	1003.5	—	1004.9	—0.9	1003.7	—1.0	1003.3	0.9	4.2	1003.9	—	1005.3	—0.9	1004.1	—1.0	1003.7	—0.5
	Hurghada	2.8	1003.8	+0.6	1005.6	+0.5	1003.8	+0.3	1003.7	+0.5	2.8	1004.0	+0.6	1005.8	+0.5	1004.0	+0.3	1003.9	+0.6
	Quseir	11.3	1002.9	—	1004.4	—0.4	1003.4	—1.2	1003.3	—0.9	11.3	1003.9	—	1005.4	—0.4	1004.4	—1.2	1004.3	—0.9
	Abul Kizan	5.0	1003.9	—	1004.7	—	1004.3	—	1003.9	—	5.0	1004.7	—	1005.3	—	1004.8	—	1004.5	—

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

JULY 1963

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 norms
Mediterranean	Sallum	23.8	—	26.0	—0.6	30.1	+0.8	26.7	—0.7	21.9	—	22.3	+0.1	23.3	+0.3	22.5	+1.0	84	—	72	+ 6	54	0	68	+ 2
	Sidi Barrni	23.7	+0.8	25.8	+0.3	28.3	+0.8	25.6	+0.7	21.7	+0.7	22.7	+0.4	23.8	+0.5	22.7	+0.3	83	— 1	76	+ 1	67	— 2	77	— 3
	Mersa Matruh (A)	22.8	+0.8	26.2	+0.6	28.6	+0.8	25.6	+0.6	20.9	+0.6	22.6	+0.2	23.1	—0.2	22.5	0.0	83	— 2	72	— 3	61	— 6	75	— 5
	Ras El Hikma	24.4	—	25.9	—	27.4	—	25.1	—	22.1	—	22.9	—	23.5	—	22.6	—	81	—	76	—	70	—	80	—
	Dabaa	23.0	—	25.9	—0.1	28.7	+0.4	25.4	+0.4	20.7	—	22.1	—0.3	22.8	+0.1	22.0	—0.3	80	—	71	— 1	58	— 2	73	— 5
	Dekheila (A)	24.0	—	26.2	—	28.9	—	25.0	—	21.7	—	22.7	—	23.7	—	22.5	—	81	—	73	—	63	—	80	—
	Ras El Tin	25.0	—	26.2	—	27.1	—	25.7	—	22.7	—	23.3	—	23.7	—	23.1	—	81	—	77	—	74	—	79	—
	Alexandria (A)	24.3	+0.7	27.9	+1.3	29.9	+1.1	25.5	+0.5	22.1	+0.4	23.5	+0.7	24.2	+0.4	22.7	+0.3	82	— 2	67	— 4	60	— 4	78	— 1
	Rosetta	23.9	—	26.9	—	29.6	—	25.3	—	21.5	—	22.8	—	22.4	—	22.3	—	86	—	69	—	57	—	76	—
	Balteam	26.1	—	27.8	—	29.9	—	27.0	—	22.4	—	23.1	—	23.9	—	23.0	—	72	—	66	—	59	—	69	—
	Damietta	23.4	—	26.6	—0.5	31.3	+1.9	25.1	+0.5	21.9	—	23.2	—0.4	24.8	+1.0	22.8	—0.7	87	—	74	+ 1	56	— 6	81	— 2
	Port Said (A)	25.5	+0.3	26.7	0.0	29.4	+0.3	26.6	+0.1	22.7	+0.1	23.2	0.0	24.7	+0.5	23.6	+0.1	78	— 1	73	0	66	+ 1	77	0
	El Arish	23.8	+0.9	28.2	+0.2	30.6	+1.6	26.5	+0.4	22.3	+0.9	24.1	+0.6	25.5	+0.8	24.0	+0.4	87	— 1	70	+ 3	65	— 4	80	0
	Ghazza	24.0	—	27.0	—	28.1	—	26.5	—	21.9	—	23.7	—	24.5	—	24.0	—	83	—	75	—	73	—	80	—
Lower Egypt	El Sirw	22.7	—	26.4	—0.4	31.3	+0.5	25.8	+0.1	—	—	23.3	—0.1	24.5	0.0	23.4	+0.3	—	—	76	— 2	55	— 2	81	— 2
	Sakha	21.5	—	26.5	0.0	32.2	—1.1	25.1	—0.4	—	—	23.9	—0.8	24.3	—0.6	22.1	—0.5	—	—	79	— 5	50	+ 2	76	— 1
	Mansoura	21.6	—	26.1	—0.1	31.9	—1.8	25.5	—1.1	20.6	—	23.4	+0.6	24.3	+0.9	22.5	+0.1	91	—	79	+ 6	51	+12	76	+12
	Damanhour	22.5	—	25.9	—1.1	31.2	—0.2	25.1	—0.1	21.3	—	23.0	—0.2	23.9	+0.1	22.2	—0.0	90	—	77	— 5	51	— 1	77	0
	Tanta	22.3	—	26.3	0.0	33.7	—0.1	26.7	—0.6	20.9	—	23.0	+0.2	24.7	+1.3	22.7	+0.7	88	—	74	+ 1	45	+ 6	69	+ 1
	Tahrir	22.8	—	26.5	—	34.1	—	27.0	—	21.4	—	22.7	—	22.7	—	22.3	—	88	—	71	—	37	—	67	—
	Shebin El Kom	21.3	—	24.5	—1.7	32.4	—1.8	26.1	—1.7	19.9	—	21.8	+0.4	21.0	+1.6	21.9	+0.3	87	—	78	+ 9	47	+15	67	+10
	Zagazig	22.0	—	25.6	—1.3	32.7	—1.5	26.7	—0.8	20.0	—	22.3	+1.0	24.0	0.0	22.3	—0.3	82	—	74	+ 2	46	+ 6	67	+ 3
	Abu Sueir (A)	24.1	—	26.7	—	34.6	—	29.1	—	21.8	—	22.5	—	22.7	—	22.6	—	81	—	68	—	32	—	55	—
	Banha	21.7	—	25.0	—	33.9	—	27.3	—	19.8	—	21.[illegible]	—	24.[illegible]	—	22.2	—	83	—	75	—	41	—	62	—
	Zaher (A)	23.1	—	25.[illegible]	—	33.2	—	28.3	—	21.3	—	22.[illegible]	—	23.4	—	22.5	—	85	—	73	—	41	—	59	—
	Wadi El Natrun	22.9	—	26.2	+0.3	35.0	—0.1	28.2	—0.8	19.9	—	21.8	+0.3	21.6	—1.3	21.0	—0.8	75	—	66	— 5	26	— 6	50	— 1
	Inshas (A)	22.8	—	25.3	—	33.2	—	28.0	—	20.8	—	22.1	—	23.0	—	22.3	—	83	—	75	—	39	—	59	—
	Fayed (A)	24.8	—	27.2	—	35.3	—	29.8	—	21.9	—	22.7	—	23.0	—	23.3	—	77	—	66	—	31	—	55	—
	Kabrit (A)	25.0	—	26.1	—	34.1	—	29.7	—	22.3	—	22.7	—	23.3	—	23.2	—	78	—	73	—	37	—	55	—

Table A2 (*contd*).—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES AND THE RELATIVE HUMIDITY AT FIXED HOURS

JULY 1963

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
Cairo Area	Cairo . . . . . (A)	23.7	+0.2	25.5	+0.4	33.4	+0.2	29.3	−0.6	21.6	+0.8	22.2	+0.6	22.6	+0.8	22.5	+0.9	82	+4	74	+2	36	+6	53	+8
	Mostafa Helmi . . (A)	22.6	—	24.6	—	33.7	—	28.1	—	20.8	—	21.3	—	21.6	—	21.5	—	84	—	73	—	30	—	54	—
	Almaza . . . . . (A)	23.5	−0.4	25.6	+0.5	33.8	+0.4	29.1	−1.1	20.8	−0.4	21.5	−0.3	22.5	+1.0	22.0	+0.2	78	0	68	−6	34	+3	51	+6
	Abbasiya. . . (H.Q.)	24.0	—	26.7	—	34.0	—	29.2	—	21.6	—	22.6	—	23.2	—	22.7	—	80	—	69	—	37	—	55	—
	Imbaba . . . . . (A)	22.9	—	26.3	—	33.9	—	28.2	—	20.4	—	22.6	—	23.5	—	22.4	—	78	—	72	—	39	—	58	—
	Giza	23.3	—	25.6	+0.2	33.7	−1.2	28.9	−0.1	21.1	—	22.2	+0.2	22.5	−0.2	22.2	+0.8	82	—	75	+2	38	+7	56	+8
	Helwan	23.5	—	25.6	+0.7	34.1	0.0	29.6	−0.9	20.8	—	21.4	+0.7	21.2	+0.8	21.6	+1.2	78	—	67	0	27	+3	46	+10
Upper Egypt	Fayoum	24.3	—	26.5	+0.2	35.5	+0.6	31.0	+0.6	20.7	—	22.1	+0.6	21.6	+0.2	21.1	+0.4	71	—	66	−3	25	−1	38	0
	Beni Suef	24.8	—	26.4	−1.2	35.7	−0.8	30.0	−0.2	20.4	—	21.8	−0.4	22.5	−0.1	21.5	+0.5	65	—	65	−4	28	+2	44	+4
	Minya . . . . . (A)	23.8	+0.8	26.2	+0.1	35.5	−0.5	29.1	+0.3	19.9	+1.5	22.0	+0.7	22.5	+0.8	20.9	+0.2	68	−6	67	+3	29	+5	45	+3
	Mallawi	22.4	—	26.1	—	34.7	—	27.0	—	—	—	23.2	—	24.6	—	21.1	—	—	—	77	—	41	—	57	—
	Asyout (Mangabad) (A)	26.4	+0.6	26.7	−0.1	35.9	−0.3	31.0	0.0	18.0	+0.6	20.4	+0.5	21.4	+0.1	20.0	+0.7	40	0	54	+4	23	+2	32	+3
	Shandaweel	23.4	—	27.2	−1.5	36.0	−0.6	28.6	+0.3	—	—	21.8	+0.4	24.4	+0.3	22.1	+0.6	—	—	60	+5	35	+3	55	+2
	Nag Hammadi . . .	23.8	—	26.6	−2.2	36.6	0.0	29.8	+0.5	—	—	21.5	+0.5	23.9	+1.2	22.3	+1.5	—	—	62	+15	31	+5	50	+7
	Kena	26.6	—	29.9	−0.6	38.2	−1.7	32.8	−0.3	—	—	21.9	+1.3	24.1	+1.0	21.3	+0.7	—	—	47	+10	27	+8	32	+4
	Luxor . . . . . (A)	27.9	+0.5	32.0	−0.8	39.7	0.0	33.0	−0.8	18.4	+1.3	21.3	+0.9	22.3	+0.5	20.9	+1.1	36	+5	35	+7	16	+1	29	+7
	Kom Ombo	27.0	—	31.7	—	40.5	—	33.2	—	17.0	—	18.7	—	21.5	—	19.2	—	31	—	23	—	13	—	21	—
	Aswan . . . . . (A)	28.5	—	32.4	+0.6	40.0	−0.4	35.4	−0.4	16.4	—	18.3	−1.7	20.1	−2.5	18.4	−2.0	23	—	19	−10	10	−7	12	−7
Western	Siwa	25.7	−0.6	25.6	+0.1	35.8	+0.1	33.5	+0.2	19.1	+1.0	20.8	+0.7	20.7	−0.1	20.0	−0.3	51	+3	63	+4	20	−1	24	−2
	Bahariya	25.0	—	26.7	+0.8	36.3	+1.0	32.0	+1.5	18.7	—	20.3	0.0	21.1	−1.1	19.7	−0.7	52	—	54	−4	20	+8	27	−9
	Farafra	25.8	—	27.6	+0.3	36.7	+0.6	31.9	+1.3	17.2	—	19.1	−0.3	20.6	+1.0	18.8	−0.2	39	—	41	−3	17	−6	23	−5
	Dakhla	26.5	—	30.0	+0.6	37.9	+0.9	33.1	+0.4	16.2	—	18.7	+0.2	20.3	−0.7	18.8	+0.1	29	—	29	−1	14	−4	20	0
	Kharga	25.4	—	30.1	+0.2	39.6	+1.1	32.5	−0.8	16.8	—	19.7	−1.4	22.0	−2.0	19.8	−1.6	38	—	34	−8	16	−10	26	−5
Red Sea	Suez	25.3	—	27.3	+0.7	35.4	+0.8	30.9	+1.2	—	—	23.4	+1.0	23.3	+0.3	23.8	+1.2	—	—	70	+2	32	−2	52	0
	Abu Redes	27.6	—	28.3	—	32.5	—	30.2	—	23.1	—	23.9	—	24.7	—	23.9	—	67	—	68	—	50	—	57	—
	Tor	27.2	—	27.9	+0.1	32.5	+0.6	31.9	+1.3	23.3	—	21.0	+0.3	23.5	−1.1	22.2	−1.6	70	—	71	+1	44	−9	40	−14
	Hurghada	27.9	+0.3	29.4	+0.8	33.1	+2.1	30.7	+0.9	19.3	−0.7	22.2	−0.8	24.1	−0.6	22.0	−0.7	41	−5	51	−9	45	−13	44	−8
	Quseir	30.2	—	32.0	+1.5	33.7	+2.0	31.6	+1.8	20.0	—	23.3	+0.1	25.3	−0.2	23.1	−0.4	35	—	42	−7	48	−11	46	−11
	Abul Kizan	—	—	30.9	+0.1	30.6	−0.9	29.6	+0.3	—	—	26.3	−0.3	26.0	−1.3	26.4	−0.4	—	—	68	−3	68	−1	77	−4

Table A3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

JULY 1963

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	Relative humidity %: Mean	Relative humidity %: Dev. from normal
Mediterranean	Sallum	a	1009.0	−0.8	1009.5	−0.7	31.1	−0.4	22.6	−2.0	26.8	a	26.7	+0.9	a	22.4	+1.0	a	68	+ 2
	Sidi Barrani	a	1006.5	−0.8	1009.1	−0.8	28.6	+0.2	22.8	+0.9	25.7	a	25.8	+0.9	a	22.6	+0.8	a	75	0
	Mersa Matruh (A)	a	1005.7	−1.3	1009.4	−1.3	29.8	+1.0	21.3	+0.7	25.6	a	25.7	+0.5	a	22.2	0.0	a	73	− 3
	Ras El Hikma	a	1003.4	—	1008.7	—	28.0	—	23.6	—	25.8	a	25.6	—	a	22.8	—	a	78	—
	Dabaa	a	1005.7	—	1007.7	—	29.1	−0.4	21.7	+0.8	25.4	a	25.6	+0.6	a	21.7	−0.2	a	70	− 5
	Dekheila (A)	a	1007.7	—	1008.4	—	29.3	—	23.5	—	26.4	a	26.1	—	a	22.6	—	a	73	—
	Ras El Teen	a	1007.2	—	1008.2	—	27.5	—	24.8		26.2	a	26.0	—	a	23.2	—	a	78	—
	Alexandria (A)	a	1007.3	−0.9	1008.1	−0.9	30.8	+1.3	23.6	+0.9	27.2	a	26.8	+0.8	a	23.1	+0.[illegible]	a	72	− 1
	Rosetta	a	1009.5	—	1009.9	—	30.3		23.3	—	26.8	a	26.3	—	a	22.5	—	a	71	—
	Balteam	a	1007.1	—	1007.3	—	30.1	—	23.8	—	27.4	a	27.7	—	a	23.1	—	a	66	—
	Damietta	a	1007.3	−0.5	1007.7	−0.5	31.7	+0.3	22.1	+0.8	26.9	a	26.4	+0.6	a	23.1	−0.1	a	74	− 4
	Port Said (A)	a	1006.3	−0.7	1007.6	−0.7	30.6	+0.3	24.4	+0.2	27.5	a	27.1	+0.4	a	23.5	+0.2	a	72	− 2
	El Arish	a	1005.5	−0.9	1007.4	−0.9	31.4	+0.9	22.6	+1.5	27.0	a	27.1	+1.1	a	23.8	+1.7	a	71	+ 2
	Ghazza	a	1005.4	—	1007.2	—	29.1	—	22.3	—	25.7	a	26.2	—	a	23.4	—	a	78	—
Lower Egypt	El Sirw	—	—	—	—	—	32.7	+0.2	21.6	+1.7	27.[illegible]	c	26.6	+0.6	c	23.8	+0.9	e	78	+ 2
	Sakha	—	—	—	—	—	32.5	+1.5	20.2	+1.2	26.4	c	25.3	−0.1	c	23.5	0.5	e	78	+ 2
	Mansoura	a	1007.3	−0.2	1007.7	−0.2	32.9	+2.0	20.2	−0.4	26.6	a	26.0	−0.8	a	22.5	−0.4	a	73	− 3
	Damanhour	a	1007.6	−0.5	1008.1	−0.5	31.5	+1.1	21.5	+1.2	26.5	a	26.1	+0.2	a	22.4	−0.2	a	72	− 2
	Tanta	a	1005.7	−1.4	1006.9	−1.4	34.3	+0.2	21.1	+2.0	27.7	a	27.1	+0.8	a	22.7	+0.3	a	67	− 3
	Tolirir	a	1006.3	—	1007.[illegible]	—	35.2	—	21.3		28.2	a	27.[illegible]	—	a	22.1	—	a	63	—
	Shebin El Kom	a	1005.5	−1.1	1007.[illegible]	−1.1	33.0	2.6	20.2	+0.1	26.6	a	26.0	−0.9	a	21.8	−0.1	a	67	− 4
	Zagazig	a	1006.2	−1.0	1007.4	−1.0	33.5	+1.5	20.9	+0.0	27.2	a	26.7	+0.5	a	22.0	−1.0	a	65	− 3
	Abu Sueir (A)	a	1005.7	—	1007.4	—	35.9	—	22.5	—	29.2	a	28.6	—	a	22.3	—	a	56	—
	Banha	a	1006.6	—	1008.2	—	34.8	—	21.3	—	28.0	a	26.9	—	a	21.9	—	a	63	—
	Zaher (A)	a	1003.0	—	1006.5	—	34.0	—	22.0	—	28.0	a	27.[illegible]		a	22.3	—	a	61	—
	Wadi El Natrun	a	1008.2	+0.4	1008.3	+0.4	35.9	+1.5	21.0	−0.4	28.4	a	28.0	−0.4	a	20.9	−1.3	a	50	−11
	Inshas (A)	a	1003.2	—	1006.2	—	34.0	—	21.7	—	27.8	a	27.4	—	a	22.0	—	a	60	—
	Fayed (A)	a	1005.2	—	1007.5	—	36.1	—	23.2	—	29.6	a	29.3	—	a	22.6	—	a	54	—
	Kabrit (A)	a	1005.8	—	1007.2	—	35.1	—	[illegible]	—	29.4	a	28.7	—	a	22.9	—	a	59	—
Cairo Area	Cairo (A)	a	1000.0	−0.6	1007.4	−0.6	35.1	−0.6	[illegible]	[illegible]	[illegible]	a	28.1	0.0	a	22.2	+0.6	a	58	+ 6
	Mostafa Helmi (A)	a	988.6	—	1006.9	—	34.5	—	[illegible]		27.8	a	27.2	—	a	21.2	—	a	50	—
	Almaza (A)	a	988.1	−0.9	1007.1	−0.8	35.0	−0.6	[illegible]	[illegible]	28.1	a	28.0	−0.5	a	21.5	−0.4	a	54	0
	Abbasiya H.Q.)	a	1004.6	—	1008.2	—	35.6	—	22.9	—	28.5	a	28.5	—	a	22.5	—	a	58	—
	Imbaba (A)	a	1005.[illegible]	—	1007.4	—	35.0	—	21.2	—	28.1	a	27.8	—	a	22.1	—	a	59	—
	Giza	a	1004.9	0.5	1007.8	−0.3	35.2	−0.5	21.8	−2.0	28.5	a	27.9	+0.6	a	21.9	0.0	a	59	− 1
	Helwan	a	1001.1	0.0	1007.5	−0.2	35.7	+0.2	21.7	+0.[illegible]	28.7	a	28.2	+1.4	a	21.1	+1.0		51	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 A3 (*contd.*)—**MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY**

JULY 1963

District	Station	Atmospheric pressure (mb.)						Air temperature (°C)										Relative humidity %		
		Derivation of the mean values adopted	Station pressure		M.S.L. Pressure			Maximum (A)		Minimum (A)			Dry bulb			Wet bulb				
			Mean	Dev. from normal	Mean	Dev. from normal		Mean	Dev. from normal	Mean	Dev. from normal	(A) or (L)	Derivation of the mean values adopted	Mean	Dev. from normal	Derivation of the mean values adopted	Mean	Dev. from normal	Derivation of the mean values adopted	Mean	Dev. from normal
Upper Egypt	Favoum	a	1004.8	−0.5	1007.6	+0.4		36.8	−0.2	22.5	+1.3	29.6	a	29.3	+1.1	a	21.4	−0.3	a	36	−4
	Beni Suef	a	1003.5	−0.3	1006.9	−0.3		36.9	0.0	21.4	+1.3	29.2	a	29.4	+0.8	a	21.5	−0.2	a	47	3
	Minya (A)	a	1002.3	−0.6	1005.8	−0.6		37.2	−1.8	20.9	−0.7	28.6	a	28.7	0.1	a	21.2	−0.8	a	49	5
	Maliawi		—					37.3		19.9		27.7	c	27.6		c	23.2			—	—
	Assiout (Mangalad) (A)	a	999.0	−0.4	1000.8	+0.0		37.0	0.2	23	−0.8	30	a	30.1	+0.2	a	19.9	0.5	a	35	−2
	Shandaweel	—						37.8	+1.3	20.1	+0.9	29.6	c	28.3	+0.6	c	22.4	0.2	c	58	+4
	Nag Hammadi	c	997.7	−0.4	1000.6	−0.5		37.5	0.0	22.0	+1.3	29.8	c	29.2	+0.4	c	22.8	[illegible]	c	56	−11
	Kena	c	997.5	−0.5	1000.9	+0.5		39.6	1.3	24.2	0.6	31.9	c	31.9	0.0	c	22.2	[illegible]	c	40	−8
	Luxor (A)	a	994.8	−0.3	1004.8	−0.2		40.5	−0.4	24.2	+0.4	32.4	a	32.9	0.1	a	20.5	+0.7	a	28	−4
	Kom Ombo	a	993.1	—	1004.5	—		41.4	—	25.4		31.1	a	32.9		a	19.0	—	—	21	—
	Aswan (A)	a	982.7	0.4	1004.8	−0.1		40.9	−0.5	25.9	+0.3	33.2	a	33.9	+0.5	a	18.3	2.1	a	15	−11
Western Desert	Siwa	a	1010.8	−1.4	1009.2	−1.4		37.5	0.0	21.8	+0.3	29.8	a	30.3	+1.1	a	20.1	0.9	a	35	−1
	Bahariya	a	993.0	−1.3	1007.8	−1.3		37.1	+0.4	22.0	+1.7	29.7	a	30.6	+2.0	a	19.8	−0.7	a	35	−12
	Farafra	a	998.6	−0.4	1009.1	−0.2		36.9	0.8	22.5	+1.5	29.7	a	30.5	+1.7	a	18.9	−0.7	a	28	−2
	Dakhla	a	993.0	−2.6	1007.4	−2.8		38.6	+1.2	23.8	+0.4	31.2	a	31.7	+0.8	a	18.4	−0.6	a	22	−6
	Kharga	a	998.7	0.0	1006.7	0.0		40.3	+1.0	22.7	−0.8	31.5	a	31.8	+0.1	a	19.5	−0.9	a	27	−6
Red Sea	Suez	c	1000.1	−0.5	1007.3	−0.5		37.4	+1.0	22.9	+0.2	30.2	c	29.7	+1.2	c	24.1	+1.2	c	61	+1
	Abu Redes	a	1004.5	—	1004.9	—		33.1	—	26.2	—	29.8	a	29.6		a	23.9	—	a	60	—
	Tor	a	1003.9	−1.2	1004.3	−1.2		35.5	+0.8	25.8	+1.4	30.6	a	29.7	+1.0	a	23.2	−0.2	a	55	−7
	Hurghada	a	1004.2	0.2	1004.4	−0.2		34.5	+2.0	25.8	+1.0	30.2	a	30.4	+1.2	a	21.8	−0.4	a	44	−7
	Quseir	a	1003.5	−1.0	1004.5	−1.0		34.7	+1.3	28.8	+2.4	31.8	a	31.9	+2.2	a	22.9	+0.3	a	43	−9
	Abul Kizan	c	1004.2	—	1004.8	—		32.5	−0.3	28.3	+1.0	30.4	—	—			—	—	c	58	+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 A 4.—MAXIMUM AND MINIMUM AIR TEMPERATURES

JULY 1963

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	38.1	22	28.0	10	31	18	1	0	0	24.6	23	20.7	9	0	0	0	0
	Sidi Barrani	34.6	22	27.2	10	31	1	0	0	0	24.6	16	20.5	22	0	0	0	0
	Mersa Matruh (A)	32.2	22	28.4	10	31	12	0	0	0	24.0	15	19.0	10,19	0	0	0	0
	Ras El Hikma	29.0	22	26.6	4	31	0	0	0	0	25.4	30	21.9	17	0	0	0	0
	Dabaa	32.7	23	27.4	9	31	3	0	0	0	23.5	15	18.6	20	0	0	0	0
	Dekheila (A)	30.8	23	27.7	8	26	5	0	0	0	27.7	8	24.8	26	0	0	0	0
	Ras El Teen	28.7	23	25.8	9	31	0	0	0	0	25.9	31	28.6	9	0	0	0	0
	Alexandria (A)	33.5	23	29.4	9	31	26	0	0	0	24.8	31	21.6	17	0	0	0	0
	Rosetta	31.8	23	28.6	8	31	17	0	0	0	25.0	25	21.0	11	0	0	0	0
	Balteam	31.5	4·30	28.6	9	31	18	0	0	0	26.3	5	22.9	11	0	0	0	0
	Damietta	34.9	30	28.8	5,6	31	29	0	0	0	24.3	31	20.8	8	0	0	0	0
	Port Said (A)	34.6	4	28.4	7,8	31	19	0	0	0	25.6	18,31	23.1	6	0	0	0	0
	El Arish	33.2	23	30.0	6	31	30	0	0	0	24.7	20	20.3	10	0	0	0	0
	Ghazza	30.5	18	28.0	6,7,8	31	1	0	0	0	24.4	20,23	20.0	12	0	0	0	0
Lower Egypt	El Sirw	35.5	4	30.0	9	31	29	2	0	0	23.5	16	20.0	11	0	0	0	0
	Sakha	34.2	23	30.0	9	31	29	0	0	0	22.0	25	18.2	11	0	0	0	0
	Mansoura	35.0	11	30.7	6,20	31	31	0	0	0	22.5	15	17.5	11	0	0	0	0
	Damanhour	33.9	23	23.1	31	31	29	0	0	0	18.9	10	13.5	10	0	0	0	0
	Gimmeiza	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	36.7	23,30	31.7	9	31	31	5	0	0	23.4	26	19.1	11	0	0	0	0
	Tahrir	40.3	23	31.8	9	31	31	17	1	0	23.8	25	19.1	11	0	0	0	0
	Shebin El Kom	36.9	23	30.9	9	31	31	3	0	0	22.0	15,16,26	17.8	11	0	0	0	0
	Zagazig	36.0	23	31.7	6,9,29	31	31	2	0	0	22.7	15	18.2	11	0	0	0	0
	Abu Sueir (A)	38.3	30	33.5	20	31	31	21	0	0	24.6	31	20.0	12	0	0	0	0
	Banha	38.7	23	32.4	6	31	31	16	0	0	22.7	13	19.0	11	0	0	0	0
	Zaher (A)	36.9	23	31.8	28	31	31	5	0	0	24.2	18	19.8	11	0	0	0	0
	Wadi El Natrun	43.0	23	33.0	8	31	31	22	1	0	23.9	26	18.4	10	0	0	0	0
	Inshas (A)	37.3	4	31.4	9	31	31	7	0	0	24.3	18	18.9	11	0	0	0	0
	Fayed (A)	38.4	23	33.9	8	31	31	22	0	0	25.0	15	21.5	21	0	0	0	0
	Kabrit (A)	38.2	23	32.3	9	31	31	19	0	0	25.1	31	21.4	12	0	0	0	0
Cairo Area	Cairo (A)	38.7	23	32.3	21	31	31	16	0	0	25.7	18	19.8	10–11	0	0	0	0
	Mostafa Helmi (A)	40.0	23	31.3	9	31	31	10	0	0	23.9	18	19.0	11	0	0	0	0
	Almaza (A)	38.7	23	31.9	28	31	31	13	0	0	23.4	2,3	17.3	6	0	0	0	0
	Abbasiya (H. Q)	38.2	23	33.0	20	31	31	18	0	0	25.5	18	20.2	11	0	0	0	0
	Imbaba (A)	38.0	4	32.2	20	31	31	16	0	0	22.8	4,16,31	18.7	11	0	0	0	0
	Giza	39.1	23	32.5	9	31	31	15	0	0	23.5	19	19.9	29	0	0	0	0
	Helwan	40.7	23	32.7	9	31	31	20	1	0	25.2	18	19.6	21	0	0	0	0

* More than 3 days.

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

JULY 1963

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	41.3	23	34.0	8	31	31	26	1	0	24.8	18	20.2	9	0	0	0	0
	Beni Suef	40.4	23	34.4	28	31	31	26	1	0	23.4	18	19.4	12,21	0	0	0	0
	Minya (A)	41.1	23	34.0	9	31	31	25	1	0	24.6	19	18.0	21,22	0	0	0	0
	Mallawi	39.0	17	31.5	21	31	31	14	0	0	22.5	24	17.5	22	0	0	0	0
	Asyout (Mangabad) (A)	41.0	23	33.6	9	31	31	28	5	0	25.6	18	20.5	9	0	0	0	0
	Shandaweel	40.7	17	35.0	8	31	31	30	1	0	23.9	6	20.0	*	0	6	0	0
	Nag Hammadi	40.1	5	35.0	8,21	31	31	29	1	0	24.2	24	20.2	10-11-24	0	0	0	0
	Kena	43.0	23	38.0	*	31	31	31	9	0	27.0	24	22.2	21	0	0	0	0
	Luxor (A)	44.0	23	38.0	7	31	31	31	17	0	26.5	3	21.4	17	0	0	0	0
	Kom Ombo	44.0	24	39.5	8	31	31	31	25	0	27.2	1	20.6	9,28	0	0	0	0
	Aswan (A)	43.3	18,24	39.4	16	31	31	31	25	0	27.7	19	23.5	22	0	0	0	0
Western Desert	Siwa	43.2	22	35.2	17	31	31	31	3	0	26.5	23	18.8	11	0	0	0	0
	Bahariya	43.0	23	33.8	9	31	31	29	2	0	24.1	3	19.3	22	0	0	0	0
	Farafra	42.4	23	34.6	9	31	31	28	2	0	26.2	24	20.2	8	0	0	0	0
	Dakhla	43.9	23	35.5	8	31	31	31	4	0	28.8	24	20.8	9	0	0	0	0
	Kharga	44.0	23	36.6	8	31	31	31	15	0	28.3	20	17.9	11	0	0	0	0
Red Sea	Suez	40.8	23	34.8	9	31	31	29	1	0	24.6	18	20.8	1	0	0	0	0
	Abu Redes	40.3	17	30.7	7	31	31	5	1	0	27.8	19	23.9	2	0	0	0	0
	Tor	41.0	17	30.7	7	31	31	14	2	0	27.0	26	23.2	17	0	0	0	0
	Hurghada	36.6	5	32.0	7	31	31	12	0	0	27.4	25	23.6	2,3	0	0	0	0
	Quseir	37.6	23-24	32.9	17	31	31	9	0	0	31.2	24	26.2	17	0	0	0	0
	Abul Kizan	34.5	18	31.0	11	31	31	0	0	0	29.4	20	27.4	8	0	0	0	0

* More than three days.

Table A 5.— RAINFALL AND SNOW DEPTH

JULY 1963

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	— 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	—
	Ras El-Teen	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	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	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	—
	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	—
	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	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Banha (A)	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	—
	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	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	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	0.0	—
	Imbaba (A)	0.0	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 1963

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	—
	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	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	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	—
	Abu Redis	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

JULY — 1963

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	—	—	—	0.1	—	0.4	—	0.6	—	0.2	—	8.8	—	—	22.2
	Sidi Barrani	—	—	—	—	—	2.2	—	0.8	—	1.5	—	5.5	—	—	—
	Mersa Matruh (A)	377.7	433.6	87.1	0.4	—	1.7	—	0.4	—	1.0	—	11.2	—	—	—
	Ras El Hikma	—	—	—	2.4	—	2.4	—	0.2	—	0.6	—	5.4	—	—	22.9
	Dabaa	—	—	—	—	—	1.5	—	0.7	—	0.6	—	7.9	—	—	—
	Dekheila (A)	—	—	—	1.4	—	2.2	—	0.8	—	0.6	—	5.2	—	—	—
	Ras El Teen	—	—	—	1.9	—	2.5	—	1.2	—	1.0	—	4.1	—	—	—
	Alexandria (A)	380.2	432.3	87.9	1.7	—	2.8	—	1.5	—	1.5	—	4.7	—	—	—
	Rosetta	—	—	—	—	—	3.0	—	2.4	—	2.0	—	6.5	—	—	—
	Balteam	—	—	—	—	—	2.5	—	1.6	—	1.2	—	5.1	—	—	—
	Damietta	—	—	—	—	—	1.5	—	0.4	—	0.2	—	4.8	—	—	—
	Port Said (A)	344.9	432.3	79.8	1.3	—	2.1	—	0.2	—	0.6	—	5.7	53	36	23.9
	El Arish	—	—	—	2.5	—	3.4	—	0.2	—	1.2	—	4.9	—	—	21.0
	Ghazza	362.5	433.6	83.6	2.5	—	3.4	—	0.9	—	1.8	—	5.4	—	—	21.7
Lower Egypt	El Sirw	—	—	—	—	—	1.7	—	1.0	—	0.0	—	4.9	—	—	—
	Sakha	—	—	—	—	—	1.6	—	2.5	—	1.3	—	5.0	—	—	19.9
	Mansoura	—	—	—	—	—	2.4	—	1.0	—	0.0	—	6.1	—	—	—
	Damanhour	—	—	—	—	—	1.8	—	1.2	—	1.1	—	5.5	—	—	20.8
	Tanta	374.8	431.0	86.1	—	—	1.8	—	0.8	—	0.0	—	5.8	69	47	—
	Tahrir	384.9	431.3	89.2	0.5	—	2.0	—	1.1	—	0.0	—	11.2	—	—	20.3
	Shebin El Kom	—	—	—	—	—	1.8	—	0.7	—	0.0	—	4.4	—	—	—
	Zagazig	—	—	—	—	—	2.7	—	1.6	—	0.0	—	7.5	—	—	—
	Abu Sueir (A)	—	—	—	1.2	—	3.4	—	1.7	—	0.2	—	10.7	75	42	22.1
	Banha	—	—	—	—	—	2.0	—	0.7	—	0.0	—	6.3	—	—	—
	Zaher (A)	—	—	—	—	—	2.8	—	1.2	—	0.0	—	8.9	—	—	—
	Wadi El Natrun	—	—	—	—	—	1.6	—	1.1	—	0.0	—	17.7	—	—	—
	Inshas (A)	—	—	—	0.6	—	2.5	—	0.5	—	0.0	—	9.8	—	—	—
	Fayed (A)	—	—	—	—	—	2.2	—	0.9	—	0.3	—	15.4	—	—	—
	Kabrit (A)	—	—	—	—	—	2.3	—	0.6	—	0.2	—	16.4	—	—	—
Cairo Area	Cairo (A)	—	—	—	1.8	—	3.7	—	0.0	—	0.1	—	13.1	—	—	—
	Mostafa Helmi (A)	—	—	—	1.2	—	2.6	—	1.0	—	0.0	—	14.1	—	—	—
	Almaza (A)	(342.4)	(416.0)	(82.3)	1.5	—	3.5	—	0.6	—	0.9	—	10.4	—	—	—
	Abbasiya (H.Q.)	365.6	430.0	85.2	1.4	—	3.3	—	0.4	—	0.0	—	7.7	72	50	—
	Imbaba (A)	—	—	—	—	—	3.0	—	0.5	—	0.5	—	8.2	—	—	—
	Giza	369.3	429.9	85.9	0.9	—	2.8	—	0.6	—	0.0	—	10.2	—	—	17.6
	Helwan	—	—	—	0.6	—	2.0	—	0.4	—	0.1	—	17.6	—	—	—
Upper Egypt	Fayoum	—	—	—	—	—	0.6	—	0.2	—	0.2	—	11.4	—	—	20.1
	Beni Suef	—	—	—	—	—	0.5	—	0.2	—	0.0	—	9.5	—	—	20.0
	Minya (A)	—	—	—	0.0	—	0.3	—	0.2	—	0.1	—	10.7	—	40	19.6
	Mallawi	—	—	—	—	—	0.1	—	0.0	—	0.0	—	4.3	—	—	18.3
	Asyout (Mangabad) (A)	—	—	—	0.0	—	0.0	—	0.1	—	0.0	—	18.4	—	49	21.5
	Shandaweel	—	—	—	—	—	0.0	—	0.0	—	0.0	—	7.1	—	—	—
	Nag Hammadi	—	—	—	—	—	0.0	—	0.0	—	0.0	—	8.4	—	—	21.5
	Kena	—	—	—	—	—	0.0	—	0.0	—	0.0	—	10.6	—	—	21.6
	Luxor (A)	—	—	—	0.1	—	0.4	—	0.3	—	0.0	—	14.0	73	53	—
	Kom Ombo	—	—	—	—	—	0.3	—	0.2	—	0.1	—	17.8	—	—	18.0
	Aswan (A)	—	—	—	0.0	—	1.0	—	0.5	—	0.2	—	24.8	—	—	—
Western Desert	Siwa	—	—	—	0.1	—	0.5	—	0.2	—	0.5	—	15.4	78	—	20.7
	Bahariya	—	—	—	0.0	—	0.4	—	0.4	—	0.2	—	12.0	60	42	21.0
	Farafra	—	—	—	0.0	—	0.0	—	0.0	—	0.1	—	22.2	—	—	21.6
	Dakhla	—	—	—	0.0	—	0.0	—	0.3	—	0.2	—	20.9	65	45	21.8
	Khaga	—	—	—	0.0	—	0.0	—	0.2	—	0.0	—	16.1	—	—	22.5
Red Sea	Suez	—	—	—	—	—	1.4	—	0.4	—	0.1	—	11.0	—	—	—
	Abu Redes	—	—	—	0.0	—	0.1	—	0.1	—	0.1	—	8.0	—	—	—
	Tor	—	—	—	0.0	—	0.2	—	0.2	—	0.0	—	10.5	—	—	—
	Hurghada	—	—	—	0.0	—	0.3	—	0.2	—	0.0	—	22.6	—	—	—
	Quseir	—	—	—	—	—	0.3	—	0.1	—	0.0	—	15.2	—	—	—
	Abul Kizan	—	—	—	—	—	0.5	—	0.2	—	0.5	—	6.3	—	—	—

Note.—The number of records for the sunshine at almaza is 29 days only.

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

JULY 1963

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	Sidi Barrani	5	—	—	—	—	—	27.0	31.5	28	25.7	5	35.7	37.4	10	33.8	1	30.9	33.4	22	29.0	1
		10	—	—	—	—	—	27.6	29.2	23	26.6	10	32.1	33.0	*	31.0	1·2·3	31.2	33.6	30	30.5	1
		20	—	—	—	—	—	29.0	30.2	23	28.0	2	29.0	30.4	23	27.4	1	30.0	31.1	22,30	29.0	9
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Marsa Matruh(A)	5	26.3	—	—	—	—	25.8	26.5	24·27	24.0	9·10	28.3	—	—	—	—	31.2	33.0	22	28.8	7
		10	28.0	—	—	—	—	27.4	27.3	30	25.2	10	32.9	—	—	—	—	31.7	33.3	22	29.1	7
		20	29.1	—	—	—	—	28.1	29.2	28·31	27.2	2·3	29.1	—	—	—	—	30.3	31.3	29	28.1	7
		50	28.6	—	—	—	—	28.3	29.3	31	27.5	2	27.9	—	—	—	—	28.4	29.6	30	27.5	2
		100	28.2	—	—	—	—	27.8	28.6	30	26.8	2	28.2	—	—	—	—	28.6	30.2	30	27.2	1
		200	23.6	—	—	—	—	23.6	24.3	28,29,30	22.7	14	23.7	—	—	—	—	23.1	24.6	30	23.0	*
	Ras El Hikma	5	—	—	—	—	—	27.4	27.7	29·30	25.1	1·2	34.7	36.4	27	32.2	4	28.5	29.7	22	27.3	1
		10	—	—	—	—	—	25.9	27.0	30	25.0	2	31.0	32.0	29	29.7	1·5	29.8	30.8	22	28.4	1
		20	—	—	—	—	—	25.9	27.0	30	25.0	2	28.5	29.6	29	27.0	1	28.5	29.6	31	27.2	1
		50	—	—	—	—	—	27.3	27.7	30	26.0	1·2	26.7	27.6	30·31	25.8	1	26.9	27.7	31	25.8	2
		100	—	—	—	—	—	24.5	25.4	31	23.3	1	24.5	25.4	31	23.4	1·2	24.5	25.4	31	23.4	1·3
		200	—	—	—	—	—	21.6	22.4	31	20.8	1,2	21.6	22.4	31	20.8	1·2	21.6	22.4	31	20.8	1·2
	Dabaa	5	—	—	—	—	—	25.5	27.0	30	24.2	10	34.2	35.4	*	32.2	30	30.6	31.2	25,26	27.0	30
		10	—	—	—	—	—	25.6	27.0	30	24.4	10	31.3	32.6	20,25	30.1	1	29.1	30.9	26	28.8	1
		20	—	—	—	—	—	26.9	28.0	30	26.2	1·2	27.5	28.4	26,27,28	26.8	1·2	28.5	29.4	26	27.5	1
		50	—	—	—	—	—	27.3	28.4	27,31	26.1	1	27.3	28.4	27,31	26.1	1	27.3	28.4	27·31	26.1	1
		100	—	—	—	—	—	24.8	26.0	30·31	23.5	1	24.8	26.0	30·31	23.5	1	24.8	26.0	30,31	23.5	1
		200	—	—	—	—	—	21.6	32.2	*	21.4	1·2·3	22.3	23.2	*	21.4	1,2,3	21.6	23.2	*	21.4	1·2·3
	El Arish	5	29.2	30.1	22	27.5	12	28.0	30.6	15	26.2	12	34.7	36.4	15·26	33.0	2,5,6	33.9	34.8	23	33.2	1·2·5
		10	30.3	31.4	22	29.4	25	28.7	29.8	26	27.4	12	33.9	34.4	*	33.0	2	34.2	35.0	30	33.5	1·2
		20	31.6	32.6	29	30.7	1	29.5	31.3	26	29.6	1·2·3	31.2	32.0	27,28,31	30.4	1,2	32.7	34.4	*	32.0	1·2
		50	31.2	32.2	27,30,31	30.2	4	31.4	32.4	31	30.3	4	31.2	32.3	29,31	30.2	1	31.1	32.2	26	30.0	1
		100	27.9	29.7	29,30	27.6	1	28.8	29.7	30	27.6	1	28.8	29.6	29,30,31	27.8	1	28.7	29.7	30	27.8	1
		200	26.7	27.8	30	25.8	1,2	26.7	27.7	30,31	25.8	1·2	26.8	27.6	30·31	25.8	1	26.1	27.7	31	25.8	*
	Ghazza	5	29.1	31.0	29	26.4	4	28.1	30.6	20	25.4	1	36.9	40.6	20	33.4	4	32.8	35.0	30,31	29.5	9
		10	30.4	32.0	*	28.0	2,3	28.8	31.0	20	26.5	2	34.7	37.5	20·21	31.7	6	34.0	36.0	30,31	31.5	6
		20	31.4	33.0	31	28.5	3	29.9	32.0	31	27.0	3	32.8	37.5	27	30.7	4	33.6	35.5	31	30.6	2
		50	31.0	32.6	29	29.5	2	31.1	32.3	29	29.7	5	31.3	33.2	31	29.5	2	31.1	32.6	28	29.0	5·6
		100	29.1	31.0	29	26.4	2	28.1	30.6	20	26.4	1	36.9	40.6	20	33.5	4	32.8	35.0	30,31	29.5	9
		200	30.4	32.0	*	28.0	2,3	28.8	31.0	20	26.5	2	34.7	37.5	19·20	31.7	6	34.0	36.0	30·31	31.5	6

* More than 3 days.

Table A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS
JULY 1963

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	Damanhour	5	—	—	—	—	—	27.5	29.0	26	25.7	9,10	38.9	41.6	28	37.0	8,9	32.3	32.9	10	28.0	7
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	29.3	30.1	30,31	28.2	1,2	29.2	30.1	28,30	28.1	1	29.2	29.9	*	28.0	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	5	—	—	—	—	—	25.8	27.2	31	25.0	*	27.4	28.5	22,23	26.4	13	25.7	27.2	20	24.1	13
		10	—	—	—	—	—	26.8	28.5	31	25.4	13	28.0	29.5	23	26.4	2	26.2	28.0	18,19	24.4	6
		20	—	—	—	—	—	27.5	29.0	[illegible]	26.0	13	29.0	30.4	30	27.8	13,14	27.0	29.0	*	25.0	5
		50	—	—	—	—	—	25.7	26.8	31	24.8	2	26.5	28.0	23,24	25.3	2	25.6	26.6	24	24.4	2
		100	—	—	—	—	—	25.0	26.0	21,30	24.5	1-2	25.7	27.0	23	24.7	2	25.0	26.3	26	24.0	*
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	29.2	30.3	9	28.3	11	38.1	39.2	13-19	35.8	21	33.6	34.3	23,30	32.7	9
		10	—	—	—	—	—	32.4	33.2	19	31.5	10-11	35.7	36.5	18,19	34.7	2	35.0	36.0	18	34.4	2,9
		20	—	—	—	—	—	30.8	31.4	19,21	30.0	2	31.0	31.7	19	30.2	2	31.6	32.2	[illegible]	31.0	1,2
		50	—	—	—	—	—	33.8	34.4	20	33.0	2,3	33.6	34.2	23,27	32.8	2,3	33.7	34.3	19,23	32.8	1,2
		100	—	—	—	—	—	28.8	29.7	*	27.7	1	28.8	29.7	*	27.7	1	28.9	29.8	31	27.7	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tahrir	5	27.3	28.6	[illegible]	25.2	10	29.7	30.8	25-26	28.6	10,11	46.5	49.9	23	43.6	9	34.2	35.9	23	32.1	9
		10	30.4	31.9	24	28.8	10	29.0	30.4	26	27.7	10	40.4	42.4	18	38.3	9	35.8	38.4	22	35.3	21
		20	33.5	34.6	24	32.1	10	30.5	32.5	25,26	30.2	10	33.9	35.0	18	32.8	9	35.9	36.8	24	34.5	9
		50	32.4	32.9	26	31.7	10	32.3	32.8	[illegible]	31.6	10,11	31.8	32.4	25,26	31.2	10,11	32.0	32.[illegible]	26,31	31.5	1,8
		100	30.4	31.0	*	29.6	1-2	30.4	31.0	*	29.6	1,2	—	—	—	—	—	30.4	31.1	31	29.5	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	5	29.9	33.5	21	27.8	11	31.0	32.5	31	29.5	8-11	47.1	51.6	11	41.5	5	33.3	38.0	30	32.1	27
		10	33.3	34.5	31	32.1	11	32.1	33.5	31	30.7	11	40.2	41.7	17	38.4	2	37.3	39.0	30	36.3	6
		20	34.9	36.1	19	34.0	1,5,7	33.4	34.5	31	29.0	27	34.4	36.5	19	34.4	1-2	36.6	38.0	18	35.5	1,2,6
		50	34.4	35.3	31	33.5	1-2,3	34.1	35.0	31	33.2	1	33.7	34.4	[illegible]	32.5	[illegible]	34.2	34.8	31	33.2	2
		100	33.2	34.0	30-31	32.1	1	33.3	34.1	31	32.0	1	33.3	34.0	*	32.2	1	33.3	34.0	26,28	32.2	3
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	31.5	32.5	28	30.5	9	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	28.7	29.7	31	28.0	*	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

JULY 1963

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
Cairo Area	Giza	5	31.0	32.6	19	29.5	1	30.8	32.4	4	29.2	11	44.1	46.3	4	42.8	*	37.7	39.8	23	36.4	9
		10	33.7	34.8	4	32.7	1	31.7	32.5	26	30.0	1	37.1	38.4	18	36.2	10,11	37.7	38.8	4,18,23	37.0	1
		20	34.1	34.9	19	33.2	1	33.2	34.0	19	32.2	1	33.3	34.9	26	32.5	1	34.4	35.2	18	33.6	1
		50	32.9	33.5	27,29	31.9	1,2	33.0	33.6	26	32.0	1,2	32.9	33.5	26,27,28	31.9	1	32.8	33.4	*	31.8	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Upper Egypt	Fayoum	5	—	—	—	—	—	26.8	27.8	18	26.0	*	34.0	35.4	4	32.9	21	30.2	32.0	4	29.0	8
		10	—	—	—	—	—	27.4	28.0	*	26.9	12	29.6	31.2	18	29.9	21	29.7	31.0	4	29.0	8,9
		20	—	—	—	—	—	28.3	29.0	*	28.0	*	28.8	29.4	30	28.0	12	28.9	29.3	26	28.0	9
		50	—	—	—	—	—	28.1	28.5	28	27.6	1,2	28.0	28.3	*	27.6	1,2,10	27.9	28.4	24	27.4	1,13
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya . . .(A)	5	31.9	35.0	26	29.3	9,12	29.3	31.5	5	28.0	1,21,22	37.7	40.0	17	36.0	8,9,11	35.8	38.0	18	34.0	8
		10	34.7	36.0	27	33.5	10,15	32.9	34.1	19	31.5	10	36.4	37.5	17,19,24	35.0	8,9	37.1	38.5	18	36.0	8
		20	34.2	35.5	19	33.1	2	33.4	34.5	24,27,28	32.5	11	33.8	34.6	27	32.6	3	31.6	36.5	18	33.5	14
		50	32.5	34.4	29	31.5	2	33.6	34.4	26,27	32.9	1	33.5	35.2	27	32.5	1	33.6	35.3	27	32.5	1
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mallawi . . .	5	—	—	—	—	—	28.3	30.0	5,24	28.2	22	38.3	40.0	*	36.0	22	37.6	40.5	4	34.8	13
		10	—	—	—	—	—	29.1	30.5	*	29.2	30	34.6	36.0	*	32.0	13	34.6	36.5	11	33.0	2,13
		20	—	—	—	—	—	30.9	31.0	*	30.5	*	31.0	31.8	18	30.5	29	30.1	32.0	18	30.5	29
		50	—	—	—	—	—	28.0	28.2	*	27.5	1	28.0	28.2	*	27.8	*	28.0	28.2	*	27.8	*
		100	—	—	—	—	—	25.9	26.2	*	25.4	1	25.9	26.2	*	25.4	1	25.9	26.2	*	25.4	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel . .	5	—	—	—	—	—	28.2	29.5	21,27	26.5	2	36.8	45.5	17	34.0	15	33.3	36.0	17,19	30.9	9
		10	—	—	—	—	—	29.5	30.5	23	28.3	9	33.1	38.0	17	31.5	9,15	32.9	35.0	17,19,26	31.5	10,30
		20	—	—	—	—	—	31.0	31.5	19,23	30.2	10	31.2	32.0	*	30.0	12,16	31.8	33.0	26	30.3	9
		50	—	—	—	—	—	30.6	30.6	24	29.8	10,12	31.5	32.0	*	30.5	8	31.5	32.0	*	29.0	8
		100	—	—	—	—	—	29.1	29.7	25	28.2	1	29.2	29.5	*	28.6	1	29.2	29.5	*	28.7	1,3
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

JULY 1963

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	Kom Ombo.	5	—	—	—	—	—	25.8	29.3	25	23.0	1	39.1	45.0	24	33.0	1	30.2	34.5	24	27.0	1
		10	—	—	—	—	—	26.6	29.7	24	25.0	*	33.0	35.2	25	30.0	1	30.6	32.8	29	27.2	8
		20	—	—	—	—	—	28.1	30.0	12	26.8	3	28.8	30.5	25	27.2	2	29.2	30.5	19,24	27.7	1,3
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Western Desert	Siwa	5	32.2	33.6	19	30.7	10	30.4	32.0	19,25	28.0	29	34.9	37.0	21	31.0	10	35.1	36.8	22	34.0	10
		10	32.5	33.5	23	31.4	10	30.5	31.4	20	29.8	29	34.1	35.4	21	29.8	10	36.2	36.4	22	34.2	28
		20	32.7	33.6	20,21	31.4	9,28	31.0	32.6	23	28.2	9	33.2	36.8	20	32.2	28	35.0	36.6	13,20	33.8	8,9,11
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bahariya	5	31.4	33.0	5,24	29.4	9	28.3	29.9	25	26.6	9	37.5	41.8	23	35.7	9	36.8	39.2	23	34.8	9
		10	33.5	35.0	24	31.6	9	30.8	32.2	24	29.2	9,10	35.2	36.5	23	33.4	9	36.5	38.4	23	34.8	8,9
		20	34.7	35.7	24	33.3	9	31.1	34.2	24	32 0	9,10	33.1	34.0	24,25	31.7	9	34.9	36.0	23	33.7	8,10
		50	34.0	34.9	3	33.5	13,14	34.1	34.6	26,28	33.5	11	33.9	34.4	*	32.4	13	33.9	34.4	25,27	37.2	10
		100	32.1	32.6	*	31.3	1	32.1	32.6	*	31.4	1	32.2	32.8	24	31.5	2	32.1	32.6	*	31.5	1
		200	29.6	30.3	31	28.8	1	29.6	30.2	*	28.8	1	29.6	30.3	31	28.9	1,2	29.6	30.3	31	28.9	1,2
	Farafra	5	34.7	36.8	24	32.0	3	32.5	34.6	24	30.6	10	39.4	41.1	19	37.5	9	38.4	39.9	23	36.5	9
		10	35.4	37.1	24	34.0	3	32.8	35.6	24	32.1	10	36.1	38.2	19	34.6	9	37.5	38.9	24	36.0	9
		20	35.4	36.8	24	34.3	3,11	35.7	35.8	24	34.0	13	34.3	35.8	25	33.2	11	35.5	36.7	23	34.6	13
		50	33.4	34.0	24,25,26	32 8	*	33.4	34.0	24,25,26	32.8	12	33.4	34.0	24,25	32.8	12,13	33.4	34.0	24,25	32.7	11·12
		100	30.9	31.5	*	30.2	6	30.9	31.5	27,28,29	30.4	1	31.5	32.0	*	30.4	1	30.4	31.5	*	30.0	1,2
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table A 8 — FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

JULY 1963

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	0	0	2	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	3	0	0	0	9	0	0	0	0	0	0	29	0
	Ras El Hikma	0	0	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	10	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	23	0
	Ras El Teen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0
	Alexandria (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0
	Rosetta	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	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	28	0
	El Arish	0	0	0	0	0	0	5	0	0	0	2	0	0	0	0	0	0	20	0
	Ghazza	0	0	0	0	0	0	1	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	3	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	0	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	15	0	0	0	1	0	0	0	0	0	0	—	—
	Shebin El Kom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Zagazig	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	—	—
	Abu Sueir (A)	0	0	0	0	0	0	23	1	0	0	1	0	0	0	0	0	0	21	0
	Banha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Zaher (A)	0	0	0	0	0	0	3	0	0	0	0	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	16	1	8	0	0	0	0	0	0	0	0	28	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	6	0	0	0	1	0	0	0	0	0	0	—	—
Cairo Area	Cairo (A)	0	0	0	0	0	0	22	1	8	0	1	0	0	0	0	0	0	23	0
	Mostafa Helmi (A)	0	0	0	0	0	0	26	4	6	0	14	0	0	0	0	0	0	28	0
	Almaza (A)	0	0	0	0	0	0	22	1	20	0	0	0	0	0	0	0	0	22	0
	Abbasiya (H.Q.)	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	24	0
	Imbaba (A)	0	0	0	0	0	0	5	0	2	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	28	0
	Helwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0

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

JULY 1963

District	Station	Precipitation: Rain	Precipitation: Snow	Precipitation: Ice pellets	Precipitation: Hail	Frost	Thunder-storm	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 is 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	—	—
	Minya (A)	0	0	0	0	0	0	1	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	0	0	2	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	4	0	0	0	0	0	0	31	0
Western Desert	Siwa	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	31	0
	Bahariya	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	31	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	0	0	0	0	0	0	0	31	0
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	0	0	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	4	0	0	0	0	0	0	31	0
	Hurghada	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	31	0
	Quseir	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	0	31	0
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

JULY 1963

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	2	0	18	1-10	43	31	10	7	3	4	2	4	10	14	74	224	426
					11-27	29	0	1	2	0	0	0	0	0	0	29	237	298
					28-47	0	0	0	0	0	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**	**31**	**11**	**9**	**3**	**4**	**2**	**4**	**10**	**14**	**103**	**461**	**724**
	Mersa Matruh (A)	0	3	0	1-10	69	27	6	7	3	4	4	2	2	77	96	66	363
					11-27	105	10	0	0	0	0	0	0	0	5	39	219	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	**174**	**37**	**6**	**7**	**3**	**4**	**4**	**2**	**2**	**82**	**135**	**285**	**741**
	Dekheila (A)	1	1	0	1-10	230	127	23	0	0	0	0	1	3	6	60	109	559
					11-27	114	11	1	0	0	0	0	0	0	1	13	43	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	**344**	**138**	**24**	**0**	**0**	**0**	**0**	**1**	**3**	**7**	**73**	**152**	**742**
	Ras El Teen	1	0	0	1-10	125	103	20	0	0	0	0	0	3	3	35	78	367
					11-27	239	76	1	0	0	0	0	0	0	2	12	46	376
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**364**	**179**	**21**	**0**	**0**	**0**	**0**	**0**	**3**	**5**	**47**	**124**	**743**
	Alexandria (A)	8	0	0	1-10	19[illegible]	5	0	0	0	1	4	0	7	45	34	271	559
					11-27	56	0	0	0	0	0	0	0	0	8	12	101	177
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**2[illegible]8**	**5**	**0**	**0**	**0**	**1**	**4**	**0**	**7**	**53**	**46**	**372**	**736**
	Port Said (A)	0	0	0	1-10	156	10	1	2	0	2	2	1	6	56	67	92	385
					11-27	136	1	0	0	0	0	0	0	4	46	4	107	358
					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	**282**	**11**	**1**	**2**	**0**	**2**	**2**	**1**	**10**	**102**	**132**	**199**	**744**
Lower Egypt	El Arish	5	23	0	1-10	91	36	5	2	0	31	50	82	89	20	76	187	669
					11-27	2	0	0	0	0	0	0	0	1	1	33	9	46
					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	**94**	**36**	**5**	**2**	**0**	**31**	**50**	**82**	**90**	**21**	**109**	**196**	**716**
	Ghazza	0	0	72	1-10	49	11	7	12	16	132	56	13	24	71	97	66	554
					11-27	9	6	0	0	0	0	0	3	14	24	21	41	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 speeds	**58**	**17**	**7**	**12**	**16**	**132**	**56**	**16**	**38**	**95**	**118**	**107**	**672**
	Mansoura	1	3	213	1-10	11	45	0	0	0	0	0	8	35	77	161	133	470
					11-27	0	1	0	0	0	0	0	0	0	2	34	20	57
					28-47	0	0	0	0	0	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**	**46**	**0**	**0**	**0**	**0**	**0**	**8**	**35**	**79**	**195**	**153**	**537**
	Tanta	48	0	0	1-10	47	20	1	0	0	0	0	7	82	114	184	240	695
					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	**47**	**20**	**1**	**0**	**0**	**0**	**0**	**7**	**82**	**114**	**184**	**241**	**696**

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

JULY 1963

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
Lower Egypt	Tahrir	6	0	0	1–10	106	35	4	1	0	0	1	0	41	106	172	222	688
					11–27	18	1	0	0	0	0	0	0	0	0	9	22	50
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**124**	**36**	**4**	**1**	**0**	**0**	**1**	**0**	**41**	**106**	**181**	**244**	**738**
	Abu Sueir . . . (A)	8	2	1	1–10	69	17	9	3	1	3	0	9	87	111	198	106	613
					11–27	23	5	0	0	0	0	0	1	2	4	50	35	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	**92**	**22**	**9**	**3**	**1**	**3**	**0**	**10**	**89**	**115**	**248**	**141**	**733**
	Zaher . . . . . (A)	7	6	0	1–10	100	9	4	2	2	3	2	8	69	153	115	226	693
					11–27	11	2	0	0	0	0	0	0	0	2	1	22	38
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**111**	**11**	**4**	**2**	**2**	**3**	**2**	**8**	**69**	**155**	**116**	**248**	**731**
Cairo Area	Cairo . . . . . (A)	3	28	60	1–10	68	53	14	6	2	0	1	2	5	27	116	175	469
					11–27	51	27	4	1	1	0	0	0	0	0	23	77	184
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**119**	**80**	**18**	**7**	**3**	**0**	**1**	**2**	**5**	**27**	**139**	**252**	**653**
	Mostafa Helmi . (A)	0	0	0	1–10	105	67	8	5	4	0	0	0	4	7	81	109	390
					11–27	125	113	6	0	0	0	0	0	1	0	17	92	354
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**230**	**180**	**14**	**5**	**4**	**0**	**0**	**0**	**5**	**7**	**98**	**201**	**744**
	Almaza . . . . (A)	0	0	1	1–10	277	156	45	5	8	1	1	5	6	28	36	172	740
					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	**278**	**158**	**45**	**5**	**8**	**1**	**1**	**5**	**6**	**28**	**36**	**172**	**743**
	Abbasiya . . . (H.Q)	15	0	0	1–10	319	41	13	1	0	3	1	2	3	17	88	241	729
					11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**319**	**41**	**13**	**1**	**0**	**3**	**1**	**2**	**3**	**17**	**88**	**241**	**729**
	Giza	17	0	2	1–10	308	112	6	0	0	0	4	3	2	5	32	229	701
					11–27	20	3	0	0	0	0	0	0	0	0	0	1	24
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**328**	**115**	**6**	**0**	**0**	**0**	**4**	**3**	**2**	**5**	**32**	**230**	**725**
Upper Egypt	Fayoum	68	0	1	1–10	352	36	2	0	0	1	1	2	5	17	41	216	673
					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	**353**	**36**	**2**	**0**	**0**	**1**	**1**	**2**	**5**	**17**	**41**	**217**	**675**
	Minya . . . . . (A)	60	0	0	1–10	208	119	1	0	0	0	2	3	1	15	18	244	611
					11–27	16	22	0	0	0	0	0	0	2	1	4	28	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	**224**	**141**	**1**	**0**	**0**	**0**	**2**	**3**	**3**	**16**	**22**	**272**	**684**

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

JULY 1963

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 win blowing from the ranges of directions indicated												
						345 / 014	015 / 044	045 / 074	075 / 104	105 / 134	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	315 / 344	All directions
Upper Egypt	Asyout . . . . (A)	2	12	0	1-10	0	1	1	2	0	1	8	125	245	123	70	13	589
					11-27	0	0	0	0	0	0	1	3	36	68	32	1	141
					28-47	0	0	0	0	0	0	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	1	9	128	281	191	102	14	730
	Luxor . . . . . (A)	41	33	0	1-10	108	14	1	4	5	8	25	58	66	61	75	201	626
					11-27	11	6	0	0	0	0	0	0	0	0	0	27	44
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	119	20	1	4	5	8	25	58	66	61	75	228	670
	Aswan . . . . . (A)	0	3	21	1-10	101	52	5	1	2	1	6	4	9	38	81	136	436
					11-27	83	18	3	0	0	0	0	0	1	34	63	81	283
					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	185	70	8	1	2	1	6	4	10	72	144	217	720
Western Desert	Siwa	45	0	0	1-10	125	118	70	31	11	10	1	3	7	8	106	102	592
					11-27	34	15	2	0	0	0	0	0	0	0	26	28	105
					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	161	133	72	31	11	10	1	3	7	8	132	130	699
	Dakhla	19	0	4	1-10	97	89	13	5	0	3	7	5	17	85	136	264	721
					11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
					28-47	0	0	0	0	0	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	89	13	5	0	3	7	5	17	85	136	264	721
Red Sea	Hurghada	0	3	1	1-10	25	16	9	4	3	21	6	5	3	24	89	30	235
					11-27	119	3	1	0	0	0	0	0	0	24	147	208	502
					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	144	19	10	4	3	21	6	5	3	48	236	241	740

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

SALLUM — JULY 1963

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	0	0	0	1	0	0	0	0	1	0	6	12
				11–27	1	0	0	0	0	0	0	0	0	0	6	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	5	0	0	0	1	0	0	0	0	1	6	14	27
0300	7	0	0	1–10	1	0	0	0	0	0	0	0	0	0	3	5	9
				11–27	0	0	0	0	0	0	0	0	0	1	4	10	15
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	0	0	0	1	7	15	24
0600	9	0	0	1–10	2	1	0	1	0	0	0	0	0	2	2	2	10
				11–27	0	0	0	0	0	0	0	0	0	0	2	10	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	0	1	0	0	0	0	0	2	4	12	22
0900	2	0	0	1–10	3	3	2	1	0	0	0	0	0	0	0	1	10
				11–27	9	3	1	1	0	0	0	0	0	0	2	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	12	6	3	2	0	0	0	0	0	0	2	4	29
1200	1	0	0	1–10	3	2	1	0	0	0	0	0	0	0	0	1	7
				11–27	11	8	0	0	0	0	0	0	0	0	2	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	14	10	1	0	0	0	0	0	0	0	2	3	30
1500	2	0	0	1–10	4	1	0	0	0	0	0	0	0	0	0	0	5
				11–27	11	5	1	0	0	0	0	0	0	0	1	6	24
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	6	1	0	0	0	0	0	0	0	1	6	29
1800	3	0	0	1–10	3	3	1	0	0	0	0	0	0	0	2	4	13
				11–27	1	0	0	0	0	0	0	0	0	0	1	13	15
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	3	1	0	0	0	0	0	0	0	3	17	28
2100	7	0	0	1–10	2	0	1	0	0	0	0	0	0	0	4	3	10
				11–27	2	0	0	0	0	0	0	0	0	0	2	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	4	0	1	0	0	0	0	0	0	0	6	12	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) — JULY 1963

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	1	9	7	5	23
				11-27	0	0	0	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0	1	10	8	8	28
0300	1	0	0	1-10	1	1	0	0	0	0	0	1	0	13	7	2	25
				11-27	0	0	0	0	0	0	0	0	0	2	2	1	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	0	0	0	0	0	1	0	15	9	3	30
0600	1	0	0	1-10	2	2	0	0	0	0	0	0	0	1	7	3	15
				11-27	0	0	0	0	0	0	0	0	0	0	9	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	2	2	0	0	0	0	0	0	0	1	16	9	30
0900	0	0	0	1-10	3	2	0	0	0	0	0	0	0	0	0	0	5
				11-27	7	0	0	0	0	0	0	0	0	0	1	18	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	10	2	0	0	0	0	0	0	0	0	1	18	31
1200	0	0	0	1-10	0	1	0	0	0	0	0	0	0	0	0	0	1
				11-27	14	0	0	0	0	0	0	0	0	0	1	15	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	14	1	0	0	0	0	0	0	0	0	1	15	31
1500	0	0	0	1-10	1	1	0	0	0	0	0	0	0	0	0	0	2
				11-27	9	1	0	0	0	0	0	0	0	0	2	17	29
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	2	0	0	0	0	0	0	0	0	2	17	31
1800	0	0	0	1-10	6	2	0	0	1	0	0	0	0	0	1	7	17
				11-27	2	0	0	0	0	0	0	0	0	0	3	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	8	2	0	0	1	0	0	0	0	0	4	16	31
2100	2	0	0	1-10	3	0	1	0	0	0	1	0	0	1	7	10	23
				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	3	0	1	0	0	0	1	0	0	1	9	14	29

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

DEKHEILA (A) — JULY 1963

Hour (U.T.)	Clam	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of widd blowing from the ranges of directions indicated												
					345 / 014	015 / 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	0	0	0	0	0	0	0	1	3	5	25
				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	5	0	0	0	0	0	0	0	1	3	5	30
0300	1	0	0	1—10	12	2	1	0	0	0	0	0	0	0	4	9	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	14	2	1	0	0	0	0	0	0	0	4	9	30
0600	0	0	0	1—10	9	5	1	0	0	0	0	0	0	1	5	6	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	9	5	1	0	0	0	0	0	0	1	5	10	31
0900	0	0	0	1—10	6	6	1	0	0	0	0	0	0	0	3	4	20
				11—27	0	0	0	0	0	0	0	0	0	2	0	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	6	1	0	0	0	0	0	0	2	3	13	31
1200	0	0	0	1—10	6	2	1	0	0	0	0	0	0	0	2	3	14
				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	16	4	1	0	0	0	0	0	0	0	2	8	31
1500	0	0	0	1—10	11	6	3	0	0	0	0	0	0	0	0	0	20
				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	22	6	3	0	0	0	0	0	0	0	0	0	31
1800	0	0	0	1—10	9	4	3	0	0	0	0	0	0	0	0	5	21
				11—27	6	4	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	15	8	3	0	0	0	0	0	0	0	0	5	31
2100	0	0	0	1—10	11	8	1	0	0	0	0	0	0	0	1	6	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	15	8	1	0	0	0	0	0	0	0	1	6	31

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

RAS EL TEEN — JULY 1963

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	7	4	1	0	0	0	0	0	0	0	5	0	17
				11-27	9	4	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	16	8	1	0	0	0	0	0	0	0	5	0	30
0300	0	0	0	1-10	5	7	0	0	0	0	0	1	0	0	3	4	20
				11-27	8	1	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	13	8	0	0	0	0	0	1	0	0	3	6	31
0600	0	0	0	1-10	6	6	0	0	0	0	0	0	0	0	5	3	20
				11-27	6	1	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	12	7	0	0	0	0	0	0	0	0	5	7	31
0900	1	0	0	1-10	6	4	0	0	0	0	0	0	0	0	1	4	15
				11-27	6	0	0	0	1	0	0	0	0	2	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	12	4	0	0	0	0	0	0	0	2	2	10	30
1200	0	0	0	1-10	0	1	1	0	0	0	0	0	0	0	1	2	11
				11-27	11	4	0	0	0	0	0	0	0	0	1	4	20
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	5	1	0	0	0	0	0	0	0	2	6	31
1500	0	0	0	1-10	5	1	0	0	0	0	0	0	0	0	0	2	8
				11-27	14	8	0	0	0	0	0	0	0	0	0	1	23
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	19	9	0	0	0	0	0	0	0	0	0	3	31
1800	0	0	0	1-10	3	4	1	0	0	0	0	0	0	0	0	3	11
				11-27	13	7	0	0	0	0	0	0	0	0	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
				All speeds	16	11	1	0		0	0	0	0	0	0	3	31
2100	0	0	0	1-10	5	10	0	0	0	0	[illegible]	0	0	0	0	3	18
				11-27	6	5	0	0	0	0	0	0	0	0	0	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	11	15	0	0	0	0	0	0	0	0	0	5	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 1963

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	3	0	0	0	0	0	0	0	0	3	6	14	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	3	0	0	0	0	0	0	0	0	3	7	16	29
0300	3	0	0	1-10	4	0	0	0	0	0	1	0	0	3	9	11	28
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	0	0	0	0	0	1	0	0	3	9	11	28
0600	0	0	0	1-10	4	2	0	0	0	0	0	0	1	5	8	8	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	4	2	0	0	0	0	0	0	1	5	10	9	31
0900	0	0	0	1-10	3	0	0	0	0	0	0	0	0	3	6	6	18
				11-27	0	0	0	0	0	0	0	0	1	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	3	0	0	0	0	0	0	0	1	4	13	10	31
1200	0	0	0	1-10	1	0	0	0	0	0	0	0	0	0	2	10	13
				11-27	1	0	0	0	0	0	0	0	0	1	5	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	2	0	0	0	0	0	0	0	0	1	7	21	31
1500	0	0	0	1-10	3	0	0	0	0	0	0	0	0	1	2	6	12
				11-27	2	0	0	0	0	0	0	0	0	0	2	15	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	0	0	0	0	0	0	0	0	1	4	21	31
1800	0	0	0	1-10	10	0	0	0	0	0	0	0	0	0	2	13	25
				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	10	0	0	0	0	0	0	0	0	0	3	18	31
2100	2	0	0	1-10	7	0	0	0	0	0	0	0	0	0	9	10	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	7	0	0	0	0	0	0	0	0	0	9	13	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) — JULY 1963

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 dirns
0000	0	0	0	1-10	6	0	0	0	0	1	0	0	1	3	4	7	22
				11-27	0	0	0	0	0	0	0	0	0	0	6	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	0	0	0	0	1	0	0	1	3	10	10	31
0300	0	0	0	1-10	7	0	0	0	0	0	1	0	1	2	6	2	19
				11-27	0	0	0	0	0	0	0	0	1	9	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	7	0	0	0	0	0	1	0	2	11	8	2	31
0600	0	0	0	1-10	3	1	0	0	0	0	0	0	2	6	2	10	24
				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	3	1	0	0	0	0	0	0	2	11	4	10	31
0900	0	0	0	1-10	9	0	0	0	0	0	0	0	0	5	2	6	22
				11-27	0	0	0	0	0	0	0	0	0	4	3	2	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	0	0	0	0	0	0	0	0	9	5	8	31
1200	0	0	0	1-10	12	0	0	0	0	0	0	0	0	0	0	0	12
				11-27	13	0	0	0	0	0	0	0	0	0	0	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	25	0	0	0	0	0	0	0	0	0	0	6	31
1500	0	0	0	1-10	1	0	0	0	0	0	0	0	0	0	0	1	2
				11-27	20	0	0	0	0	0	0	0	0	0	0	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	21	0	0	0	0	0	0	0	0	0	0	10	31
1800	0	0	0	1-10	9	0	0	0	0	0	0	0	0	0	0	1	10
				11-27	6	1	0	0	0	0	0	0	0	0	2	12	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	1	0	0	0	0	0	0	0	0	2	13	31
2100	0	0	0	1-10	6	1	0	0	0	0	0	0	0	0	3	8	18
				11-27	5	0	0	0	0	0	0	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	11	1	0	0	0	0	0	0	0	0	8	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 — JULY 1963

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	0	0	0	0	0	6	9	6	0	0	0	21
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	6	9	6	0	0	0	21
0300	1	0	0	1-10	0	0	0	0	0	1	9	10	9	0	0	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	1	9	10	9	0	0	1	30
0600	0	0	0	1-10	0	0	0	1	0	2	0	1	16	9	1	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	0	0	0	1	0	2	0	1	16	9	1	1	31
0900	2	0	0	1-10	0	0	0	0	0	0	0	0	0	0	11	15	26
				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	0	0	0	0	0	0	0	0	0	0	14	15	29
1200	0	0	0	1-10	2	1	0	0	0	0	0	0	0	0	3	20	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	2	1	0	0	0	0	0	0	0	0	7	21	31
1500	0	0	0	1-10	7	1	0	0	0	0	0	0	0	0	3	19	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	7	1	0	0	0	0	0	0	0	0	4	19	31
1800	1	0	0	1-10	12	3	1	0	0	0	0	0	0	0	4	10	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	3	1	0	0	0	0	0	0	0	4	10	30
2100	13	0	0	1-10	1	1	1	0	0	0	6	1	2	1	4	2	18
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	1	0	0	0	6	1	2	1	4	2	18

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

GHAZZA — JULY 1963

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	2	9	14	0	1	1	2	0	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	1
				All speeds	**0**	**0**	**0**	**0**	**2**	**9**	**14**	**0**	**2**	**1**	**2**	**0**	**30**
0300	0	0	0	1-10	0	0	0	0	1	22	6	1	0	0	0	1	31
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**0**	**0**	**1**	**22**	**6**	**1**	**0**	**0**	**0**	**1**	**31**
0600	1	0	0	1-10	0	0	0	0	0	1	3	10	6	7	1	0	28
				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**	**0**	**1**	**3**	**11**	**7**	**7**	**1**	**0**	**30**
0900	0	0	0	1-10	0	0	0	0	0	0	0	0	2	14	7	2	25
				11-27	0	0	0	0	0	0	0	0	2	4	0	0	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				> 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**	**18**	**7**	**2**	**31**
1200	0	0	0	1-10	1	0	0	0	0	0	0	0	0	3	10	2	16
				11-27	0	0	0	0	0	0	0	0	0	2	7	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**17**	**8**	**31**
1500	0	0	0	1-10	2	0	0	0	0	0	0	0	0	4	5	9	20
				11-27	2	0	0	0	0	0	0	0	0	0	0	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	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**5**	**18**	**31**
1800	0	0	0	1-10	12	2	2	1	0	0	0	0	0	2	2	8	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	**13**	**3**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**8**	**31**
2100	0	0	0	1-10	5	3	0	4	4	5	2	2	2	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	**5**	**3**	**0**	**4**	**4**	**5**	**2**	**2**	**2**	**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

ABU SUEIR (A) —JULY 1963

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	1	0	0	0	0	0	0	1	5	4	13	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	0	0	0	0	0	1	5	4	13	1	25
0300	6	0	0	1-10	0	0	0	0	0	0	0	2	10	8	4	1	25
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	2	10	8	4	1	25
0600	2	0	0	1-10	4	0	0	0	0	0	0	2	6	7	7	2	29
				11-27	0	0	0	0	0	0	0	0	0	1	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	0	0	0	0	0	0	2	6	8	7	2	29
0900	0	0	0	1-10	5	1	1	0	0	0	1	0	4	7	5	4	28
				11-27	0	0	0	0	0	0	0	1	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	1	1	0	0	0	1	1	4	8	6	4	31
1200	0	0	0	1-10	1	1	1	0	0	0	0	1	0	2	10	8	24
				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	2	1	1	0	0	0	0	1	6	3	13	10	31
1500	0	0	31	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
1800	0	0	31	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
2100	0	0	31	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 SURFCAE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

CAIRO (A) — JULY 1963

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	2	2	2	0	0	0	0	0	5	7	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	8	2	2	2	0	0	0	0	0	5	7	3	29
0300	4	0	0	1-10	4	2	1	0	1	1	0	1	3	5	6	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	4	2	1	0	1	1	0	1	3	5	6	3	27
0600	1	0	0	1-10	3	6	1	0	0	0	0	0	1	4	7	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	3	6	1	0	0	0	0	0	1	4	7	8	30
0900	0	0	0	1-10	1	5	0	0	0	0	0	0	0	3	8	11	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	5	0	0	0	0	0	0	0	4	9	12	31
1200	0	0	0	1-10	5	0	0	0	0	0	0	0	0	0	4	8	17
				11-27	2	1	0	0	0	0	0	0	0	0	7	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	7	1	0	0	0	0	0	0	0	0	11	12	31
1500	0	0	0	1-10	2	1	0	0	0	0	0	0	0	0	0	7	10
				11-27	10	1	0	0	0	0	0	0	0	0	1	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	12	2	0	0	0	0	0	0	0	0	1	16	31
1800	0	0	0	1-10	15	1	0	0	0	0	0	0	0	0	1	7	24
				11-27	2	4	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	17	5	0	0	0	0	0	0	0	0	1	8	31
2100	1	0	0	1-10	9	6	1	0	0	0	0	0	0	0	7	5	28
				11-27	0	1	1	0	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	7	2	0	0	0	0	0	0	0	7	5	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 1963

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	10	1	2	1	0	0	0	0	1	0	1	10	26
				11-27	2	0	0	0	0	0	0	0	0	0	1	1	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	1	2	1	0	0	0	0	1	0	2	11	30
0300	1	0	0	1-10	7	2	0	0	1	0	0	0	1	1	8	7	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	7	2	0	0	1	0	0	0	1	1	8	10	30
0600	0	0	0	1-10	6	5	0	0	0	0	0	0	0	0	3	8	22
				11-27	0	2	0	0	0	0	0	0	0	0	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	6	7	0	0	0	0	0	0	0	0	7	11	31
0900	1	0	0	1-10	1	9	0	0	0	0	0	0	0	0	3	5	18
				11-27	1	1	0	0	0	0	0	0	0	0	2	8	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	10	0	0	0	0	0	0	0	0	5	13	30
1200	0	0	0	1-10	2	4	1	0	0	0	0	0	0	0	3	6	16
				11-27	5	4	0	0	0	0	0	0	0	0	1	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	7	8	1	0	0	0	0	0	0	0	4	11	31
1500	0	0	0	1-10	8	2	0	0	0	0	0	0	0	0	0	2	12
				11-27	0	14	1	0	0	0	0	0	0	0	1	3	19
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	16	1	0	0	0	0	0	0	0	1	5	31
1800	0	0	0	1—10	2	0	0	0	0	0	0	0	0	0	0	1	3
				11-27	19	7	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	21	7	0	0	0	0	0	0	0	0	0	3	31
2100	0	0	0	1-10	7	1	0	1	0	0	0	0	0	0	0	4	13
				11-27	14	3	1	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	21	4	1	1	0	0	0	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) — JULY 1963

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	7	7	2	2	1	0	0	0	0	0	6	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	7	7	2	2	1	0	0	0	0	0	6	4	29
0300	1	0	0	1-10	5	7	2	0	2	0	0	0	1	5	2	6	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	7	2	0	2	0	0	0	1	5	2	6	30
0600	0	0	0	1-10	3	9	3	0	0	0	0	0	1	4	6	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	9	3	0	0	0	0	0	1	4	6	5	31
0900	0	0	0	1-10	6	3	2	0	0	0	0	0	1	6	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	3	2	0	0	0	0	0	1	6	7	6	31
1200	0	0	0	1-10	8	3	0	0	0	0	0	0	0	1	10	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	8	3	0	0	0	0	0	0	0	1	10	9	31
1500	0	0	0	1-10	7	6	0	0	0	0	0	0	0	0	3	13	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	8	7	0	0	0	0	0	0	0	0	3	13	31
1800	0	0	0	1-10	11	8	1	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	11	9	1	0	0	0	0	0	0	0	0	10	31
2100	1	0	0	1-10	5	12	2	0	0	0	0	0	0	0	1	10	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	12	2	0	0	0	0	0	0	0	1	10	30

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS ABBASIYA (H.Q.) — JULY 1963

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	16	0	2	0	0	0	0	0	0	0	2	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	16	0	2	0	0	0	0	0	0	0	2	7	27
0300	8	0	0	1-10	10	1	0	0	0	0	0	0	0	1	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	10	1	0	0	0	0	0	0	0	1	6	5	23
0600	0	0	0	1-10	8	5	0	0	0	0	0	0	1	2	3	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	5	0	0	0	0	0	0	1	2	3	12	31
0900	0	0	0	1-10	7	2	0	0	0	0	0	0	0	5	6	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	7	2	0	0	0	0	0	0	0	5	6	11	31
1200	0	0	0	1-10	11	2	0	0	0	0	0	0	0	0	3	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	11	2	0	0	0	0	0	0	0	0	3	15	31
1500	0	0	0	1-10	13	3	0	0	0	0	0	0	0	0	1	14	31
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	3	0	0	0	0	0	0	0	0	1	14	31
1800	0	0	0	1-10	10	3	0	0	0	0	0	0	0	0	0	18	31
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	3	0	0	0	0	0	0	0	0	0	18	31
2100	0	0	0	1-10	15	5	1	0	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	15	5	1	0	0	0	0	0	0	0	1	9	31

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

GIZA — JULY 1963

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the radges of direct.ons indicated												
					345 / 014	015 / 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	0	1	0	0	0	0	0	0	1	18	29
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	1	0	1	0	0	0	0	0	0	1	18	29
0300	8	0	0	1-10	6	2	0	0	0	0	0	0	0	0	2	13	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	6	2	0	0	0	0	0	0	0	0	2	13	23
0600	0	0	0	1-10	7	5	0	1	0	0	0	1	1	0	0	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	7	5	0	1	0	0	0	1	1	0	0	16	31
0900	0	0	0	1-10	4	8	0	0	0	0	0	0	1	1	3	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	4	8	0	0	0	0	0	0	1	1	3	14	31
1200	0	0	0	1-10	11	4	0	0	0	0	0	0	0	1	2	11	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	13	4	0	0	0	0	0	0	0	1	2	11	31
1500	0	0	0	1-10	6	14	1	0	0	0	0	0	0	0	0	4	25
				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	12	14	1	0	0	0	0	0	0	0	0	4	31
1800	0	0	0	1-10	16	8	0	0	0	0	0	0	0	0	0	5	29
				11-27	1	1	0	0	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	17	9	0	0	0	0	0	0	0	0	0	5	31
2100	1	0	0	1-10	15	5	1	0	0	0	0	0	0	0	0	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	15	5	1	0	0	0	0	0	0	0	0	9	30

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

HELWAN — JULY 1963

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	20	0	0	0	0	0	0	0	0	0	0	4	24
				11–27	3	2	1	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	2	1	0	0	0	0	0	0	0	0	4	30
0300	5	0	0	1–10	15	4	2	0	0	0	0	0	0	0	0	4	25
				11–27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	16	4	2	0	0	0	0	0	0	0	0	4	26
0600	6	0	0	1–10	16	1	0	1	0	0	0	0	0	0	0	4	22
				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	1	0	0	0	0	0	0	0	4	25
0900	1	0	0	1–10	3	3	0	0	0	0	0	0	1	1	6	5	19
				11–27	2	2	1	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	5	5	1	0	0	0	0	0	1	1	6	11	30
1200	1	0	0	1–10	5	1	0	1	0	0	0	0	0	3	2	4	16
				11–27	5	2	0	0	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	10	3	0	1	0	0	0	0	0	3	6	7	30
1500	1	0	0	1–10	0	1	0	0	0	0	0	0	0	2	3	4	10
				11–27	14	0	0	0	0	0	0	0	0	0	1	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	14	1	0	0	0	0	0	0	0	2	4	9	30
1800	0	0	0	1–10	3	1	0	0	0	0	0	0	0	0	0	3	7
				11–27	16	4	0	0	0	0	0	0	0	0	0	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	19	5	0	0	0	0	0	0	0	0	0	7	31
2100	0	0	0	1–10	12	0	0	0	0	0	0	0	0	0	0	3	15
				11–27	9	3	1	0	0	0	0	0	0	0	0	3	16
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	21	3	1	0	0	0	0	0	0	0	0	6	31

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

MINYA (A) — JULY 1963

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	18	2	0	0	0	0	0	0	0	0	1	6	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	19	2	0	0	0	0	0	0	0	0	1	6	28
0300	6	0	0	1-10	12	0	0	0	0	0	0	0	0	0	2	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	12	0	0	0	0	0	0	0	0	0	2	11	25
0600	3	0	0	1-10	10	5	0	0	0	0	0	0	0	2	0	8	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	12	6	0	0	0	0	0	0	0	2	0	8	28
0900	0	0	0	1-10	5	1	0	0	0	0	0	0	0	1	2	21	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	1	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	1	0	0	0	0	0	0	0	1	2	22	31
1200	1	0	0	1-10	6	6	0	0	0	0	0	0	1	0	0	7	19
				11-27	1	1	0	0	0	0	0	0	0	1	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	7	7	0	0	0	0	0	0	1	1	1	13	30
1500	2	0	0	1-10	15	9	0	0	0	0	0	0	1	0	1	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	15	9	0	0	0	0	0	0	1	0	2	2	29
1800	8	0	0	1-10	15	2	0	0	0	0	0	0	0	2	1	3	23
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	2	0	0	0	0	0	0	0	2	1	3	23
2100	5	0	0	1-10	18	0	1	0	0	0	0	0	0	1	0	3	23
				11-27	3	0	0	0	0	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	21	0	1	0	0	0	0	0	0	1	0	3	26

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

ASYOUT (A)—JULY 1963

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	1	5	16	8	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	0	0	0	1	5	16	8	0	0	30
0300	1	0	0	1-10	0	0	0	0	0	0	0	4	24	2	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	0	0	0	0	4	24	2	0	0	30
0600	0	0	0	1-10	1	0	0	0	0	0	0	0	8	21	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	1	0	0	0	0	0	0	0	8	21	0	1	31
0900	0	0	0	1-10	0	0	0	0	0	0	0	0	1	13	8	0	22
				11-27	0	0	0	0	0	0	0	0	0	6	2	1	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	0	1	19	10	1	31
1200	0	0	0	1-10	0	0	0	0	0	0	0	0	0	5	4	0	9
				11-27	0	0	0	0	0	0	0	0	1	17	4	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	0	0	0	0	0	0	0	0	1	22	8	0	31
1500	0	0	0	1-10	0	0	0	0	0	0	0	0	0	11	8	2	21
				11-27	0	0	0	0	0	0	0	0	1	7	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	0	0	0	0	0	0	0	0	1	18	10	2	31
1800	2	0	0	1-10	1	0	0	0	0	0	0	1	4	13	6	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	1	0	0	0	0	0	0	1	4	13	6	4	29
2100	4	0	0	1-10	0	0	0	0	0	0	0	6	12	6	2	1	27
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	6	12	6	2	1	27

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

LUXOR (A) — JULY 1963

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	0	1	0	0	2	2	3	4	2	0	0	16
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	1	0	0	2	2	3	4	2	0	0	16
0300	20	0	0	1-10	2	0	0	0	0	1	1	3	4	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	2	0	0	0	0	1	1	3	4	0	0	0	11
0600	20	0	0	1-10	2	0	0	0	0	0	0	1	1	1	4	1	10
				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	1	0	0	0	0	0	1	1	1	4	1	11
0900	1	0	0	1-10	7	4	0	1	0	0	0	0	0	1	3	10	26
				11-27	3	0	0	0	0	0	0	0	0	0	0	1	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	4	0	1	0	0	0	0	0	1	3	11	30
1200	0	0	0	1-10	4	1	0	0	0	0	0	0	1	3	3	13	25
				11-27	0	0	0	0	0	0	0	0	0	0	0	6	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	1	3	3	19	31
1500	0	0	0	1-10	5	1	0	1	0	0	0	0	1	0	6	13	27
				11-27	1	0	0	0	0	0	0	0	0	0	0	3	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	1	0	1	0	0	0	0	1	0	6	16	31
1800	4	0	0	1-10	3	0	0	0	0	0	0	0	0	3	6	12	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	4	0	0	0	0	0	0	0	0	3	6	14	27
2100	12	0	0	1-10	2	1	1	0	0	1	0	1	4	1	1	5	17
				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	1	1	0	0	1	0	1	4	1	1	5	19

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

ASWAN (A) — JULY 1963

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	0	0	0	0	0	0	0	2	7	17
				11-27	3	0	0	0	0	0	0	0	0	0	0	9	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	4	0	0	0	0	0	0	0	0	2	16	29
0300	4	0	0	1-10	7	1	0	0	0	0	0	1	0	0	4	7	20
				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	11	1	0	0	0	0	0	1	0	0	4	10	27
0600	1	0	0	1-10	10	0	0	0	1	0	2	0	1	2	0	2	18
				11-27	7	2	0	0	0	0	0	0	0	0	0	2	11
				28-47	1	0	0	0	0	0	0	0	0	0	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	18	2	0	0	1	0	2	0	1	2	0	4	30
0900	0	0	0	1-10	5	4	1	0	0	0	1	1	0	1	1	1	15
				11-27	9	1	0	0	0	0	0	0	1	0	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	14	5	1	0	0	0	1	1	1	1	3	4	31
1200	0	0	0	1-10	1	3	0	0	0	0	0	1	0	2	2	2	11
				11-27	6	1	1	0	0	0	0	0	1	2	5	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	7	4	1	0	0	0	0	1	1	4	7	6	31
1500	0	0	0	1-10	2	0	0	0	0	0	0	0	1	1	1	0	5
				11-27	6	2	0	0	0	0	0	0	0	5	4	8	25
				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	9	2	0	0	0	0	0	0	1	6	5	8	31
1800	0	0	0	1-10	1	0	0	0	0	0	0	0	0	2	3	4	10
				11-27	6	1	0	0	0	0	0	0	0	4	1	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	7	1	0	0	0	0	0	0	0	6	4	13	31
2100	0	0	0	1-10	5	0	0	0	0	0	0	0	0	3	4	6	18
				11-27	3	0	0	0	0	0	0	0	0	1	2	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	0	4	6	13	31

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

SIWA — JULY 1963

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	11	0	0	1–10	5	3	3	2	2	0	0	0	0	0	3	1	19
				11–27	0	1	0	0	0	0	0	0	0	0	0	0	1
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	4	3	2	2	0	0	0	0	0	3	1	20
0300	19	0	0	1–10	2	1	2	1	0	0	0	0	0	1	2	3	12
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	2	1	0	0	0	0	0	1	2	3	12
0600	4	0	0	1–10	8	2	2	1	1	0	0	0	0	0	1	12	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	2	1	1	0	0	0	0	0	1	12	27
0900	0	0	0	1–10	3	1	2	2	2	2	0	0	1	2	6	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	3	1	2	2	2	2	0	0	1	2	6	10	31
1200	0	0	0	1–10	1	1	1	1	0	2	0	0	1	1	6	8	22
				11–27	1	0	0	0	0	0	0	0	0	0	3	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	2	1	1	1	0	2	0	0	1	1	9	13	31
1500	1	0	0	1–10	5	2	1	0	0	0	0	1	0	1	3	5	18
				11–27	3	0	0	0	0	0	0	0	0	0	1	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	8	2	1	0	0	0	0	1	0	1	4	13	30
1800	7	0	0	1–10	4	5	2	0	0	0	0	0	0	1	3	4	19
				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	7	6	2	0	0	0	0	0	0	1	3	5	24
2100	12	0	0	1–10	1	3	3	1	0	0	0	0	0	1	1	1	11
				11–27	2	4	1	1	0	0	0	0	0	0	0	0	8
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	7	4	2	0	0	0	0	0	1	1	1	19

Table A 10 —NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS BAHARIYA —JULY 1963

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	13	1	0	0	0	0	0	0	0	0	1	24
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	13	1	0	0	0	0	0	0	0	0	1	24
0300	23	0	0	1-10	5	3	0	0	0	0	0	0	0	0	0	0	8
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	3	0	0	0	0	0	0	0	0	0	0	8
0600	15	0	0	1-10	10	4	0	0	0	0	0	0	0	1	0	1	16
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	4	0	0	0	0	0	0	0	1	0	1	16
0900	3	0	0	1-10	8	6	3	0	0	0	0	0	0	1	2	5	25
				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	9	6	3	0	0	0	0	0	0	1	4	5	28
1200	0	0	0	1-10	7	4	0	0	0	0	0	0	0	0	4	9	24
				11-27	4	1	0	0	0	0	0	0	0	0	1	1	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	5	0	0	0	0	0	0	0	0	5	10	31
1500	9	0	0	1-10	9	3	1	0	0	0	0	0	0	0	1	5	19
				11-27	4	0	0	0	0	0	0	0	0	0	3	5	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	3	1	0	0	0	0	0	0	0	4	10	31
1800	1	0	0	1-10	11	2	0	0	0	0	0	0	0	2	0	11	26
				11-27	1	2	0	0	0	0	0	0	0	0	0	1	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	4	0	0	0	0	0	0	0	2	0	12	30
2100	2	0	0	1-10	4	13	1	1	0	0	0	0	0	1	1	5	26
				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	5	15	1	1	0	0	0	0	0	1	1	5	29

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

DAKHLA — JULY 1963

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	1	0	0	0	0	0	0	0	9	9	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	**4**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**9**	**6**	**29**
0300	1	0	0	1–10	2	1	0	0	1	1	0	1	5	11	7	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	**2**	**1**	**0**	**0**	**1**	**1**	**0**	**1**	**5**	**11**	**7**	**1**	**30**
0600	1	0	0	1–10	6	0	0	0	0	0	2	0	0	4	11	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	**6**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**4**	**11**	**7**	**30**
0900	0	0	0	1–10	11	5	0	0	0	0	0	0	0	1	4	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	**11**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**10**	**31**
1200	0	0	0	1–10	9	4	0	0	0	0	0	0	0	2	2	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	**9**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**14**	**31**
1500	0	0	0	1–10	11	4	0	0	0	0	0	0	0	0	2	10	27
				11–27	3	0	0	0	0	0	0	0	0	0	0	1	4
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**14**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**11**	**31**
1800	0	0	0	1–10	19	2	2	0	0	0	0	0	0	0	0	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	**19**	**2**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**31**
2100	2	0	0	1–10	7	1	0	0	0	0	0	0	1	3	8	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	**7**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**8**	**9**	**29**

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

TOR — JULY 1963

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	0	0	0	0	0	0	0	1	0	8	5	14
				11-27	0	0	0	0	0	0	0	0	0	1	11	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	1	1	19	7	28
0300	7	0	0	1-10	1	0	0	0	0	0	0	0	0	0	6	4	11
				11-27	0	0	0	0	0	0	0	0	0	0	10	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	0	0	0	0	0	0	0	0	0	16	7	24
0600	3	0	0	1-10	1	0	0	0	0	0	0	0	0	0	8	4	13
				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	1	0	0	0	0	0	0	0	0	2	18	7	28
0900	1	0	0	1-10	0	0	0	0	0	0	0	0	0	3	5	0	8
				11-27	0	0	0	0	0	0	0	0	0	0	18	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	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	1	7	2	10
				11-27	0	0	0	0	0	0	0	0	0	1	16	4	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	0	0	2	23	6	31
1500	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	0	0	0	7	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	17	12	31
1800	0	0	0	1-10	3	0	0	0	0	0	0	0	0	2	11	4	20
				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	5	0	0	0	0	0	0	0	0	2	15	9	31
2100	3	0	0	1-10	1	0	0	0	0	0	0	0	0	0	11	2	14
				11-27	2	0	0	0	0	0	0	0	0	0	6	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	3	0	0	0	0	0	0	0	0	0	17	8	28

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

HURGHADA — JULY 1963

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	7	6	3	16
				11-27	0	0	0	0	0	0	0	0	0	4	9	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	0	0	0	0	0	0	0	0	0	11	15	5	31
0300	0	0	0	1-10	1	0	0	0	0	0	0	0	0	2	7	3	13
				11-27	0	0	0	0	0	0	0	0	0	0	6	11	17
				28-47	0	0	0	0	0	0	0	0	0	0	0	1	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	0	0	0	2	13	15	31
0600	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	0	2	2
				11-27	0	0	0	0	0	0	0	0	0	0	5	24	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	0	0	0	0	0	0	0	0	0	0	5	26	31
0900	0	0	0	1-10	3	3	1	0	0	0	0	0	0	0	0	0	7
				11-27	14	1	0	0	0	0	0	0	0	0	0	9	24
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	17	4	1	0	0	0	0	0	0	0	0	9	31
1200	0	0	0	1-10	0	3	2	2	0	0	0	0	0	0	0	0	7
				11-27	19	1	0	0	0	0	0	0	0	1	0	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	19	4	2	2	0	0	0	0	0	1	0	3	31
1500	1	0	0	1-10	3	0	0	0	0	5	0	0	0	0	0	4	12
				11-27	2	0	0	0	0	0	0	0	0	0	0	16	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	0	0	5	0	0	0	0	0	20	30
1800	2	0	0	1-10	0	0	0	0	0	0	5	0	0	0	4	1	10
				11-28	0	0	0	0	0	0	0	0	0	0	11	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	0	0	0	0	0	0	5	0	0	0	15	9	29
2100	0	0	0	1-10	0	0	0	0	0	0	0	2	0	7	3	2	14
				11-27	1	0	0	0	0	0	0	0	0	5	11	0	17
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	0	2	0	12	14	2	31

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

QUSEIR — JULY 1963

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	2	10	3	6	21
				11-27	0	0	0	0	0	0	0	0	0	1	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	0	0	0	0	0	0	0	0	2	11	3	11	27
0300	2	0	0	1-10	1	0	0	0	0	0	0	0	0	9	6	5	21
				11-27	2	0	0	0	0	0	0	0	0	0	1	5	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	0	0	0	0	0	0	0	9	7	10	29
0600	0	0	0	1-10	2	1	0	0	0	0	0	0	0	0	1	5	9
				11-27	10	0	0	0	0	0	0	0	0	0	0	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	12	1	0	0	0	0	0	0	0	0	1	17	31
0900	0	0	0	1-10	0	2	1	0	0	0	0	0	0	0	0	1	4
				11-27	25	1	1	0	0	0	0	0	0	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	25	3	2	0	0	0	0	0	0	0	0	1	31
1200	0	0	0	1-10	4	3	1	1	0	0	0	0	0	0	0	0	9
				11-27	19	1	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	23	4	1	1	0	0	0	0	0	0	0	2	31
1500	5	0	0	1-10	13	2	0	0	1	0	0	0	0	0	0	5	21
				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	15	2	0	0	1	0	0	0	0	0	0	8	26
1800	19	0	0	1-10	1	0	0	0	0	1	0	0	0	1	4	4	11
				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	1	0	0	0	1	4	5	12
2100	18	0	0	1-10	0	0	0	0	0	0	0	0	0	5	2	6	13
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	0	0	5	2	6	13

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — JULY 1963

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	1006mb.	1010mb.	1001mb.	26	23.9	25.6	22.3	26	21.3
1000	26	98	133	63	26	23.6	25.1	22.1	26	20.8
850	26	1507	1536	1463	26	18.3	23.9	12.6	24	3.4
700	26	3142	3173	3087	26	9.7	15.5	5.[illegible]	8	7.2
600	26	4406	4446	4358	26	3.1	[illegible].3	[illegible].5	—	—
500	26	5858	5912	5799	26	5.7	1.2	[illegible].3	—	—
400	26	7570	7644	7500	26	17.1	13.3	[illegible]	—	—
300	26	9673	9773	9567	26	[illegible].6	−27.2	[illegible]	—	—
200	26	12419	12567	12314	26	−49.0	46.5	−54.4	—	—
150	24	14280	14409	14146	24	61.8	−57.0	66.6	—	—
100	22	16725	16874	16590	22	71.7	65.2	76.7	—	—
60	13	19829	19976	19706	13	−59.3	50.2	[illegible]	—	—
40	10	22379	22483	22265	10	−54.8	−51.4	59.4	—	—
30	3	24267	24285	24249	3	−50.0	−48.0	−52.0	—	—
20	1	26898	—	—	1	−50.0	—	—	—	—
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

MERSA MATRUH (A) — 1200 U.T. — JULY 1963

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	25	1005mb.	1010mb.	1001mb.	25	27.2	29.5	25.7	25	21.8
1000	25	96	131	54	25	26.8	29.9	24.6	25	21.1
850	25	1515	1541	1470	25	20.0	26.6	17.0	22	3.2
700	25	3160	3211	3104	25	10.7	17.6	6.2	9	7.7
600	25	4426	4475	4370	25	4.0	6.1	1.0	3	13.9
500	23	5887	5950	5823	23	4.5	1.0	8.2	—	—
400	23	7610	7703	7523	23	16.4	11.7	2.0	—	—
300	23	9716	9859	9622	23	29.1	25.5	38.0	—	—
200	22	12506	12672	12380	22	6.9	44.8	51.4	—	—
150	22	14350	14529	14210	22	62.7	56.0	64.0	—	—
100	19	16793	16973	16651	19	70.9	66.6	77.4	—	—
60	7	19898	19947	19817	7	58.1	55.0	60.8	—	—
40	5	22504	22598	22466	5	48.9	36.3	55.8	—	—
30	2	24390	24507	24274	2	45.7	−41.0	50.5	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Number of observation of specified pressure surfaces.

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—0000 U.T. — JULY 1963

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	992mb.	995mb.	988mb.	31	23.7	26.4	22.0	31	18.8
1000	31	72	100	44	—	—	—	—	—	—
850	31	1480	1511	1452	31	20.1	24.3	17.0	23	7.2
700	31	3124	3156	3081	31	11.3	16.0	3.7	5	—6.0
600	31	4386	4440	4333	31	4.6	9.8	1.1	2	—12.5
500	31	5860	5937	5786	31	—3.5	2.3	—7.7		—
400	31	7584	7697	7515	31	—14.1	—10.5	—19.9	—	—
300	31	9711	9832	9610	31	—28.8	—22.5	—33.4	—	—
200	29	12493	12655	12341	28	—49.1	—41.6	—55.6	—	—
150	29	14327	14557	14105	29	—63.3	—53.2	—71.0	—	—
100	27	16757	17094	16584	27	—74.3	—65.3	—77.8	—	—
60	27	19806	20181	19640	27	—61.9	—56.4	—66.4	—	—
40	20	22343	22461	22230	20	—54.9	—52.4	—57.4	—	—
30	12	24176	24272	24083	12	—51.0	—47.2	—52.9	—	—
20	6	26835	26917	26777	6	—47.2	—44.6	—51.2	—	—
10	1	31475	—	—	1	—37.8	—	—	—	—

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

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

Table B 1. UPPER AIR CLIMATOLOGICAL DATA

HELWAN—1200 U.T. — JULY 1963

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	991mb.	994mb.	987mb.	31	34.3	37.6	31.4	31	12.1
1000	31	67	92	36	—	—	—	—	—	—
850	31	1492	1512	1470	31	20.6	27.8	16.5	27	—3.0
700	31	3139	3162	3105	31	1.9	15.3	6.9	6	—10.4
600	31	4412	4438	4360	31	5.3	9.3	—1.1	—	—
500	31	5877	5913	5803	31	—3.0	2.1	—7.3	—	—
400	31	7613	7667	7505	31	14.9	10.2	—20.5	—	—
300	31	9742	9810	9595	31	—28.0	24.8	—31.1	—	—
200	30	12535	12613	12360	30	—48.4	—45.8	—50.7	—	—
150	30	14370	14447	14190	30	62.2	—59.2	—66.0	—	—
100	28	16801	16896	16632	28	73.5	—69.0	—78.4	—	—
60	24	19860	19999	19659	24	—60.1	—54.8	—65.6	—	—
40	19	22448	22589	22370	19	—55.8	—46.6	—56.2	—	—
30	12	24320	24469	24248	12	—50.5	—46.0	—58.0	—	—
20	4	27054	27097	26984	4	—40.4	—37.0	—42.7	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) —0000 U.T. — JULY 1963

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	983mb.*	986mb.*	980mb.*	31	28.3	32.0	26.0	31	5.0
1000	—	—	—	—	—	—	—	—	—	—
850	31	1471	1493	1443	31	22.8	28.0	19.4	26	1.1
700	31	3124	3152	3090	31	11.5	14.5	7.4	12	— 6.1
600	31	4391	4426	4354	31	2.8	4.9	0.2	11	—11.9
500	31	5842	5874	5798	31	5.5	— 2.0	— 9.0	4	—18.3
400	30	7563	7605	7513	30	—15.4	—10.6	—19.4	—	—
300	30	9676	9734	9607	30	—30.2	—27.6	—35.2	—	—
200	29	12437	12532	12363	29	—51.7	—48.2	—60.0	—	—
150	28	14219	14316	14173	28	—65.2	—63.3	—67.2	—	—
100	24	16635	16742	16545	24	—77.8	—73.2	—82.6	—	—
60	16	19661	19735	19520	16	—62.5	—57.8	—66.4	—	—
40	12	22203	22289	22036	12	—56.0	—53.0	—58.1	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — JULY 1963

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	983mb.*	986mb.*	980mb.*	29	40.1	43.0	38.2	29	5.4
1000	—	—	—	—	—	—	—	—	—	—
850	29	1497	1521	1461	29	26.1	30.7	22.1	17	0.0
700	29	3163	3201	3105	29	13.7	20.2	9.9	11	— 6.8
600	29	4440	4492	4413	29	5.2	8.6	2.1	10	— 5.0
500	28	5908	5966	5867	28	— 2.4	— 0.5	— 7.0	4	—18.0
400	27	7646	7706	7586	27	—13.2	—10.7	—16.5	—	—
300	27	9778	9845	9699	27	—27.6	—25.7	—30.2	—	—
200	24	12755	12645	12258	24	—49.0	—46.2	—60.7	—	—
150	23	14378	14367	14322	23	—62.5	—59.1	—66.5	—	—
100	20	16827	16893	16738	20	—74.4	—67.7	—83.3	—	—
60	16	19885	19990	19769	16	—61.1	—54.6	—75.3	—	—
40	2	22500	22512	22489	2	—57.4	—54.3	—60.5	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

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 1963

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 . .	4930 (26)	562 (26)	— —	5470	528	—	4370	604	—	12912 (26)	191 (26)	—73.0 (26)	15610	124	—75.3	8500	352	—24.5	12500	—	250	117
Helwan. . . .(A)	5280 (31)	540 (31)	— —	6220	483	—	4780	568	—	14760 (29)	142 (29)	—66.3 (29)	16440	106	—77.5	11150	244	—41.2	15500	121	240	108
Aswan . . . .(A)	4817 (31)	569 (31)	—13.7 (7)	5380	530	—	4400	598	—	15262 (24)	128 (24)	—72.2 (24)	16681	100	—77.3	13380	173	—59.6	13400	176	150	140

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

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 1963

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)	5125 (25)	550 (25)	—17.6 (1)	5840	705	—	4610	582	—19.9	13123 (22)	188 (22)	—69.1 (22)	15460	124	—65.8	9700	301	—39.9	15000	135	220	110
Helwan	5247 (31)	534 (31)	— —	6190	483	—	4200	612	—	14494 (27)	150 (27)	—62.9 (27)	17560	88	—24.3	10300	277	—33.3	12300	202	250	95
Aswan . . . (A)	5137 (28)	518 (28)	—12.6 (4)	5680	516	—	4470	560	—15.5	16152 (19)	113 (19)	—72.7 (19)	18151	80	—75.2	14690	142	—65.2	16000	—	120	156

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

Table B 3.—NUMBFR 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 1963

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	10	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	8	8	11	9	12	2	26	10
1000	2	10	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	8	8	11	9	12	2	26	10
850	8	19	1	11	1	31	0	—	0	—	0	—	0	—	0	—	0	—	1	14	4	20	11	17	0	26	18
700	3	16	3	12	1	14	0	—	0	—	0	—	0	—	0	—	0	—	7	14	5	21	7	16	0	26	16
600	2	10	2	14	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	17	8	21	10	15	0	26	17
500	2	15	2	10	1	5	0	—	0	—	0	—	0	—	0	—	0	—	10	21	10	20	1	17	0	26	19
400	1	14	0	—	0	—	0	—	0	—	0	—	1	8	3	14	5	23	12	26	1	27	3	20	0	26	26
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	31	7	43	7	38	3	30	1	17	0	26	35
200	0	—	0	—	0	—	0	—	0	—	0	—	2	13	9	46	10	55	2	33	2	6	0	—	0	25	43
150	0	—	0	—	0	—	0	—	0	—	0	—	4	20	8	48	9	46	3	17	0	—	0	—	0	24	39
100	0	—	0	—	0	—	0	—	0	—	0	—	2	52	6	28	4	29	0	—	0	—	0	—	0	12	32
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	11	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	16	17	16	0	25	15
1000	4	12	1	11	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	16	16	16	0	24	14
850	4	19	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	14	6	19	13	17	0	25	18
700	5	17	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	9	2	18	9	19	8	16	0	25	17
600	3	10	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	7	7	17	8	21	6	20	0	25	18
500	1	15	0	—	0	—	0	—	0	—	0	—	0	—	1	18	2	26	9	19	7	18	3	19	0	23	19
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	22	3	24	10	27	3	19	2	18	0	23	24
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	31	7	45	8	32	2	28	1	11	0	23	35
200	0	—	0	—	0	—	0	—	0	—	0	—	1	12	9	30	8	46	4	28	0	—	0	—	0	22	36
150	0	—	0	—	0	—	0	—	0	—	0	—	6	22	6	39	5	37	2	26	0	—	0	—	0	19	32
100	0	—	0	—	0	—	1	20	1	17	0	—	5	25	0	—	2	6	0	—	0	—	0	—	0	9	19
60	0	—	0	—	0	—	3	26	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	3	26
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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. — JULY 1963

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	23	9	2	13	1	14	0	—	0	—	0	—	0	—	0	—	0	—	0		0		1	[illegible]	[illegible]	[illegible]	9
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				—	—		—	—
850	8	16	4	16	1	15	0	—	0	—	0		0	—	1	3	1	10	5	19	5	12	6	16	0	31	15
700	6	16	2	6	1	5	1	9	0	—	0	—	0		0	—	5	14	[illegible]	17	6	16	5	15	0	31	14
600	2	13	2	8	0	—	0	—	0	—	0	—	0		3	18	2	22	6	14	5	12	6	12	0	30	14
500	2	11	2	5	0	—	0	—	0	—	0	—	0		3	18	7	19	10	15	4	18	2	18	0	30	16
400	0	—	0	—	0	—	0	—	0	—	0	—	0		6	16	9	26	9	26	3	15	2	[illegible]	0	29	21
300	0	—	0	—	0	—	0	—	0	—	0		3	[illegible]	6	23	14	31	5	30	0		1	[illegible]	0	29	37
200	2	6	0	—	0	—	0	—	0	—	1	18	6	30	9	28	10	41	0	—	0	—	0		0	28	32
150	0	—	0	—	1	16	0	—	0		1	[illegible]	9	33	6	30	6	46	0	—	0	—	1	2	0	27	34
100	0	—	0	—	0	—	3	11	3	22	5	36	5	30	6	21	0	—	0		0		0		0	22	26
60	0	—	0		0	—	10	31	5	27	0	—	1	30	0	—	0	—	0	—	0	—	0	—	0	16	29
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	12	2	12	0	—	1	10	0	—	0	—	0	—	0	—	0	—	3	8	6	10	8	12	1	31	11
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	8	10	3	10	2	10	0	—	0	—	1	5	0	—	1	8	1	9	5	13	8	16	2	7	0	31	12
700	2	17	4	7	0	—	0	—	0	—	0	—	2	6	1	32	3	15	7	8	9	15	3	16	0	31	13
600	1	8	2	10	1	11	0	—	0	—	0	—	1	12	1	26	9	16	5	15	9	14	2	21	0	31	15
500	0	—	1	3	0	—	1	7	0	—	0	—	1	3	5	17	8	22	8	18	3	15	4	15	0	31	17
400	0	—	0	—	0	—	0	—	1	17	0	—	0	—	4	10	12	28	12	20	2	16	0	—	0	31	22
300	0	—	0	—	0	—	0	—	0	—	0	—	4	18	8	20	11	46	5	28	1	14	1	8	0	30	30
200	1	4	0	—	0	—	1	25	0	—	2	20	7	29	6	36	8	40	1	95	1	10	1	16	0	28	33
150	0	—	0	—	0	—	1	13	2	24	0		10	32	10	39	3	27	1	5	0	—	0	—	0	27	32
100	0	—	0	—	0	—	3	28	1	19	8	29	5	27	1	36	1	17	0	—	0	—	0	—	0	19	26
60	0	—	0	—	0	—	4	28	5	29	1	28	0	—	0	—	0	—	0	—	0	—	0	—	0	10	28
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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. — JULY 1963

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	12	3	7	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	11	1	6	3	11	4	31	9
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	5	17	1	17	0	—	0	—	0	—	0	—	2	10	0	—	1	14	3	14	9	14	10	10	0	31	13
700	0	—	1	4	0	—	1	2	0	—	2	11	1	3	3	12	8	13	9	11	3	21	3	16	0	31	12
600	0	—	1	5	1	16	0	—	1	2	0	—	0	—	8	16	12	20	5	20	1	15	2	30	0	31	18
500	0	—	1	6	1	15	2	19	1	9	3	10	0	—	4	18	11	24	3	15	2	14	3	7	0	31	17
400	3	16	1	3	3	6	5	20	1	15	4	16	1	13	3	11	4	24	2	16	1	16	1	10	1	30	15
300	0	—	1	2	4	13	3	15	5	28	3	8	1	11	5	15	3	14	2	25	1	13	1	9	1	30	15
200	1	26	3	14	0	—	5	24	9	43	2	16	2	9	4	33	2	19	0	—	1	12	0	—	0	29	28
150	0	—	0	—	2	12	6	35	5	40	2	19	1	21	3	39	2	6	1	30	0	—	0	—	1	23	28
100	0	—	0	—	0	—	6	45	5	33	2	46	4	36	2	31	0	—	0	—	0	—	0	—	0	19	39
60	0	—	0	—	0	—	1	78	1	83	1	27	1	27	0	—	0	—	0	—	0	—	0	—	0	4	54
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	11	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	12	6	10	2	10	4	8	1	29	10
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	3	18	1	10	0	—	0	—	0	—	0	—	0	—	1	9	3	8	2	19	11	13	8	16	0	29	14
700	1	11	0	—	0	—	0	—	0	—	0	—	0	—	4	19	8	14	8	23	4	14	4	17	0	29	17
600	0	—	0	—	1	3	0	—	0	—	1	4	3	16	5	17	11	24	6	17	0	—	1	7	0	28	18
500	1	13	0	—	0	—	2	12	3	15	2	27	3	26	6	13	6	18	2	24	2	10	1	6	0	28	17
400	0	—	2	7	3	21	7	19	1	10	1	23	1	3	4	11	1	20	1	8	4	11	1	2	1	27	14
300	1	11	4	13	6	20	3	29	5	20	3	14	2	11	0	—	2	30	1	7	0	—	0	—	0	27	18
200	0	—	0	—	0	—	10	28	4	38	5	25	2	18	0	—	0	—	1	11	0	—	0	—	1	23	26
150	0	—	0	—	0	—	8	38	7	12	3	32	2	32	0	—	1	16	0	—	0	—	1	5	0	22	36
100	0	—	1	29	0	—	5	48	5	50	2	41	0	—	0	—	0	—	0	—	0	—	0	—	0	13	46
60	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

REVIEW OF AGRO-METEOROLOGICAL STATIONS

GIZA — JULY 1963

During this month, the weather was generally mild. The mean air temperature at 2 metres above ground was slightly above normal (+0.1°C) and the mean relative humidity was above normal (+5%).

In the dry field, the extreme maximum soil temperatures at 1, 2, 5, 10 & 100 cms depths were higher than the corresponding values of July 1962 by 2.5, 3.2, 0.6, 0.3 & 0.1°C respectively. At 0.3, 20, & 50 cms depths, the values were lower than the corresponding values of last July by 0.9, 0.1, & 0.1 °C respectively. The extreme minimum soil temperatures at different depths, except for 2, 50 & 100 cms, were higher than the corresponding values of July 1962, the maximum difference was 0.9°C at 0.3 cm depth. At 50 cms depth, the extreme minimum soil temperature was —0.1°C than the corresponding value of July 1962. At 2 & 100 cms depths, the extreme minimum soil temperatures were equal to the corresponding values of last July.

The mean daily wind speed at 2 metres above the ground was higher than the corresponding value of July 1962 by 0.3 m/sec. The mean daily values of Piche evaporation, water pan evaporation and potential evapotranspiration were higher than the corresponding values of last July by 0.1, 0.5 & 0.7 mms respectively ; while the value of potential evaporation was lower than that of last year by 0.2 mm. The total actual duration of bright sunshine was 1.5 hours higher than the corresponding value of July 1962.

TAHRIR — JULY 1963

This month was characterized by an intense heat wave during the 4th week with a peak of 40.3°C, being the extreme maximum of the month, on the 23rd ; yielding also the extreme minimum relative humidity. The month was rainless as usual with occasional early morning mist.

Mean temperature, relative humidity and vapour pressure of this month were higher than the previous July by 0.4°C, 1% 1.2 mms respectively. Mean wind speed at 2 metres and mean Piche evaporation were the same as last year, while the mean evaporation from pan A, and total actual sunshine duration were less than last year by 0.16 mm and 0.6 hour respectively.

Soil temperature maxima were less than the corresponding values of last year between 0.3 and 20 cms depths, the difference decreasing with depth from 2.1°C at the surface to 0.1°C at 20 cms. From 50 cms downwards to 3 metres, there was a constant positive deviation of 0.2°C. The minima were systematically higher than last year ; the difference ranged between 1.6°C at 5 cms depth and 0.0°C at 3 metres depth.

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

GIZA — JULY 1963

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	36.2	20.4	28.0	24.5	30.1	24.0	24.0	24.0	24.0	24.0	24.0	15.5	11.5	1.5	0.0	0.0
2	36.0	20.5	28.0	25.8	29.8	24.0	24.0	24.0	24.0	24.0	24.0	16.5	9.0	0.0	0.0	0.0
3	36.4	21.0	28.9	25.7	31.0	24.0	24.0	24.0	24.0	24.0	24.0	17.0	10.5	2.5	0.0	0.0
4	38.6	23.1	29.8	26.6	32.3	24.0	24.0	24.0	24.0	24.0	24.0	18.0	11.0	5.5	0.0	0.0
5	35.0	22.0	28.1	26.2	30.2	24.0	24.0	24.0	24.0	24.0	24.0	15.5	9.0	0.0	0.0	0.0
6	34.2	21.0	27.1	24.7	29.1	24.0	24.0	24.0	24.0	24.0	24.0	14.5	7.5	0.0	0.0	0.0
7	34.0	21.8	27.0	24.4	28.8	24.0	24.0	24.0	24.0	24.0	24.0	13.0	6.5	0.0	0.0	0.0
8	33.3	21.4	26.6	24.2	28.3	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.0	0.0	0.0	0.0
9	32.5	21.9	26.4	24.2	28.6	24.0	24.0	24.0	24.0	24.0	24.0	13.5	6.0	0.0	0.0	0.0
10	34.0	20.6	27.1	23.7	29.0	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.5	0.0	0.0	0.0
11	34.5	20.0	27.3	24.2	29.4	24.0	24.0	24.0	24.0	24.0	24.0	15.5	9.5	0.0	0.0	0.0
12	35.0	21.2	27.4	25.1	29.4	24.0	24.0	24.0	24.0	24.0	24.0	13.0	8.5	0.0	0.0	0.0
13	35.7	23.4	28.3	25.3	30.3	24.0	24.0	24.0	24.0	24.0	24.0	15.5	8.5	0.5	0.0	0.0
14	36.7	21.4	28.4	25.1	30.7	24.0	24.0	24.0	24.0	24.0	24.0	15.5	9.5	3.0	0.0	0.0
15	35.5	22.9	28.1	25.2	30.0	24.0	24.0	24.0	24.0	24.0	24.0	15.5	9.0	0.0	0.0	0.0
16	37.2	23.2	28.7	25.5	30.9	24.0	24.0	24.0	24.0	24.0	24.0	16.0	9.5	3.5	0.0	0.0
17	36.6	22.2	28.9	25.8	31.1	24.0	24.0	24.0	24.0	24.0	24.0	17.5	10.5	1.0	0.0	0.0
18	36.9	22.7	29.9	27.7	32.1	24.0	24.0	24.0	24.0	24.0	24.0	19.5	11.5	3.5	0.0	0.0
19	34.1	23.5	28.0	26.0	30.0	24.0	24.0	24.0	24.0	24.0	24.0	23.0	7.5	0.0	0.0	0.0
20	32.6	21.6	26.6	24.1	28.7	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.5	0.0	0.0	0.0
21	33.4	20.3	26.4	23.7	28.6	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.0	0.0	0.0	0.0
22	35.9	21.4	28.1	24.0	30.8	24.0	24.0	24.0	24.0	24.0	24.0	16.5	8.5	0.0	0.0	0.0
23	39.1	20.5	29.7	24.0	32.6	24.0	24.0	24.0	24.0	24.0	24.0	17.5	12.0	5.5	0.0	0.0
24	35.6	23.2	28.4	24.5	29.8	24.0	24.0	24.0	24.0	24.0	24.0	17.5	8.5	0.0	0.0	0.0
25	34.7	22.2	28.2	23.9	30.1	24.0	24.0	24.0	24.0	24.0	24.0	18.5	8.5	0.0	0.0	0.0
26	34.0	23.4	27.6	23.1	29.4	24.0	24.0	24.0	24.0	24.0	24.0	16.5	7.0	0.0	0.0	0.0
27	34.2	22.2	27.4	22.7	28.7	24.0	24.0	24.0	24.0	24.0	24.0	15.5	8.0	0.0	0.0	0.0
28	32.6	22.3	26.9	22.4	28.2	24.0	24.0	24.0	24.0	24.0	24.0	14.5	6.0	0.0	0.0	0.0
29	34.0	19.9	27.1	22.0	28.4	24.0	24.0	24.0	24.0	24.0	24.0	16.0	6.0	0.0	0.0	0.0
30	35.5	21.2	28.1	22.7	30.0	24.0	24.0	24.0	24.0	24.0	24.0	16.5	9.5	0.0	0.0	0.0
31	36.0	23.4	28.6	23.2	30.4	24.0	24.0	24.0	24.0	24.0	24.0	16.5	9.0	1.0	0.0	0.0
Total	—	—	—	—	—	744.0	744.0	744.0	744.0	744.0	744.0	496.5	266.0	22.5	0.0	0.0
Mean	35.2	21.8	27.9	24.5	29.9	24.0	24.0	24.0	24.0	24.0	24.0	16.0	8.6	0.9	0.0	0.0

Highest maximum at 2 metres 39.1 °C on 23rd — Highest minimum at 2 metres 23.5 °C on 19th.

Lowest maximum at 2 metres 32.5 °C on 9th. — Lowest minimum at 2 metres 19.9 °C on 20th.

Absolute minimum temperature at 5 cms. Above dry soil 16.9 °C on 1st

" " " " wet soil 17.0 °C on 1st

" " " " grass 14.4 °C on 1st

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

TAHRIR — JULY 1963

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	35.8	21.1	27.8	24.2	30.1	24.0	24.0	24.0	24.0	24.0	24.0	15.5	8.0	0.0	0.0	0.0
2	35.4	21.8	27.7	24.6	20.0	24.0	24.0	24.0	24.0	24.0	24.0	16.0	8.0	0.0	0.0	0.0
3	37.2	21.8	28.7	24.6	31.3	24.0	24.0	24.0	24.0	24.0	24.0	17.0	9.5	3.5	0.0	0.0
4	37.7	22.5	29.7	25.6	32.0	24.0	24.0	24.0	24.0	24.0	24.0	16.5	10.0	4.0	0.0	0.0
5	34.1	22.1	27.6	24.8	30.0	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.5	0.0	0.0	0.0
6	33.3	21.1	26.6	23.8	28.8	24.0	24.0	24.0	24.0	24.0	24.0	13.5	6.5	0.0	0.0	0.0
7	33.5	20.8	26.5	23.3	28.8	24.0	24.0	24.0	24.0	24.0	24.0	13.0	7.0	0.0	0.0	0.0
8	32.3	19.6	25.6	22.8	27.6	24.0	24.0	24.0	24.0	64.0	23.5	12.5	5.0	0.0	0.0	0.0
9	31.8	19.7	25.7	23.1	27.7	24.0	24.0	24.0	24.0	24.0	24.0	12.5	5.0	0.0	0.0	0.0
10	34.6	19.4	26.5	22.4	29.1	24.0	24.0	24.0	24.0	24.0	22.5	13.5	7.5	0.0	0.0	0.0
11	36.4	19.1	26.8	22.7	29.7	24.0	24.0	24.0	24.0	24.0	22.5	13.0	8.0	0.5	0.0	0.0
12	34.8	20.9	27.3	23.5	29.9	24.0	24.0	24.0	24.0	24.0	24.0	14.5	8.5	0.0	0.0	0.0
13	34.8	21.2	27.7	24.2	30.1	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.5	0.0	0.0	0.0
14	36.2	21.2	28.1	24.2	30.8	24.0	24.0	24.0	24.0	24.0	24.0	15.0	9.5	3.0	0.0	0.0
15	35.3	21.1	27.8	24.3	30.3	24.0	24.0	24.0	24.0	24.0	24.0	14.5	9.0	0.0	0.0	0.0
16	36.6	21.3	27.5	24.2	30.0	24.0	24.0	24.0	24.0	24.0	24.0	14.5	8.0	2.0	0.0	0.0
17	37.2	21.8	28.1	24.3	30.4	24.0	24.0	24.0	24.0	24.0	24.0	16.5	9.0	1.5	0.0	0.0
18	37.0	22.3	28.3	25.2	30.9	24.0	24.0	24.0	24.0	24.0	24.0	15.0	9.0	2.0	0.0	0.0
19	33.9	21.4	26.9	24.1	29.2	24.0	24.0	24.0	24.0	24.0	24.5	14.0	7.0	0.0	0.0	0.0
20	32.8	20.0	26.3	23.2	28.5	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.5	0.0	0.0	0.0
21	33.1	20.5	26.6	23.5	28.8	24.0	24.0	24.0	24.0	24.0	24.0	12.5	6.0	0.0	0.0	0.0
22	35.8	21.6	28.0	24.1	30.7	24.0	24.0	24.0	24.0	24.0	24.0	16.5	9.0	0.5	0.0	0.0
23	40.3	22.2	29.5	24.9	32.7	24.0	24.0	24.0	24.0	24.0	24.0	17.0	11.0	5.0	0.0	0.0
24	36.3	22.0	28.3	25.3	30.8	24.0	24.0	24.0	24.0	24.0	24.0	17.0	9.0	1.5	0.0	0.0
25	35.8	23.8	28.1	25.6	30.3	24.0	24.0	24.0	24.0	24.0	24.0	17.0	7.5	0.5	0.0	0.0
26	34.2	23.4	28.1	25.2	30.1	24.0	24.0	24.0	24.0	24.0	24.0	17.0	8.0	0.0	0.0	0.0
27	34.2	21.2	26.9	24.1	29.2	24.0	24.0	24.0	24.0	24.0	24.0	14.5	7.0	0.0	0.0	0.0
28	32.8	21.1	26.7	23.9	28.6	24.0	24.0	24.0	24.0	24.0	24.0	14.5	6.0	0.0	0.0	0.0
29	35.6	21.0	27.2	23.7	29.8	24.0	24.0	24.0	24.0	24.0	24.0	15.0	7.5	0.0	0.0	0.0
30	36.2	21.1	28.1	24.0	30.8	24.0	24.0	24.0	24.0	24.0	24.0	16.0	9.0	3.5	0.0	0.0
31	35.6	22.0	28.2	24.9	30.8	24.0	24.0	24.0	24.0	24.0	24.0	16.0	9.0	0.0	0.0	0.0
Total	—	—	—	—	—	744.0	744.0	744.0	744.0	741.0	740.5	464.0	247.0	27.5	0.0	0.0
Mean	35.2	21.3	27.5	24.1	29.9	24.0	24.0	24.0	24.0	24.0	23.9	15.0	8.0	0.9	0.0	0.0

Highest maximum at 2 metres 40.3°C on 23rd. **Highest minimum at 2 metres 23.8°C on 25th.**

Lowest maximum at 2 metres 31.8°C on 9th. **Lowest minimum at 2 metres 19.1°C on 11th.**

Absolute minimum temperature at 5 cms. above dry soil 18.1 °C on 11th.

" " " " " 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 1963

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	2.1	1.1	3.6	666	12.6	14.0	90	0	1	62	29	15.0	11.9	19.9	13.60	0.0
2	2.3	1.7	3.1	607	12.6	14.0	90	0	3	61	33	15.3	12.8	17.1	12.29	0.0
3	2.2	1.6	3.0	617	12.7	14.0	91	0	1	58	31	16.0	13.5	17.1	12.79	0.0
4	1.7	1.6	1.9	590	12.3	14.0	88	1	5	62	23	16.1	11.1	17.3	13.11	0.0
5	3.0	2.2	4.0	619	12.7	14.0	91	0	6	60	35	15.3	14.1	19.2	13.47	0.0
6	2.5	1.5	3.8	641	12.6	14.0	90	0	0	67	36	16.1	13.4	17.9	13.29	0.0
7	2.9	2.5	3.6	664	12.0	14.0	86	0	7	63	42	15.8	15.5	15.3	12.26	0.0
8	2.9	2.5	3.3	676	12.8	14.0	91	0	7	66	31	14.6	11.1	16.4	11.80	0.0
9	3.0	2.5	3.7	646	12.4	14.0	89	0	6	63	47	15.8	15.5	15.5	11.55	0.0
10	3.0	2.4	3.9	645	12.9	14.0	92	0	6	60	39	15.3	14.6	17.6	13.08	0.0
11	2.9	2.7	3.2	659	13.0	14.0	93	0	6	55	34	14.0	12.9	19.1	12.70	0.0
12	2.7	2.3	3.3	634	11.3	14.0	81	3	5	69	40	16.9	15.4	16.0	12.67	0.0
13	2.9	2.5	3.5	648	11.8	13.9	85	0	3	67	38	17.3	16.0	15.2	12.05	0.0
14	2.5	1.6	3.7	634	10.8	13.9	78	2	7	69	29	16.5	12.4	18.1	14.04	0.0
15	2.6	2.3	3.0	593	10.0	13.9	72	0	8	69	41	18.0	16.8	15.6	12.27	0.0
16	2.3	2.3	2.4	646	11.0	13.9	79	0	6	67	29	16.7	13.2	15.8	12.69	0.0
17	2.3	2.2	2.5	598	12.6	13.9	91	0	4	62	36	17.0	15.3	17.7	12.95	0.0
18	2.4	2.1	2.8	630	12.6	13.9	91	0	0	60	36	17.4	15.3	19.2	13.07	0.0
19	3.7	3.3	4.2	615	10.8	13.8	78	0	7	65	43	16.9	16.4	19.3	12.78	0.0
20	2.9	2.5	3.5	640	12.4	13.8	90	0	5	64	42	15.5	14.2	14.4	11.16	0.0
21	2.4	1.5	3.7	631	11.6	13.8	84	2	6	68	42	16.1	14.9	15.5	12.02	0.0
22	2.8	1.8	4.2	660	12.4	13.8	90	2	6	67	41	18.1	17.0	17.0	10.68	0.0
23	1.5	1.2	1.8	612	12.2	13.8	88	0	5	60	30	17.2	14.4	17.6	12.48	0.0
24	2.5	2.6	2.4	598	11.0	13.8	80	0	6	70	44	18.4	17.4	18.9	11.34	0.0
25	2.0	1.8	2.4	582	11.7	13.7	85	0	5	72	45	18.8	17.2	13.4	10.33	0.0
26	2.6	2.0	3.4	593	10.4	13.7	76	0	7	70	52	18.6	19.2	12.6	9.92	0.0
27	2.5	2.2	2.9	578	9.8	13.7	72	0	7	72	43	17.8	15.9	14.3	10.62	0.0
28	2.7	2.5	3.0	624	11.8	13.7	86	0	7	70	41	16.5	14.0	13.6	10.83	0.0
29	1.9	1.5	2.5	629	12.1	13.7	88	1	5	64	49	17.6	17.8	13.4	11.20	0.0
30	2.4	2.0	3.0	624	12.4	13.6	91	1	7	70	37	17.9	15.0	15.4	12.36	0.0
31	2.8	2.4	3.3	640	12.0	13.6	88	1	9	70	39	18.4	16.1	16.0	10.54	0.0
Total	—	—	—	19436	369.3	429.9	2664	13	163	—	—	—	—	506.4	375.86	0.0
Mean	2.5	2.1	3.2	627	11.9	13.9	86	0	5	65	38	16.7	14.8	16.3	12.12	—

Maximum amount of rainfall in one day	—	mms.	on	—
Lowest value of relative humidity	23	%	on	4th.
Highest value of vapour pressure	20.8	mms.	on	18th. & 31st
Lowest value of vapour pressure	10.4	mms.	on	8th.

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 — JULY 1963

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	3.5	2.3	4.8	740	11.8	14.1	84	3	6	63	28	15.0	11.8	21.3	15.66	0.0
2	3.6	3.0	4.5	728	12.9	14.1	91	3	5	66	37	16.8	15.2	17.5	13.76	0.0
3	3.1	2.2	4.3	740	13.1	14.1	93	0	5	66	35	18.0	15.8	18.0	13.64	0.0
4	3.6	3.5	3.7	754	12.9	14.1	91	4	9	65	29	17.4	13.8	19.2	14.63	0.0
5	4.6	3.9	5.5	758	13.2	14.1	94	0	6	60	41	16.1	15.9	21.2	16.20	0.0
6	3.9	3.0	5.2	736	12.9	14.0	92	1	7	70	44	17.0	15.8	16.4	12.78	0.0
7	3.7	3.0	4.5	750	13.1	14.0	94	0	9	74	39	16.9	14.7	16.6	12.63	0.0
8	3.6	3.0	4.3	753	12.3	14.0	88	1	6	70	45	16.5	15.7	13.9	10.29	0.0
9	3.8	3.0	4.9	728	12.3	14.0	88	2	9	68	43	16.0	14.9	14.8	11.82	0.0
10	3.4	2.6	4.3	739	12.3	14.0	88	4	9	67	32	15.4	12.5	18.0	13.43	0.0
11	3.0	2.9	3.2	753	13.2	14.0	94	3	9	66	31	15.2	12.5	16.0	12.21	0.0
12	3.9	3.1	5.0	770	13.0	14.0	93	6	10	73	37	18.0	15.3	17.8	14.61	0.0
13	3.8	3.1	4.8	756	13.2	14.0	94	4	9	70	41	17.8	16.0	18.0	13.50	0.0
14	4.2	3.4	5.4	744	12.9	14.0	92	5	10	70	37	18.1	15.8	18.8	13.93	0.0
15	3.7	3.5	4.1	726	11.4	14.0	81	6	9	76	38	18.6	15.7	15.5	12.46	0.0
16	3.6	3.2	3.9	736	12.7	13.9	91	5	8	73	32	17.2	14.1	14.6	12.16	0.0
17	2.7	2.3	3.2	680	11.4	13.9	82	0	7	67	30	16.3	13.4	15.8	12.26	0.0
18	2.8	2.2	3.7	718	12.8	13.9	92	0	6	68	28	16.5	12.4	15.0	11.09	0.0
19	3.6	2.5	4.8	699	11.0	13.9	79	5	8	68	46	17.5	17.2	15.0	11.62	0.0
20	3.4	2.3	4.7	719	12.6	13.9	91	3	8	74	37	16.6	13.4	15.8	12.39	0.0
21	3.6	2.5	5.1	738	12.8	13.8	93	3	8	66	37	15.8	13.6	18.1	14.07	0.0
22	4.2	3.4	5.4	745	12.7	13.8	92	4	7	70	39	18.2	16.2	20.2	15.58	0.0
23	3.6	3.0	4.3	720	12.3	13.8	89	0	0	58	39	16.4	16.2	20.5	15.10	0.0
24	3.7	3.4	4.3	735	12.3	13.8	89	2	7	76	34	17.6	14.5	18.0	12.76	0.0
25	3.6	2.7	4.5	693	12.2	13.8	88	0	9	74	40	18.8	16.9	16.3	12.83	0.0
26	3.6	2.8	4.7	690	11.2	13.8	81	0	7	71	50	19.0	18.8	14.2	10.84	0.0
27	3.2	2.6	4.0	659	12.3	13.7	90	5	9	72	46	18.3	17.7	14.2	10.96	0.0
28	3.4	3.0	3.8	686	12.4	13.7	91	0	7	65	43	16.2	14.9	14.4	11.28	0.0
29	2.6	1.9	3.6	693	11.6	13.7	85	1	8	68	38	17.3	15.1	13.8	10.00	0.0
30	3.4	2.6	4.3	691	11.5	13.7	84	4	10	76	39	19.1	16.7	14.6	12.03	0.0
31	3.6	3.2	4.2	701	12.6	13.7	92	5	9	72	42	18.9	17.4	15.0	11.74	0.0
Total	—	—	—	22478	384.9	431.3	—	79	236	—	—	—	—	518.5	397.63	0.0
Mean	3.5	2.9	4.4	725.1	12.4	13.9	89	2.5	7.6	69	38	17.2	15.2	16.7	12.83	0.0

Maximum amount of rainfall in one day	—	mms.	on	—
Lowest value of relative humidity	21	%	on	23rd
Highest value of vapour pressure	20.6	mms.	on	4th
Lowest value of vapour pressure	10.6	mms.	on	11th

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

GIZA — JULY 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	66.8	21.9	39.4	20.4	37.3	23.0
1	63.7	22.9	36.4	20.1	34.2	22.4
2	61.2	23.0	35.4	20.3	32.6	22.9
5	46.9	27.1	32.9	21.3	31.2	23.9
10	40.1	30.5	30.4	23.2	29.9	24.0
20	35.2	32.1	28.7	25.2	28.6	24.4
50	33.6	31.8	27.2	25.4	27.2	25.7
100	31.4	29.5	26.2	23.8	25.7	23.9
200	28.2	26.5	23.4	21.7	23.6	22.3
300	25.8	24.9	—	—	—	—

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

TAHRIR — JULY 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	57.4	20.1	—	—	—	—
1	55.6	20.9	—	—	—	—
2	53.5	20.8	—	—	—	—
5	49.7	23.5	—	—	—	—
10	43.4	26.7	—	—	—	—
20	37.1	30.2	—	—	—	—
50	33.0	31.2	—	—	—	—
100	31.1	29.5	—	—	—	—
200	28.6	26.9	—	—	—	—
300	27.0	25.4	—	—	—	—
600	24.7	23·9	—	—	—	—

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

GIZA — JULY 1963

10 Knots or more	30 Days	30 Knots or more	0 Days
15 ,, ,, ,,	9 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	0 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	0 ,,	The highest gust 26 knots on 6th	

Table C 4—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES RÉACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

TAHRIR — JULY 1963

10 Knots or more	31 Days	30 Knots or more	0 Days
15 ,, ,, ,,	13 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	0 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	0 ,,	The highert gust 28 knots on 14th	

PRINTED IN EGYPT BY
THE GENERAL ORGANIZATION
FOR GOVT. PRINTING OFFICES. CAIRO
First Under-Secretary of State
ALY SULTAN ALY
Chairman of the Board of Directors

878-1971-150

THE ARAB REPUBLIC OF EGYPT

MONTHLY WEATHER REPORT

VOLUME 6 NUMBER 8

AUGUST, 1963

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

THE EGYPTIAN METEOROLOGICAL AUTHORITY
CAIRO

CONTENTS

PAGES

General Summary of Weather Conditions 1-3

Surface Data

Table A 1.—Monthly Mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Level 4-5

" A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours 6-7

" A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity 8-9

" A 4.—Maximum and Minimum Air Temperatures 10-11

" A 5.—Rainfall and Snow Depth 12-13

" A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 14

" A 7.—Soil Temperatures at Fixed Hours 15-18

" A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena 19-20

" A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges 21-23

" A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 24-49

Upper Air Data

Table B 1.—Upper Air Climatological Data. 50-52

" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air 53-54

" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces 55-60

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir 61

Table C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields. 62-63

" C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall 64-65

" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields 66

" C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity 67

Note.—For explanatory notes on tables, please refer to Volume 6, Number 1 (January 1963).

GENERAL SUMMARY OF WEATHER CONDITIONS

AUGUST 1963

Generally mild ond humid in the northern parts, hot in the middle parts, excessively hot and markedly dry in the southern parts. A prevailing heat wave during the 3rd week - Early morning mist patches over Cairo area and Lower Egypt district.

THE MAIN FEATURES

— Small variability in temperature in general apart from the 3rd week when a pronounced peak occurred round the 19th.

— Subnormal oscillatory pressure field.

Four southward oscillations in the Black Sea upper trough and two eastward oscillations in the West Mediterranean upper trough.

— Abnormally high relative humidity in the northern parts during the 1st two decades.

— Several days of fresh/strong winds over the Western part of the Mediterranean district and scattered localities of the Upper Egypt and Red Sea districts.

— Misty days exceeded 15 days in the mean over Cairo Area district and exeeded 7 days in the mean over Lower Egypt district.

GENERAL DESCRIPTION OF WEATHER

During this month the prevailing weather was generally mild in the northern parts, rather hot in the middle parts and extremely hot in the southern parts. A rather prolonged heat wave prevailed during the 3rd week with a peak round the 19th. It was markedly excessive in the middle and southern parts.

Minor heat waves of short durations prevailed also in the 1st, 2nd and 4th weeks.

Relative humidity was about normal in the northern parts, while it was markedly below normal in the extreme south.

Early morning mist and low stratus developed for several days over most parts of Lower Egypt and Cairo area districts.

Surface wind was fresh/strong for many days particularly in the 1st, 2*nd* and 4th weeks over the western part of the Mediterranean district and scattered localities of the Upper Egypt and Red Sea districts which were subject as a consequence to light sand.

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					
	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean . . .	1008.0	—1.5	31.1	+0.5	22.6	+0.6	26.8	+0.6	72	— 1	0.0	—0.1
Lower Egypt . . .	1007.2	—1.4	34.4	+0.1	20.9	+0.6	27.6	+0.4	67	— 2	0.0	—0.3
Cairo Area	1007.2	—1.3	35.4	+0.6	22.1	+0.8	28.8	+0.7	55	— 3	0.0	0.0
Upper Egypt . . .	1006.0	—0.9	38.6	+0.2	22.6	+0.3	30.6	+0.2	37	— 5	0.0	0.0
Western Desert . .	1007.0	—1.9	38.7	+0.5	21.9	—0.2	30.3	+0.2	28	— 8	0.0	0.0
Red Sea	1004.1	—1.1	35.2	+0.9	26.3	+0.8	30.8	+0.8	47	— 9	0.0	0.0

Note : The above monthly district means for atmospheric pressure and relative humidity are computed from the corresponding means for all stations that take daily 24 hourly observations in each district .

PRESSURE DISTRIBUTION

The most characteristic surface pressure systems this month can be summarized into :

– A high pressure over Western Europe extending SE wards over North Africa.

- The monsoon low pressure systems over central Africa and Arabian Gulf.

On the other hand the characteristic synoptic features of the upper air charts up to 300 mbs are confined to two upper low pressure systems over North Atlantic and North Russia with their corresponding troughs over West Mediterranean and Black Sea vicinities respectively.

The barometric pressure over East Mediterranean in general and Egypt in particular oscillated below its normal (3-5 mbs) attaining six minima ; four of which were round the 3rd, 8th, 13th and 27th as a result of the westward oscillations of the monsoon low pressure system over the Arabian Gulf, while the rest two minima were round the 19th and 22nd as a result of the SE ward oscillation of the Spain upper trough of low pressure which was associated by two surface depressions travelling from north Italy to the Black Sea.

The Subtropical jet stream was evident in the upper tropospheric charts round 130 mb level oscillating between 20° & 35°N in the mean.

The highest wind speeds recorded at Matruh, Helwan and Aswan were 87, 68 and 88 Knots on the 4th, 5th and 2nd respectively.

SURFACE WIND

The prevailing winds this month were light to moderate N/NW. Fresh winds blew infrequently for short periods in the 1st, 2nd and 4th weeks in scattered localities of the western parts of the Mediterranean district and the southern parts of both Upper Egypt and Red Sea districts. Calms were frequent generally over some localities from Lower Egypt, Cairo, Western Desert and Upper Egypt districts during night and early morning.

No gales were reported during this month.

TEMPERATURE

Maximum temperature oscillated slightly above normal in the Mediterranean district and slightly round the normal otherwise.

During the 3rd week an excessive heat wave prevailed. It reached its peak round the 19th.

The absolute maximum temperature for the the Republic was 45.6°C reported at Kharga on the 18th.

Minimum temperature oscillated most of the month slightly round its normal and its values ranged between 30.0°C & 17.0°C.

The absolute minimum temperature for the Republic was 17.0°C reported at Farafra on the 29th.

MISCELLANOUS WEATHER PHENOMENA

Mist patches developed at : Alexandria on the 19th, Port Said on the 11th, 28th & 29th ; El-Arish on the 6th, 11th, 21st & 28th; Tahrir on the 2nd, 4th, 5th, 6th, 7th, 10th 14th 19th 20th 21st 23rd 24th, 27th, 28th & 30th; Shebin El-Kom on the 17th: Zagazig on the 10th, 11th 15th, 16th, 17th, 20th 21st, 24th, 28th & 29th; Abu Sueir on the 2nd, 3rd, 5th, 6th, 7th 9th, 10th, 11th, 12th, 14th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 29th & 30 th; Banha, on the 16th, 17th & 24th; Zaher on the 1st, 3rd, 6th, 8th, 10th, 11th, 12th, 13th, 15th & 24th; Inshas on the 1st, 5th, 6th, 7th, 9th, 10th, 11th, 13th, 18th, (21st - 24th), 26th., 27th & 28th. Kabrit on the 10th, 14th, 22nd, 24th & 28th ; Cairo "A" on the (1st-5th), (7th - 11th), 13th, 17th & (22nd - 30th) ; Mostafa Helmi on the (1st - 5th), (7th - 16th), (20th - 23rd) & (25th - 31st);

Almaza on the (1st - 11th), 13th, 14th, 16th 17th & (21st - 31st) Abbasiya on the 2nd, 10th, 17th, 20th, 26th, & 27th; Imbaba on the 5th, 14th, 15th, 16th, 20th, 21st, 24th, 26th, 27th, 29th, 30th & 31st; Giza on the 15th, 16th & 17th; and Siwa on the 8th & 22nd.

Fog patches developed at: Mersa Matruh on the 19th, Alexandria on the 16th, 17th & 18th; El-Arish on the 17th; Ghazza on the 3rd; Mansoura on the 17th; Tahrir on the 11th, 16th, 17th & 18th; Abu-Sueir on the 15th, 17th & 28th; Zaher on the 16th, 17th & 20th; Inshas on the 11th, 15th, 16th 17th & 20th; Cairo "A" on the 6th, 14th, 15th, 16th, 20th & 21st; Mostafa Helmi on the 6th, 17th & 24th; at Almaza and Abbasiya on 15th & 20th. and at Imbaba on the 20th.

Local rising sand or dust was reported at: Mersa Matruch on the 11th & 13th, Ras El-Hikma on the 23rd; Rosetta on the 1st, Dabaa on the 12th, 13th & 14th; El-Arish on the 5th, & 22nd; Abu Sueir, Wadi El-Natrun & Mostafa Helmi on the 1st; Kharga on the 11th & 12th; Tor on the 7th; and at Quseir on the 6th, 12th, 13th & 19th.

Cairo, March 1972

Chairman (M. F. TAHA)

Board of Directors

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

AUGUST 1963

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	1008.3	—	1008.7	— 1.2	1008.6	— 1.0	1008.7	— 1.2	5.2	1008.8	—	1009.2	— 1.2	1009.1	— 1.0	1009.2	— 1.2
	Sidi Barrani	22.8	1005.8	— 1.1	1006.4	— 1.7	1006.0	— 1.5	1006.0	— 1.3	24.0	1008.4	— 1.1	1009.0	— 1.7	1008.6	— 1.5	1008.6	— 1.3
	Mersa Matruh (A)	30.0	1005.1	— 1.0	1005.3	— 1.0	1005.3	— 1.0	1005.4	— 0.9	30.0	1008.8	— 1.0	1009.0	— 1.0	1009.0	— 1.0	1009.1	— 0.9
	Ras El Hikma	45.8	1002.8	—	1003.4	—	1003.1	—	1003.0	—	45.8	1008.1	—	1008.7	—	1008.3	—	1008.3	—
	Dabaa	18.0	1004.8	—	1005.2	—	1005.1	—	1005.1	—	17.8	1006.8	—	1007.2	—	1007.1	—	1007.1	—
	Dekheila (A)	6.0	1007.0	—	1007.4	—	1007.4	—	1007.4	—	5.9	1007.7	—	1008.1	—	1008.1	—	1008.1	—
	Ras El Teen	8.4	1006.6	—	1007.1	—	1007.0	—	1007.0	—	8.4	1007.6	—	1008.1	—	1008.0	—	1008.0	—
	Alexandria (A)	7.0	1006.5	— 1.1	1007.1	— 1.1	1007.0	— 1.1	1007.0	— 1.1	6.8	1007.3	— 1.1	1007.9	— 1.1	1007.8	— 1.1	1007.8	— 1.1
	Rosetta	3.4	1006.5	—	1007.0	—	1006.7	—	1007.8	—	3.4	1006.9	—	1007.4	—	1007.1	—	1007.2	—
	Balteam	2.0	1006.9	—	1007.5	—	1007.3	—	1007.4	—	2.0	1007.1	—	1007.7	—	1007.5	—	1007.6	—
	Damietta	5.0	1006.8	—	1007.5	— 0.9	1007.0	— 0.9	1007.3	— 0.7	5.0	1007.2	—	1007.9	— 0.9	1007.4	— 0.9	1007.7	— 0.7
	Port Said (A)	7.4	1005.7	— 1.3	1006.5	— 1.2	1006.0	— 1.2	1006.3	— 1.0	6.1	1006.4	— 1.3	1007.2	— 1.2	1006.7	— 1.2	1007.0	— 1.0
	El Arish	17.1	1005.1	— 0.7	1005.8	— 1.7	1005.1	— 1.7	1005.5	— 1.6	17.1	1007.0	— 0.7	1007.7	— 1.7	1007.0	— 1.7	1007.4	— 1.6
	Ghazza	15.7	1004.9	—	1005.6	—	1004.9	—	1005.2	—	15.7	1006.7	—	1007.4	—	1006.7	—	1007.0	—
Lower Egypt	Mansoura	4.0	1006.9	—	1007.6	— 1.0	1006.8	— 0.7	1007.0	— 1.2	3.6	1007.3	—	1008.0	— 1.0	1007.2	— 0.7	1007.4	— 1.2
	Damanhour	6.7	1007.1	—	1007.6	— 1.2	1007.1	— 1.1	1007.6	— 1.0	6.7	1007.6	—	1008.1	— 1.2	1007.6	— 1.1	1008.1	— 1.0
	Tanta	14.8	1005.0	—	1005.7	— 2.6	1004.9	— 2.4	1005.4	— 2.4	15.4	1006.2	—	1006.9	— 2.6	1006.1	— 2.4	1006.6	— 2.4
	Tahrir	16.0	1005.1	—	1005.8	—	1004.5	—	1005.4	—	18.6	1007.3	—	1007.9	—	1006.6	—	1007.4	—
	Shebin El Kom	13.1	1005.5	—	1006.3	— 1.6	1005.3	— 1.5	1005.4	— 2.0	13.8	1007.0	—	1007.8	— 1.6	1006.8	— 1.5	1006.9	— 2.0
	Zagazig	13.0	1005.9	—	1006.9	— 1.1	1005.8	— 1.2	1006.2	— 1.4	13.0	1007.1	—	1008.1	— 1.1	1007.0	— 1.2	1007.4	— 1.4
	Abu Sueir (A)	16.0	1005.5	—	1006.2	—	1004.6	—	1005.2	—	16.0	1007.3	—	1008.0	—	1006.3	—	1007.4	—
	Banha	14.9	1005.4	—	1005.9	—	1005.0	—	1005.6	—	14.9	1007.2	—	1007.6	—	1006.7	—	1007.3	—
	Zaher (A)	23.5	1002.8	—	1003.5	—	1002.4	—	1002.5	—	23.3	1006.4	—	1007.0	—	1005.8	—	1006.0	—
	Wadi El Natrun	0.9	1007.9	—	1008.6	— 0.7	1007.0	—0.1	1007.9	— 0.4	0.9	1008.0	—	1008.7	— 0.7	1007.1	— 0.1	1008.0	— 0.4
	Inshas (A)	25.5	1002.9	—	1003.7	—	1002.5	—	1002.9	—	25.6	1005.9	—	1006.7	—	1005.4	—	1005.8	—
	Fayed (A)	35.0	1005.2	—	1005.9	—	1004.2	—	1005.1	—	35.0	1007.7	—	1008.3	—	1006.6	—	1007.5	—
	Kabrit (A)	4.9	1005.8	—	1006.7	—	1004.9	—	1005.3	—	4.8	1007.2	—	1008.0	—	1006.2	—	1006.6	—
Cairo Area	Cairo (A)	74.5	999.7	— 1.7	1000.6	— 1.5	999.2	— 1.5	999.7	— 1.5	74.5	1007.2	— 1.7	1008.0	— 1.5	1006.5	— 1.5	1007.1	— 1.5
	Mostafa Helmi (A)	164.0	988.4	—	989.3	—	988.4	—	988.4	—	164.0	1007.1	—	1008.0	—	1006.6	—	1006.9	—
	Almaza (A)	78.5	998.0	— 1.6	998.7	— 1.5	997.5	— 1.5	997.8	— 1.6	78.6	1007.0	— 1.6	1007.7	— 1.5	1006.3	— 1.5	1006.7	— 1.6
	Abbasiya (H.Q.)	26.4	1004.4	—	1005.2	—	1003.8	—	1004.3	—	26.4	1008.0	—	1008.8	—	1007.3	—	1007.8	—
	Imbaba (A)	19.0	1004.9	—	1005.8	—	1004.5	—	1004.6	—	19.0	1007.0	—	1007.9	—	1006.6	—	1006.7	—
	Giza	22.5	1004.8	—	1005.5	— 1.1	1004.1	— 1.3	1004.5	— 1.3	22.5	1007.5	—	1008.1	— 1.2	1006.7	— 1.4	1007.1	— 1.4
	Helwan	140.7	991.0	—	991.8	— 1.2	990.9	— 0.4	990.9	— 1.1	140.7	1007.4	—	1008.1	— 1.3	1006.3	— 0.8	1006.9	— 1.1

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

AUGUST 1963

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	23.3	1004.3	—	1005.3	— 0.6	1003.6	—0.7	1003.9	—0.4	23.3	1007.2	—	1008.2	—0.6	1006.4	—0.7	1006.8	—0.3
	Beni Suef	30.1	1003 3	—	1004.3	— 1.1	1002.8	—1.1	1002.8	—0.8	30.1	1006.7	—	1007.7	—1 1	1006.1	—1.1	1006.1	—0.8
	Minya (A)	40.0	1001.6	—1.3	1002.7	— 1.2	1001.7	—1.1	1001.2	—1.1	40.3	1006.3	—1.3	1007.4	—1.2	1006.1	—1.1	1005.7	—1.2
	Asyout (Mangabad) (A)	69.6	998.1	—0.8	999 7	— 1.0	998.3	—0.6	997.9	—0.8	69 5	1006.1	—0.8	1007.8	—1.0	1006.0	—0.7	1005.8	—0.8
	Nag Hammadi	70.5	997.0	—	998.7	— 1.1	997.1	—0.9	997.1	—0.9	70.5	1005.6	—	1006.8	—0.9	1004.9	—0.8	1005.1	—0.8
	Kena	74.2	997.1	—	998.3	— 0.5	996.9	—0.1	996.3	—0.8	74.2	1004.0	—	1006.7	—0.5	1005.0	—0.1	1004.5	—0.8
	Luxor (A)	88.5	994 3	—1.4	995.7	— 1.5	994.1	—1.3	994.0	—1.4	88.5	1004.3	—1.4	1005.6	—1.5	1003 7	—1.4	1003.9	—1.4
	Kom Ombo	102.6	992.6	—	994.0	—	992.2	—	992.4	—	102.6	1004.3	—	1005.5	—	1003.3	—	1003.8	—
	Aswan (A)	200.0	982.4	—	983.7	— 1.3	982.0	—0.3	982.2	—0.9	200.0	1005.0	—	1006.0	—1.2	1003.6	—0.3	1004.2	—0.9
Western Desert	Siwa	—13.5	1010.3	—0.8	1011.6	—1.0	1010.1	—0.9	1009.1	—1.1	—13.3	1008.6	—0.9	1010.0	—1.0	1008.5	—0.9	1007.5	—1.1
	Bahariya	129.5	992.5	—	993.6	—1.7	992.1	—2.4	991.8	—2.6	129.5	1007.4	—	1008.5	—1.8	1006.3	—2.5	1006.3	—2 8
	Farafra	91.8	997.6	—	999.0	—0.9	997.6	—1.1	997.7	—1.0	92.1	1008.2	—	1009.6	—0.9	1008.7	—1.3	1008.1	—1.1
	Dakhla	111.5	992.1	—	993.7	—1.8	992.1	—1.7	991.6	—2.6	111.5	1004.8	—	1006.3	—1.9	1004.2	—1.7	1004.0	—2.6
	Kharga	72.8	997.9	—	999.5	—0.9	997.6	—1.8	997.6	—1.8	73.0	1006.1	—	1007.5	—0.9	1005.3	—1.8	1005.6	—1.6
Red Sea	Suez	11.1	1006.0	—	1006.6	—0.9	1005.1	—1.5	1005.5	—0.9	12.2	1007.2	—	1007.8	—0.9	1006.2	—1.6	1006.7	—0.9
	Abu Redes	4.3	1003.1	—	1004.6	—1.4	1003.6	—1.5	1003.2	—1.4	4.3	1003.5	—	1005.0	—1.4	1004.0	—1.5	1003.6	—1.4
	Tor	2.8	1003.5	0.0	1005.2	—0.5	1003.3	—1.0	1003.5	—0.5	2.8	1003.7	—0.0	1005.4	—0.5	1003.5	—1.0	1003.7	—0.5
	Hurghada	11.3	1002.7	—	1004.0	—1.1	1003.1	—1.6	1003.2	—1.2	11.5	1003.7	—	1005 0	—0.9	1004.1	—1.6	1004.2	—1.2
	Quseir	5.0	1003.4	—	1004.5	—	1003.9	—	1003.6	—	5.0	1004.0	—	1005.0	—	1004.4	—	1004.2	—
	Abul Kizan	4.0	1003.7	—	1004.9	—	1003.7	—	1003.6	—	4.0	1004.1	—	1005.3	—	1004.1	—	1004.0	—

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

AUGUST 1963

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	23.8	—	25.7	—1.1	30.6	+0.8	26.9	+0.3	22.3	—	22.9	+0.7	23.6	+0.2	23.1	+0.7	87	—	78	+12	53	— 3	71	+ 3
	Sidi Barrni	24.4	+0.6	26.3	+0.3	29.0	+0.6	26.2	+0.5	22.1	+ 0.5	23.0	+0.2	24.1	+0.2	23.0	+0.1	81	— 1	74	— 1	65	— 2	75	— 3
	Meres Matruh (A)	23.3	+0.5	26.2	0.0	29.2	+0.7	26.2	+0.5	20.9	+ 0.2	22.8	+0.3	23.5	0.0	22.6	0.0	80	— 2	73	+ 1	60	— 4	72	— 4
	Ras El Hikma	25.0	—	26.4	—	28.3	—	26.0	—	22.2	—	23.0	—	23.7	—	22.9	—	77	—	73	—	66	—	76	—
	Dabaa	22.9	—	25.8	—0.6	29.3	+1.0	25.8	+0.8	20.4	—	22.1	—0.3	23.1	+0.4	22.2	+0.1	78	—	71	— 2	57	— 4	72	— 3
	Dekheila (A)	24.3	—	26.5	—	29.7	—	26.0	—	21.7	—	22.5	—	23.7	—	22.7	—	79	—	66	—	59	—	74	—
	Ras El Ten	25.7	—	26.9	—	28.1	—	25.5	—	23.3	—	23.7	—	24.2	—	23.7	—	81	—	76	—	71	—	78	—
	Alexandria (A)	24.5	+0.7	28.3	+1.2	31.0	+1.5	25.1	+0.5	22.5	+ 0.6	24.0	+0.7	24.6	+0.5	23.2	+0.4	83	— 1	69	— 2	56	— 6	77	— 1
	Rosetta	24.1	—	27.1	—	30.5	—	25.8	—	22.0	—	23.4	—	23.9	—	22.9	—	83	—	72	—	55	—	77	—
	Balteam	26.6	—	28.4	—	31.2	—	28.0	—	23.0	—	23.9	—	24.5	—	23.6	—	72	—	67	—	55	—	67	—
	Damietta	23.6	—	25.4	—1.0	32.7	+3.1	25.8	—0.3	22.5	—	24.0	0.0	25.5	+1.1	23.5	—0.2	90	—	81	— 7	54	— 9	82	+ 1
	Port Said (A)	25.2	+ 0.3	27.2	0.0	30.7	+1.1	27.5	+0.4	23.7	+0.7	24.3	+0.7	25.6	+1.1	24.4	+0.4	80	+ 3	77	+ 1	65	+ 1	77	+ 1
	El Arish	24.2	+ 0.3	28.0	—0.5	31.4	+2.0	27.4	+0.6	22.8	+0.7	24.4	+0.3	25.9	+0.9	24.5	+0.7	88	+ 3	72	+ 4	63	— 5	78	+ 1
	Ghazza	24.8	—	27.8	—	29.2	—	27.6	—	23.2	—	24.4	—	25.6	—	25.1	—	87	—	74	—	74	—	80	—
Lower Egypt	El Sirw	23.0	—	26.8	+0.7	32.4	+1.2	26.0	0.0	—	—	24.3	+0.3	24.8	—0.7	23.9	+0.1	—	—	80	+ 4	51	—10	83	+ 1
	Sakha	21.4	—	25.9	—0.7	33.4	+ .1	25.6	+0.1	—	—	24.2	+0.6	25.3	+0.1	23.0	+0.2	—	—	86	+ 9	50	0	79	0
	Mansoura	21.2	—	26.0	—0.2	33.0	— 0	25.3	—1.1	20.6	—	23.8	+0.8	24.6	+1.0	22.7	+0.2	9[illegible]	—	82	+ 7	48	+ 9	79	+ 9
	Damanhour	22.4	—	25.0	—2.0	32.0	+0.2	25.1	—0.3	21.5	—	23.1	—0.5	24.4	+0.4	22.5	—0.1	92	—	84	+10	51	+ 1	79	+ 1
	Tanta	22.4	—	25.8	—0.2	35.0	+1.3	26.9	+1.0	21.3	—	23.5	+0.3	25.1	+1.0	23.2	+1.1	90	—	82	+ 4	42	0	72	[illegible]
	Tahrir	22.9	—	26.0	—	34.7	—	27.4	—	21.7	—	23.0	—	22.8	—	22.8	—	98	—	78	—	36	—	68	—
	Shebin El Kom	21.5	—	24.5	—0.4	33.6	—0.3	26.1	—1.0	20.7	—	22.6	+0.1	25.0	+2.6	22.7	+0.6	93	—	84	+11	47	+ 9	73	+10
	Zagazig	21.8	—	24.8	—1.9	33.2	—0.5	26.1	—0.8	20.2	—	22.5	—1.2	24.5	—0.3	22.6	—0.4	86	—	81	+ 4	46	0	73	+ 3
	Abu Sueir (A)	24.3	—	26.5	—	35.7	—	29.5	—	22.0	—	22.8	—	22.7	—	23.0	—	81	—	72	—	29	—	55	—
	Banha	22.6	—	24.5	—	34.0	—	27.2	—	21.2	—	22.4	—	24.4	—	22.8	—	88	—	83	—	42	—	67	—
	Zaher (A)	23.3	—	25.0	—	33.2	—	28.3	—	21.2	—	21.9	—	23.2	—	22.6	—	82	—	75	—	40	—	59	—
	Wadi El Natrun	24.3	—	25.6	—0.4	35.9	+0.7	28.9	+0.3	20.3	—	22.0	—0.3	21.8	—1.0	21.6	—0.5	74	—	71	— 1	25	— 6	50	— 5
	Inshas (A)	22.9	—	24.8	—	33.6	—	28.0	—	21.3	—	22.0	—	23.4	—	22.8	—	87	—	77	—	39	—	62	—
	Fayed (A)	24.8	—	26.9	—	36.5	—	30.3	—	21.9	—	22.6	—	22.5	—	22.9	—	77	—	68	—	25	—	51	—
	Kabrit (A)	25.4	—	26.1	—	34.8	—	30.3	—	23.0	—	22.9	—	33.6	—	23.6	—	80	—	75	—	36	—	54	—

Table A2 (*contd*).—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES AND THE RELATIVE HUMIDITY AT FIXED HOURS

AUGUST 1963

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
Cairo Area	Cairo . . . . . (A)	24.2	+0.5	24.8	—0.2	34.0	+0.6	29.7	+0.4	21.5	+0.5	22.0	+0.3	22.6	+1.2	22.7	+0.8	78	0	77	+ 3	34	0	52	+ 2
	Mostafa Helmi . . (A)	23.2	—	24.7	—	34.3	—	28.7	—	21.0	—	21.2	—	21.4	—	21.9	—	81	—	72	—	28	—	53	—
	Almaza . . . . . (A)	24.0	— 0.2	24.8	—0.4	34.2	+0.7	29.4	—0.2	21.0	—0.5	21.4	—0.5	22.7	+0.5	22.3	+0.1	75	— 3	73	— 1	33	— 1	51	+ 1
	Abbasiya. . . (H.Q.)	24.3	—	26.1	—	34.8	—	26.4	—	21.9	—	22.6	—	23.3	—	23.1	—	80	—	73	—	35	—	57	—
	Imbaba . . . . . (A)	22.7	—	25.6	—	31.3	—	28.0	—	20.7	—	22.5	—	23.6	—	22.8	—	83	—	75	—	38	—	62	—
	Giza	23.4	—	25.0	—0.4	31.0	—0.1	29.2	+0.9	21.5	—	22.1	—0.3	22.3	—0.7	22.4	+0.4	85	—	78	+ 2	36	0	56	0
	Helwan	24.2	—	25.2	+0.2	34.8	+1.0	30.1	+0.1	20.7	—	21.3	+0.2	20.9	0.0	21.7	+0.9	72	—	69	0	24	— 3	45	+ 5
Upper Egypt	Fayoum	24.5	—	26.5	+0.3	33.3	+1.7	30.8	+1.1	21.0	—	22.3	+1.2	21.7	—0.1	20.9	—0.4	72	—	68	+ 1	22	— 6	37	— 6
	Beni Suef	24.7	—	25.7	+1.6	36.3	—0.2	29.2	—0.2	20.8	—	22.0	—0.4	22.9	—0.1	21.2	—0.1	69	—	71	+ 7	28	0	46	0
	Minya . . . . . (A)	23.1	— 0.1	25.8	—0.1	35.5	—0.1	28.0	—0.3	19.4	+0.4	22.0	+0.4	22.7	+0.6	20.9	+0.3	69	+ 4	70	+ 3	29	+ 2	50	+ 3
	Maliawi	20.8	—	24.4	—	34.2	—	25.9	—	—	—	22.9	—	25.0	—	22.1	—	—	—	88	—	45	—	71	—
	Asyout (Mangabad) (A)	26.1	0.0	26.3	—0.5	36.3	+0.1	30.8	—0.1	17.6	—0.4	20.3	0.0	21.2	—0.6	20.3	+0.3	40	— 2	56	+ 3	20	— 3	34	+ 2
	Shandaweel	23.4	—	27.4	—1.1	36.3	—0.3	28.2	—0.4	—	—	21.8	—0.5	23.6	—0.8	21.6	—0.4	—	—	59	— 2	31	— 2	54	0
	Nag Hammadi . . .	25.1	—	26.6	—3.0	37.1	0.0	29.8	+0.4	—	—	21.1	—0.5	24.3	—1.3	22.1	+0.9	—	—	63	—13	32	+ 6	48	+ 3
	Kena	28.9	—	31.0	+0.6	39.3	—0.8	32.9	—0.3	—	—	21.4	+0.5	23.6	+0.7	21.2	+0.3	—	—	39	0	22	+ 3	31	+ 2
	Luxor . . . . . (A)	27.2	— 0.4	31.4	—0.9	39.8	—0.1	32.7	—0.6	17.6	—0.3	20.6	—0.1	21.7	—0.7	20.5	—0.1	34	+ 1	33	— 1	14	— 6	28	— 1
	Kom Ombo	26.0	—	31.5	—	41.5	—	32.8	—	16.7	—	19.8	—	21.9	—	19.4	—	35	—	29	—	13	—	24	—
	Aswan . . . . . (A)	28.5	—	31.7	+0.1	40.[illegible]	—0.1	35.2	—0.8	16.1	—	18.5	—1.9	20.2	—2.6	18.3	—2.8	21	—	22	—10	10	— 8	13	— 8
Western	Siwa	25.5	+ 0.1	25.0	—0.4	35.5	—0.7	32.4	—0.1	19.5	+0.5	21.0	+0.6	20.5	—1.0	19.5	—0.5	55	+ 4	68	+ 6	20	— 2	25	— 2
	Bahariya	25.2	—	26.2	+0.2	36.7	+1.5	32.1	+1.6	18.7	—	20.0	—1.1	21.4	—1.1	19.7	—1.1	51	—	54	— 9	21	— 9	27	—11
	Farafra	25.4	—	27.0	—0.3	37.2	+0.8	31.3	+0.4	16.2	—	18.2	—1.8	20.4	—2.0	18.2	—1.3	34	—	38	—10	16	— 9	22	— 9
	Dakhla	25.9	—	28.6	—0.4	38.2	+1.0	32.4	—0.2	15.6	—	17.5	—1.1	20.1	—0.5	18.4	—0.3	29	—	28	— 4	12	— 5	20	0
	Kharga	24.4	—	29.5	—0.2	40.3	+2.0	32.4	—0.8	15.8	—	19.2	—1.6	21.8	—1.8	19.4	—1.6	35	—	33	— 8	14	—11	24	— 5
Red Sea	Suez	24.8	—	27.3	+0.7	36.4	+1.8	31.4	+1.7	—	—	23.8	+1.0	23.5	+0.6	23.5	+0.1	—	—	73	+ 2	30	— 4	47	— 8
	Abu Redes	29.0	—	29.3	—	32.8	—	30.8	—	23.5	—	23.6	—	24.8	—	24.1	—	61	—	60	—	50	—	55	—
	Tor	27.8	—	28.6	0.0	32.5	+0.1	31.6	+1.5	23.2	—	24.2	—0.4	24.2	—1.2	23.2	—0.5	66	—	68	— 2	48	— 7	47	— 9
	Hurghada	27.5	— 0.5	30.6	+1.4	33.2	+1.7	30.3	—0.4	18.7	—2.0	22.0	—1.2	24.4	—1.0	22.4	—1.1	39	—10	41	—14	4	—13	48	— 4
	Quseir	30.4	—	33.2	+1.7	34.7	+2.4	30.8	+0.5	19.5	—	22.8	—0.4	25.6	—0.4	22.2	—1.7	32	—	38	— 9	46	—13	44	—12
	Abul Kizan	—	—	31.6	+0.1	31.7	—0.6	30.4	+0.2	—	—	26.9	—0.4	27.0	—0.9	27.0	—0.4	—	—	68	— 3	63	— 2	75	— 5

Table A3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

AUGUST 1963

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	1008.6	—1.1	1009.1	—1.1	31.5	+0.2	22.5	+1.5	27.0	a	26.9	+0.9	a	22.9	+1.1	a	60	+ 2
	Sidi Barrani	a	1006.0	—1.5	1008.6	—1.5	29.3	+0.1	23.1	+0.9	26.2	a	26.4	+0.8	a	22.9	+1.3	a	73	— 3
	Mersa Matruh (A)	a	1005.3	—2.1	1009.0	—2.1	30.4	+0.8	21.2	0.0	25.8	a	26.0	+0.4	a	22.2	0.0	a	71	— 2
	Ras El Hikma	a	1003.0	—	1008.3	—	28.9	—	24.3	—	26.6	a	26.4	—	a	22.9	—	a	73	—
	Dabaa	a	1005.1	—	1007.1	—	29.6	—0.4	21.5	+0.3	25.6	a	25.8	+0.5	a	21.8	—0.2	a	69	— 5
	Dekheila (A)	a	1007.3	—	1008.0	—	30.1	—	23.5	—	26.8	a	26.6	—	a	22.7	—	a	70	—
	Ras El Teen	a	1007.0	—	1008.9	—	28.4	—	25.3	—	26.8	a	26.8	—	a	23.7	—	a	76	—
	Alexandria (A)	a	1006.9	—1.7	1007.7	—1.7	30.8	+0.5	23.1	+0.4	27.0	a	27.4	+0.8	a	23.5	+0.6	a	70	— 2
	Rosetta	a	1006.7	—	1007.1	—	31.2	—	23.1	—	27.2	a	26.8	—	a	22.9	—	a	70	—
	Balteam	a	1007.2	—	1007.4	—	31.3	—	25.2	—	28.2	a	28.5	—	a	23.7	—	a	65	—
	Damietta	a	1007.1	—1.2	1007.5	—1.2	33.2	+0.7	22.1	+0.6	27.6	a	27.1	+0.9	a	23.7	+0.3	a	74	— 4
	Port Said (A)	a	1006.1	—1.5	1006.8	—1.5	31.6	+0.9	25.0	+0.0	28.3	a	27.8	+0.4	a	24.4	+0.5	a	74	+ 1
	El Arish	a	1005.4	—1.5	1007.3	—1.5	32.3	+1.4	22.6	+0.8	27.4	a	27.6	+1.0	a	24.3	+1.4	a	75	+ 3
	Ghazza	a	1005.1	—	1006.9	—	30.1	—0.6	23.0	+2.4	26.6	a	27.2	—	a	24.5	—	a	79	—
Lower Egypt	El Sirw	—	—	—	—	—	33.6	+1.8	21.6	+1.3	27.6	c	27.0	+0.8	c	24.7	+1.2	c	82	+ 3
	Sakha	—	—	—	—	—	34.0	+0.1	20.5	+1.2	27.2	c	26.6	+0.4	c	24.3	+0.9	c	82	+ 4
	Mansoura	a	1007.0	—1.1	1007.4	—1.1	33.9	—0.9	19.8	—1.0	26.8	a	26.3	—0.5	a	22.7	—0.4	a	72	0
	Damanhour	a	1007.3	—0.7	1007.8	—0.7	32.3	—0.5	21.3	+0.7	26.8	a	26.2	0.0	a	22.8	—0.3	a	73	— 3
	Tanta	a	1005.2	—2.7	1008.4	—2.7	35.7	+1.2	21.3	+2.1	28.5	a	27.6	+1.4	a	23.2	+0.2	a	67	— 8
	Tahrir	a	1005.1	—	1007.3	—	36.0	—	21.5	—	28.8	a	27.8	—	a	22.4	—	a	63	—
	Shebin El Kom	a	1005.6	—1.8	1007.1	—1.8	34.3	—0.8	20.6	+0.1	27.4	a	26.5	—0.3	a	22.7	+0.1	a	71	+ 3
	Zagazig	a	1006.1	—1.4	1007.3	—1.4	34.0	—0.7	20.8	+0.7	27.4	a	26.6	—0.2	a	22.3	—0.1	a	67	— 7
	A u Sueir (A)	a	1005.5	—	1007.2	—	36.9	—	22.3	—	29.6	a	28.9	—	a	22.5	—	a	56	
	Banha	a	1005.5	—	1007.2	—	34.8	+0.4	21.4	+0.6	28.1	a	27.1	—	a	22.6	—	a	66	—
	Zaher (A)	a	1002.8	—	1006.3	—	34.3	—	21.9	—	28.1	a	27.5	—	a	22.2	—	a	61	—
	Wadi El Natrun	a	1007.8	—0.4	1007.9	—0.4	36.9	+0.3	21.0	0.0	29.0	a	28.5	+0.8	a	21.2	—1.6	a	50	—14
	Inshas (A)	a	1003.0	—	1005.9	—	34.2	—	21.6	—	27.9	a	27.4	—	a	22.3	—	a	62	—
	Fayed (A)	a	1005.0	—	1007.4	—	37.3	—	23.2	—	30.2	a	29.7	—	a	22.4	—	a	51	—
	Kabrit (A)	a	1005.7	—	1007.0	—	36.2	—	23.6	—	29.9	a	29.2	—	a	23.3	—	a	59	—
Cairo Area	Cairo (A)	a	999.8	—1.3	1007.2	—1.3	35.3	+0.6	22.2	+0.7	28.8	a	28.2	+0.3	a	22.1	+0.4	a	57	+ 1
	Mostafa Helmi (A)	a	988.6	—	1007.1	—	35.0	—	21.8	—	28.4	a	27.7	—	a	21.3	—	a	54	—
	Almaza (A)	a	998.0	—1.7	1006.9	—1.8	35.0	+0.2	22.4	+0.4	28.7	a	28.1	—0.1	a	21.8	—0.2	a	55	— 1
	Abbasiya H.Q.)	a	1004.4	—	1007.9	—	35.9	—	22.9	—	29.4	a	28.7	—	a	22.7	—	a	58	—
	Imbaba (A)	a	1004.9	—	1007.0	—	35.5	—	21.2	—	28.4	a	27.7	—	a	22.4	—	a	61	—
	Giza	a	1004.7	—1.2	1007.4	—1.2	35.4	+0.7	21.8	+1.9	28.6	a	27.9	+1.0	a	22.0	—0.3	a	60	— 6
	Helwan	a	991.1	—0.9	1007.2	—1.0	36.1	+1.1	22.0	+0.4	29.0	a	28.6	+0.9	a	21.0	—0.4		48	— 7

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

Table A3 (*contd.*)—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

AUGUST 1963

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	1004.2	—0.6	1007.1	—0.6	37.3	+1.1	22.6	+1.2	30.0	a	29.5	+1.5	a	21.4	0.0	a	46	— 9
	Beni Suef	a	1003.2	—1.1	1006.6	—1.1	36.9	+0.1	21.1	+0.9	29.0	a	29.2	+0.9	a	21.8	0.0	a	50	— 5
	Minya (A)	a	1001.8	—1.4	1006.4	—1.3	36.2	+0.4	20.6	+0.1	28.9	a	28.2	—0.2	a	21.2	+0.2	a	51	+ 2
	Mallawi	—	—	—	—	—	34.6	—	19.2	—	26.9	c	26.3	—	c	23.8	—	c	80	—
	Asyout (Mangabad) (A)	a	998.5	—0.9	1006.4	0.9	37.4	+0.3	22.9	+0.5	30.2	a	30.2	+0.5	a	19.8	+0.2	a	34	— 1
	Shandaweel	—	—	—	—	—	38.1	+0.5	21.3	+0.2	29.7	c	28.8	—0.4	c	22.5	—0.3	e	56	0
	Nag Hammadi	c	997.5	—1.1	1005.6	—1.0	38.1	+0.1	21.3	+0.5	29.7	c	29.5	+0.4	c	23.1	+1.6	e	56	+ 8
	Kena	c	997.1	—0.5	1005.4	—0.6	40.7	—0.2	24.9	+0.5	32.8	c	33.0	+1.0	c	22.1	+1.1	e	35	+ 1
	Luxor (A)	a	994.6	—0.9	1004.4	—1.0	40.9	—0.2	23.5	+0.3	32.2	a	32.7	+0.2	a	19.9	0.0	a	26	— 4
	Kom Ombo	a	992.8	—	1004.2	—	42.3	—	22.4	—	32.4	a	32.7	—	a	19.1	—	a	22	—
	Aswan (A)	a	982.6	—0.6	1004.8	—0.6	41.5	—0.1	25.5	—1.1	33.0	a	33.8	—0.5	a	18.1	—2.8	a	14	—14
Western Desert	Siwa	a	1010.3	—2.2	1008.6	—2.3	37.5	0.0	21.7	+0.1	29.6	a	29.7	+0.8	a	20.1	+0.8	a	37	+ 1
	Bahariya	a	992.5	—2.6	1007.1	—2.7	37.8	+1.2	23.0	+1.4	30.4	a	30.1	+2.0	a	19.7	—1.2	a	34	—16
	Farafra	a	998.0	—0.8	1008.5	—0.8	37.9	—0.1	21.5	+0.5	29.7	a	30.3	+1.4	a	18.2	—0.2	a	25	— 6
	Dakhla	a	992.4	—2.1	1004.8	—2.2	39.1	—0.5	22.4	—1.1	30.8	a	31.2	+0.5	a	17.7	—1.7	a	20	—10
	Kharga	a	998.2	—1.5	1006.2	—1.5	41.1	+1.8	21.1	—2.1	31.1	a	31.6	+0.5	a	18.9	—1.5	a	24	—10
Red Sea	Suez	c	1005.8	—1.3	1007.0	—1.3	37.9	+1.6	22.7	—0.2	30.3	c	29.5	+0.9	c	23.8	+0.4	c	60	— 3
	Abu Redes	a	1003.9	—	1004.3	—	33.6	—	27.3	—	30.4	a	30.5	—	a	24.0	—	a	55	—
	Tor	a	1003.6	—1.6	1004.0	—1.6	34.8	+0.0	25.6	+0.9	30.2	a	30.0	+1.0	a	23.7	—0.2	a	57	— 6
	Hurghada	a	1003.9	—0.2	1004.1	—0.2	34.5	+1.6	25.5	+0.5	30.0	a	30.4	+0.6	a	21.7	—0.9	a	43	— 8
	Quseir	a	1003.3	—1.4	1004.3	—1.4	35.3	+1.4	28.9	+2.0	32.1	a	32.1	+1.9	a	22.5	—0.5	a	40	—12
	Abul Kizan	c	1003.8	—	1004.4	—	33.4	—0.2	29.0	+0.9	31.2	—	—	—	—	—	—	e	72	— 4

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 A 4.—MAXIMUM AND MINIMUM AIR TEMPERATURES

AUGUST 1963

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	35.8	16	28.[illegible]	30	31	24	1	0	0	24.5	11	20.6	31	0	0	0	0
	Sidi Barrani	31.8	19	28.2	27	31	3	0	0	0	25.3	30	19.1	28	0	0	0	0
	Mersa Matruh (A)	32.0	16	29.5	26	31	21	0	0	0	21.4	12	19.2	31	0	0	0	0
	Ras El Hikma	29.5	3,7	28.0	31	31	0	0	0	0	25.4	11,12	21.2	28	0	0	0	0
	Dabaa	31.[illegible]	16	28.1	26	31	0	0	0	0	27.0	1	18.6	29	0	0	0	0
	Dekheila (A)	3[illegible].5	18	29.1	7,8	31	11	0	0	0	25.0	11	19.1	17	0	0	0	0
	Ras El Tein	26.8	17	27.2	7,2[illegible]	31	0	0	0	0	26.2	10,20	24.4	8	0	0	0	0
	Alexandria (A)	35.0	18	30.3	31	31	31	0	0	0	25.2	11	18.8	17	0	0	0	0
	Rosetta	35.1	18	29.0	26	31	25	1	0	0	25.3	21	21.0	31	0	0	0	0
	Baltim	3[illegible]	17,18	30.[illegible]	7	31	31	0	0	0	26.9	23	22.9	17	0	0	0	0
	Damietta	37.5	18	30.6	2	31	31	5	0	0	24.0	7	20.5	31	0	0	0	0
	Port Said (A)	35.7	19	29.[illegible]	30	31	29	0	0	0	2[illegible].2	21	23.9	12	0	0	0	0
	El Arish	33.7	19	31.3	5	31	31	0	0	0	25.0	2	20.8	16	0	0	0	0
	Ghazza	31.2	17	29.3	6	31	19	0	0	0	25.9	12	20.4	16	0	0	0	0
Lower Egypt	El [illegible]	[illegible]	[illegible]	3[illegible]	30	31	31	4	0	0	23.8	3	19.5	28	0	0	0	0
	[illegible]	[illegible]	[illegible]	[illegible]	2[illegible]	31	31	7	0	0	22.4	4	18.2	18	0	0	0	0
	[illegible]	[illegible]	1	[illegible]	22	31	31	5	0	0	23.2	3	17.3	31	0	0	0	0
	[illegible]	[illegible]	19	[illegible]	7	31	3[illegible]	3	0	0	23.0	3	18.7	30	0	0	0	0
	[illegible]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	3[illegible].2	[illegible]	[illegible]	7,30	31	31	[illegible]	0	0	23.7	3	19.0	31	0	0	0	0
	Tolid	[illegible]	17	[illegible]	31	31	31	23	0	0	23.6	3	19.5	31	0	0	0	0
	Shebin El Kom	3[illegible]	18	[illegible]	12	31	31	8	0	0	22.8	1	18.6	18,31	0	0	0	0
	[illegible]	[illegible]	[illegible]	[illegible]	7	31	31	4	0	0	23.1	1	18.7	31	0	0	0	0
	[illegible] (A)	[illegible]	[illegible]	[illegible]	30	31	31	28	1	0	24.6	1	20.2	28	0	0	0	0
	[illegible]	[illegible]	[illegible]	[illegible]	7	31	31	1[illegible]	0	0	23.0	3	20.0	24	0	0	0	0
	Zaker (A)	37.4	19	[illegible]	3[illegible]	31	31	8	0	0	23.8	1	20.1	31	0	0	0	0
	[illegible]	33.2	[illegible]	31.0	29	31	31	25	2	0	23.9	6	18.4	31	0	0	0	0
	Inchas (A)	37.2	12	32.6	30	31	3[illegible]	7	0	0	23.6	1	19.3	18	0	0	0	0
	Fayed (A)	[illegible]	17,18	24.2	30	31	31	28	2	0	24.8	2	21.0	19	0	0	0	0
	Kabrit (A)	39.1	1[illegible],19	33.1	31	31	31	24	0	0	25.1	2	21.7	31	0	0	0	0
Cairo Area	Cairo (A)	39.8	19	33.0	30	31	31	16	0	0	24.1	19	20.0	20	0	0	0	0
	Mostafa Helmi (A)	37.[illegible]	19	31.4	31	31	31	15	0	0	24.0	18	20.3	2	0	0	0	0
	Almaza (A)	38.0	19	33.0	29	31	31	14	0	0	23.8	17	20.6	29	0	0	0	0
	Abbasiya (H. O)	39.4	19	33.[illegible]	31	31	31	23	0	0	24.3	1	21.5	18	0	0	0	0
	Imbaba (A)	38.7	19	33.3	31	31	31	16	0	0	23.2	3	19.0	31	0	0	0	0
	Giza	38.7	19	33.3	30	31	31	17	0	0	23.9	1	19.2	19	0	0	0	0
	Helwan	40.8	19	34.0	30	31	31	21	2	0	25.6	18	20.3	30	0	0	0	0

* More than 3 days.

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

AUGUST 1963

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	41.5	19	34.0	30	31	31	30	3	0	23.9	21	20.9	30	0	0	0	0
	Beni Suef	40.9	18	35.1	30	31	31	31	1	0	22.6	1	19.6	30	0	0	0	0
	Minya (A)	41.1	19	33.7	30	31	31	19	1	0	22.6	6	18.4	19	0	0	0	0
	Mallawi	37.7	17	32.0	12,31	31	31	12	0	0	21.4	4	17.5	25,29	0	0	0	0
	Asyout (Mangabad) (A)	42.0	19	34.5	12	31	31	28	3	0	25.3	19,22	20.8	11	0	0	0	0
	Shandaweel	41.2	19	35.0	13,30	31	31	29	5	0	23.1	27	19.5	9,10	0	0	0	0
	Nag Hammadi	41.7	18	34.3	12	31	31	29	4	0	24.0	18	19.6	29	0	0	0	0
	Kena	44.0	19	38.0	30	31	31	31	19	0	26.8	12	21.7	17	0	0	0	0
	Luxor (A)	43.8	19	38.2	30	31	31	31	21	0	25.2	27	21.8	31	0	0	0	0
	Kom Ombo	44.8	21,22	39.4	13	31	31	31	28	0	26.5	7	19.4	9	0	0	0	0
	Aswan (A)	44.0	*	39.7	13	31	31	31	28	0	27.5	19	23.5	13	0	0	0	0
Western Desert	Siwa	42.2	19	34.5	27	31	31	30	2	0	25.0	20	17.5	28	0	0	0	0
	Bahariya	42.7	18	35.3	9,30	31	31	31	3	0	25.0	20	19.1	28	0	0	0	0
	Farafra	42.4	18,19	34.9	13	31	31	30	3	0	24.1	21	17.0	29	0	0	0	0
	Dakhla	43.2	19	36.1	13	31	31	31	10	0	27.0	6	18.9	29	0	0	0	0
	Kharga	45.6	18	37.2	13	31	31	31	16	1	27.0	12	17.7	28	0	0	0	0
Red Sea	Suez	41.3	16	35.0	30	31	31	29	4	0	25.0	22	20.2	16	0	0	0	0
	Abu Redes	37.2	4	32.0	30	31	31	3	0	0	28.2	21	26.0	8	0	0	0	0
	Tor	38.4	11	31.3	13	31	31	13	0	0	27.4	19	21.0	30	0	0	0	0
	Hurghada	37.2	18	32.3	13	31	31	11	0	0	28.3	21	21.6	17	0	0	0	0
	Quseir	37.0	18·20	33.1	23	31	31	19	0	0	30.9	5	26.9	14,24	0	0	0	0
	Abul Kizan	34.5	*	32.0	25	31	31	0	0	0	30.5	20	27.6	2	0	0	0	0

* More than three days.

Table A 5.— RAINFALL AND SNOW DEPTH

AUGUST 1963

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	— 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	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Dekheila (A)	0.0	— 0.2	0.0	—	0	0	0	0	0	0	0	0.0	—
	Ras El-Teen	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	—
	Balteam	0.0	— 0.3	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	—
	Port Said (A)	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	— 0.1	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	—
	Mex	0.0	0.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tolomhat 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	— 0.9	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	—
	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	—
	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	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Banha (A)	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	—
	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	— 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 1963

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	—
	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	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	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	—
	Abu Redes	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 — 1963

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	—	—	—	0.3	—	0.8	—	0.2	—	0.2	—	6.9	—	—	22.1
	Sidi Barrani	—	—	—	—	—	1.8	—	0.5	—	1.1	—	6.2	—	—	—
	Mersa Matruh (A)	373.8	412.0	90.1	0.5	—	1.7	—	0.6	—	1.3	—	11.1	—	—	—
	Ras El Hikma	—	—	—	—	—	1.5	—	0.2	—	0.9	—	7.1	—	—	23.3
	Dabaa	—	—	—	—	—	1.6	—	0.5	—	1.0	—	7.6	—	—	—
	Dekheila (A)	—	—	—	2.0	—	2.1	—	0.5	—	1.3	—	4.8	—	—	—
	Ras El Teen	—	—	—	2.4	—	2.8	—	0.9	—	1.7	—	4.2	—	—	—
	Alexandria (A)	365.5	411.1	88.9	2.6	—	2.8	—	1.0	—	1.6	—	4.8	—	—	—
	Rosetta	—	—	—	—	—	1.8	—	0.8	—	0.5	—	6.0	—	—	—
	Balteam	—	—	—	—	—	1.8	—	1.0	—	1.2	—	4.6	—	—	—
	Damietta	—	—	—	—	—	1.8	—	0.0	—	0.3	—	4.5	—	—	—
	Port Said (A)	348.9	411.1	84.9	0.8	—	2.5	—	0.1	—	0.3	—	5.8	53	36	24.0
	E. Arish	366.4	409.2	89.5	2.3	—	2.7	—	0.3	—	1.9	—	4.7	—	—	21.2
	Ghazza	358.1	412.0	86.9	4.4	—	3.0	—	0.7	—	1.9	—	3.9	—	—	21.9
Lower Egypt	El Sirw	—	—	—	—	—	0.7	—	2.0	—	0.7	—	4.8	—	—	—
	Sakha	—	—	—	—	—	1.8	—	1.9	—	1.6	—	4.7	—	—	20.1
	Mansoura	—	—	—	—	—	2.8	—	0.5	—	0.0	—	5.5	—	—	—
	Damanhour	—	—	—	—	—	1.2	—	0.7	—	0.2	—	4.8	—	—	20.4
	Tanta	352.0	410.6	85.7	—	—	2.8	—	0.4	—	0.0	—	5.6	69	47	—
	Tahrir	358.8	410.8	87.2	1.2	—	2.5	—	0.4	—	0.0	—	10.0	—	—	20.3
	Shebin El Kom	—	—	—	—	—	2.8	—	0.1	—	0.0	—	3.7	—	—	—
	Zagazig	—	—	—	—	—	4.0	—	0.3	—	0.0	—	6.0	—	—	—
	Abu Sueir (A)	—	—	—	1.7	—	3.4	—	0.3	—	0.2	—	10.4	—	—	20.8
	Banha	—	—	—	—	—	3.5	—	0.1	—	0.0	—	5.8	—	—	—
	Zaher (A)	—	—	—	—	—	4.1	—	0.3	—	0.0	—	8.8	—	—	—
	Wadi El Natrun	—	—	—	—	—	2.2	—	0.1	—	0.1	—	15.7	—	—	—
	Inshas (A)	—	—	—	0.4	—	3.9	—	0.2	—	0.0	—	8.8	—	—	—
	Fayed (A)	—	—	—	—	—	1.8	—	0.1	—	0.0	—	14.7	—	—	—
	Kabrit (A)	—	—	—	—	—	2.8	—	0.1	—	0.0	—	13.3	—	—	—
Cairo Area	Cairo (A)	—	—	—	2.4	—	4.5	—	0.1	—	0.0	—	13.7	—	—	—
	Mostafa Helmi (A)	—	—	—	2.1	—	3.9	—	0.2	—	0.0	—	12.9	—	—	—
	Almaza (A)	337.7	409.6	82.4	1.8	—	4.2	—	0.1	—	0.0	—	10.0	—	—	—
	Abbasiya (H.Q.)	340.4	409.6	83.1	1.4	—	4.3	—	0.1	—	0.0	—	7.5	72	49	—
	Imbaba (A)	—	—	—	—	—	4.2	—	0.0	—	0.0	—	7.2	—	—	—
	Giza	347.1	409.9	84.7	1.6	—	4.0	—	0.1	—	0.0	—	8.3	—	—	17.9
	Helwan	—	—	—	0.5	—	1.4	—	0.0	—	0.0	—	17.6	—	—	—
Upper Egypt	Fayoum	—	—	—	—	—	1.2	—	0.0	—	0.0	—	11.5	—	—	20.0
	Beni Suef	—	—	—	—	—	0.9	—	0.0	—	0.0	—	8.6	—	—	20.0
	Minya (A)	—	—	—	0.0	—	0.8	—	0.2	—	0.0	—	8.9	—	40	18.9
	Mallawi	—	—	—	—	—	0.7	—	0.2	—	0.0	—	3.6	—	—	17.3
	Asyout (Mangabad) (A)	—	—	—	0.0	—	0.3	—	0.1	—	0.0	—	17.5	—	51	21.6
	Shandaweel	—	—	—	—	—	0.0	—	0.0	—	0.0	—	7.9	—	—	17.2
	Nag Hammadi	—	—	—	—	—	0.0	—	0.0	—	0.0	—	8.7	—	—	21.6
	Kena	—	—	—	—	—	0.1	—	0.0	—	0.0	—	11.3	—	—	22.3
	Luxor (A)	—	—	—	0.2	—	0.7	—	0.3	—	0.2	—	13.8	72	52	—
	Kom Ombo	—	—	—	—	—	0.5	—	0.4	—	0.1	—	16.4	—	—	18.9
	Aswan (A)	—	—	—	0.0	—	0.8	—	0.5	—	0.2	—	22.6	—	—	—
Western Desert	Siwa	—	—	—	0.1	—	0.8	—	0.1	—	0.3	—	14.1	77	—	20.1
	Bahariya	—	—	—	0.0	—	0.4	—	0.2	—	0.1	—	10.7	61	42	20.5
	Farafra	—	—	—	0.0	—	0.0	—	0.0	—	0.1	—	21.0	61	44	20.7
	Dakhla	—	—	—	0.0	—	0.1	—	0.2	—	0.1	—	19.9	66	46	17.4
	Khaga	—	—	—	0.0	—	0.0	—	0.2	—	0.1	—	15.9	—	—	21.0
Red Sea	Suez	—	—	—	—	—	1.8	—	0.1	—	0.0	—	12.4	—	—	—
	Abu Redes	369.8	408.5	90.5	—	—	0.1	—	0.1	—	0.1	—	10.7	—	—	—
	Tor	—	—	—	0.0	—	0.2	—	0.2	—	0.1	—	10.1	—	—	—
	Hurghada	—	—	—	0.1	—	0.2	—	0.2	—	0.4	—	22.1	—	—	—
	Quseir	—	—	—	0.2	—	0.9	—	0.5	—	0.1	—	16.2	—	—	—
	Abul Kizan	—	—	—	—	—	1.0	—	0.8	—	0.9	—	6.1	—	—	—

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

AUGUST 1963

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	Sidi Barrani	5	—	—	—	—	—	27.[illegible]	28.2	29	25.0	[illegible]	35.5	38.5	18	26.4	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		10	—	—	—	—	—	28.1	29.5	29	25.6	31	32.8	37.3	27	31.9	29	[illegible]	[illegible]	[illegible]	[illegible]	31
		20	—	—	—	—	—	29.7	30.8	19	28.9	31	31.0	31.0	18	29.0	31	[illegible]	[illegible]	[illegible]	[illegible]	29
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mersa Matruh (A)	5	[illegible]	[illegible]	[illegible]	[illegible]	28	25.8	27.6	29	24.2	31	38.7	41.5	17	35.0	3	[illegible]	[illegible]	[illegible]	[illegible]	27
		10	[illegible]	[illegible]	29	[illegible]	[illegible]	25.8	28.0	29	25.7	27	32.7	35.2	18	30.5	31	[illegible]	[illegible]	[illegible]	[illegible]	27
		20	[illegible]	3[illegible]	1	[illegible]	17	28.8	29.5	29	27.8	31	29.3	29.8	18	28.2	31	[illegible]	[illegible]	[illegible]	[illegible]	27
		50	29.[illegible]	[illegible]	1,2	29.0	31	28.8	29.8	29	28.7	[illegible]	28.8	29.4	21	28.4	29,3	27.[illegible]	[illegible]	17,[illegible]	[illegible]	27
		100	[illegible]	29.0	29	28.0	24,[illegible]	28.[illegible]	29.3	10,20	28.0	31	28.1	29.8	19	28.3	31	[illegible]	30.1	18	28.6	29
		200	24.5	25.1	30,31	24.2	6	25.0	25.6	27	24.2	1,3	24.3	25.5	27	24.2	1	24.[illegible]	25.[illegible]	31	[illegible]	1
	Ras El Hikma	5	—	—	—	—	—	27.3	28.0	17	26.0	28	36.2	38.0	17	35.0	13	[illegible]	[illegible]	18	[illegible]	27,28
		10	—	—	—	—	—	26.3	27.4	11	25.3	28	33.4	33.7	2	31.7	*	[illegible]	[illegible]	17	[illegible]	13,31
		20	—	—	—	—	—	26.9	27.6	20	25.9	28	29.8	31.0	7	29.3	28	[illegible]	[illegible]	17	[illegible]	13,28
		50	—	—	—	—	—	28.1	—	—	—	—	28.0	—	—	—	—	7.9	—	—	—	—
		100	—	—	—	—	—	25.9	26.3	29,30,31	25.4	1-2	25.0	25.3	3	25.4	1	[illegible]	26.3	3	[illegible]	1
		200	—	—	—	—	—	23.0	23.5	29,30,31	22.4	1,2	23.0	23.6	31	22.4	1	23.0	23.6	31	22.4	1
	Dabaa	5	—	—	—	—	—	25.2	26.8	18	23.0	28	36.[illegible]	39.7	18	34.1	28	30.3	32.8	17,18	29.4	*
		10	—	—	—	—	—	25.8	27.2	18	24.2	10-28	31.9	33.8	17	30.7	10	30.9	32.2	18	30.2	12
		20	—	—	—	—	—	27.9	28.8	22	27.0	28,29	28.4	29.7	21	27.6	28-29	29.6	31.0	18	29.0	28
		50	—	—	—	—	—	28.6	29.2	19,20,22	28.2	11	28.6	29.2	19,20,22	28.2	11	28.6	29.2	[illegible]	28.2	11
		100	—	—	—	—	—	26.5	27.0	20	26.0	1-2-3	26.5	27.0	20	26.0	1,2,3	26.5	27.0	20	26.0	1-2-3
		200	—	—	—	—	—	23.9	24.4	*	23.2	1	23.9	24.4	*	23.2	1	23.9	24.4	*	23.2	1
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	31.3	31.9	18,20	30.7	14	31.3	31.7	23	30.7	10,11	31.4	31.9	18,23	31.0	8,9	31.4	31.8	14	30.9	12,13
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	El Arish	5	29.4	30.4	4	28.0	31	28.1	29.8	2	26.8	31	35.1	36.4	2	33.7	30	33.8	35.0	2	32.0	31
		10	30.8	33.6	2	30.0	30,31	29.0	30.4	2	28.0	31	33.6	34.8	2	32.4	30	34.1	34.9	3	32.6	31
		20	32.2	32.7	4	31.0	31	31.1	32.0	13	30.2	31	31.7	32.4	13	31.0	30,31	33.1	33.6	1,2,3	32.0	24
		50	32.4	32.9	24	32.1	1,2	32.5	32.7	4,8	32.3	2,31	32.4	32.7	14	32.2	*	32.2	32.5	28	32.0	*
		100	30.1	30.4	*	29.6	1,2	30.1	30.4	*	29.6	1	30.1	29.7	1,2,3	30.5	30,31	30.1	30.5	[illegible],29	29.6	1
		200	28.3	28.8	30	27.7	1,3	28.3	28.8	24,29,30	27.7	1,2	28.3	28.8	30,31	27.7	1,2	28.3	28.8	29,30	27.7	1

* More than 3 days.

Table A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS
AUGUST 1963

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	Ghazza	5	31.7	33.3	12	28.3	21	29.8	35.6	12	27.6	21	39.8	45.0	16	36.8	22	35.1	36.1	16	30.8	20
		10	32.7	34.5	12	30.0	21	30.8	31.8	12	28.6	21	37.3	38.3	12	35.5	20	35.8	37.0	13	32.8	20
		20	34.0	34.8	4,6,12	30.7	21	32.1	33.2	12	30.0	24	34.6	35.2	5	33.0	21	35.8	37.0	13	33.8	20
		50	33.4	34.6	15	30.0	5	33.7	35.0	8,18	32.5	1,9,28	33.9	35.0	*	31.5	30	33.6	34.5	19	31.5	23
		100	34.9	36.0	*	32.5	1	35.2	37.0	8	34.0	1,2	35.2	36.5	3	33.0	2	35.0	36.0	17,22,30	33.0	27
		200	30.2	31.5	27	29.0	3	30.2	31.5	24	29.0	1	30.2	31.0	28	28.7	12	30.6	31.3	26,30	29.0	9
	Damanhour	5	—	—	—	—	—	27.3	31.0	15	25.4	19,31	34.4	43.5	3	34.5	31	29.9	32.7	1	27.3	31
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	29.5	30.4	2	28.4	31	29.4	30.3	3	28.3	31	29.3	30.2	3,5	28.3	30,31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	5	—	—	—	—	—	26.7	27.4	9	26.0	*	28.1	28.8	5	27.0	27	26.6	27.2	9,10	25.7	28
		10	—	—	—	—	—	27.6	28.5	3,9	27.0	*	30.0	29.5	*	27.8	27	27.6	28.3	9	26.7	21
		20	—	—	—	—	—	27.7	29.5	8,11	27.8	27,28	30.2	31.0	16,17,21	28.0	27	28.2	28.5	5,13,31	27.2	28
		50	—	—	—	—	—	26.2	27.5	2	25.5	18,27	27.1	27.6	3	26.4	15	26.1	26.8	7,20	25.7	26
		100	—	—	—	—	—	25.4	26.3	3	25.0	*	26.2	26.8	3,5,9	25.5	22	25.4	26.0	*	24.8	29,30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	29.2	30.3	3	27.7	31	37.9	38.8	6	36.3	30	33.7	34.7	1	32.2	28,31
		10	—	—	—	—	—	32.7	33.3	3	32.0	2	36.0	36.7	6	34.7	31	35.5	36.2	3	34.5	30,31
		20	—	—	—	—	—	31.2	31.6	21	30.5	30	31.4	31.8	*	30.6	30,31	33.0	32.4	6	[illegible]	31
		50	—	—	—	—	—	34.5	34.8	19,21	34.1	30	34.3	34.6	19,21	34.0	29,30,31	34.4	34.6	21	33.8	31
		100	—	—	—	—	—	30.3	30.5	*	29.7	1	30.3	30.6	31	29.7	1	30.3	30.5	*	29.7	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tahrir	5	27.5	29.2	14	26.5	27	29.2	31.1	20	27.5	31	40.3	46.5	21	39.3	31	34.2	36.0	17,18,19	32.6	31
		10	30.9	31.9	21,22	30.0	27,30	29.2	30.7	3	27.7	31	40.6	42.3	21	39.2	26,30	36.9	38.5	17,18	35.4	31
		20	34.0	35.0	22	33.3	13,27	32.0	32.9	21	31.0	30	34.2	35.2	21	33.5	30,31	36.2	37.2	20	35.3	31
		50	32.9	33.6	22	32.3	18	32.9	34.0	6	32.5	31	32.5	33.1	21	32.1	31	32.6	33.2	21,22	32.2	30,31
		100	—	—	—	—	—	31.4	31.6	*	31.0	1	—	—	—	—	—	31.4	31.7	24	31.1	1
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	5	29.8	31.0	*	29.0	24,25,31	30.3	33.0	15	28.5	29,31	49.1	51.4	7	46.8	23	36.8	39.0	16	34.2	8
		10	33.6	34.5	3,4,5	31.6	11	32.1	34.8	10	30.9	31	40.4	41.9	7	39.0	23,29,30	37.9	39.0	3,16,17	36.3	30
		20	35.3	36.0	1,5	34.3	31	33.9	34.7	4,5	32.8	31	35.9	36.8	7	35.7	29,30,31	37.0	38.0	3	35.7	25
		50	35.1	35.6	4	34.5	31	34.7	35.6	19	34.1	31	34.3	34.7	2,4	33.7	31	34.9	38.0	8	34.3	29,31
		100	34.4	34.6	23	34.0	1,31	34.4	34.6	5	34.1	2	34.4	34.5	*	34.1	1	34.4	37.0	8	34.1	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—							

* More than 3 days.

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

AUGUST 1963

Division	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
Cairo Area	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	32.1	33.0	*	30.5	1	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	29.5	30.4	*	28.0	1,2,3	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	26.6	27.0	*	25.5	23,24	—	—	—	—	—	—	—	—	—	—
Upper Egypt	Giza	5	31.1	32.2	22	30.5	30	30.4	31.7	1	29.0	31	43.7	45.1	4	41.7	31	37.4	38.8	4	36.1	31
		10	34.0	34.8	5	33.2	31	31.8	32.5	1	30.8	31	37.1	37.9	1	36.0	31	37.7	38.5	4	36.6	31
		20	34.6	34.9	22	34.1	31	33.7	34.0	4,5,22	33.2	31	33.8	34.1	4	33.3	31	34.9	35.2	4	34.3	31
		50	33.8	33.9	*	33.4	1	33.8	34.0	28	33.6	1	33.8	34.0	28	33.6	1,2	33.7	33.9	23	33.5	1,2
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Fayoum . . .	5	—	—	—	—	—	27.1	28.0	26,27	26.2	16,19	34.0	36.1	28	32.0	7	30.7	32.5	*	29.2	12
		10	—	—	—	—	—	27.9	29.0	26,28	27.1	16,19	31.0	33.0	29,31	30.0	*	30.6	32.0	*	29.5	12
		20	—	—	—	—	—	28.8	30.0	29	28.1	11,13	29.3	31.0	26	28.5	11,13,14	29.6	31.1	26	28.5	11
		50	—	—	—	—	—	28.6	29.1	30	28.2	*	28.5	29.0	30,31	28.0	12	28.5	29.0	29,31	28.0	9
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya . . .(A)	5	31.9	34.5	6	29.0	29	30.0	37.5	*	29.1	29	38.2	40.3	4	37.0	*	35.8	37.5	1,21	34.0	29,30,31
		10	34.7	37.0	5	33.0	25	32.9	34.5	6	31.5	29	36.6	38.5	19	35.3	31	37.4	39.0	5	36.0	29,30
		20	34.6	36.0	5	33.9	30	33.7	34.5	5	32.5	26	34.2	35.0	4,5,6	33.4	31	35.0	36.0	4,5	34.0	31
		50	34.3	34.7	7,21	33.8	31	34.2	34.5	*	33.8	28	34.2	35.0	17,18	33.7	*	34.4	35.7	4	34.3	31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	*	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mallawi . . .	5	—	—	—	—	—	26.8	28.5	*	25.0	29	34.1	39.5	1	30.6	31	33.3	37.0	1	29.5	31
		10	—	—	—	—	—	27.9	30.0	1	26.0	29	31.4	36.0	1	28.5	30,31	31.2	34.0	1	28.5	30,31
		20	—	—	—	—	—	29.0	30.5	1,5	27.5	29,30,31	29.2	31.0	1	27.5	29,30,31	29.2	31.0	1	27.5	29,30,31
		50	—	—	—	—	—	27.4	28.0	*	26.5	31	27.4	28.0	*	26.5	31	27.4	28.0	*	26.5	31
		100	—	—	—	—	—	26.1	26.2	*	25.5	31	26.1	26.2	*	25.5	31	26.1	26.2	*	25.5	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

AUGUST 1963

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
Upper Egypt	Shandaweel	5	—	—	—	—	—	28.5	30.5	5,14,24	26.0	31	36.1	41.5	12	33.0	30	33.4	35.5	20	31.5	1
		10	—	—	—	—	—	30.1	31.8	14	28.0	31	33.0	36.5	10,12	30.0	2	33.2	34.5	25	32.3	30,31
		20	—	—	—	—	—	31.5	32.5	22,24	30.0	28	31.6	33.5	20	30.5	31	32.1	32.5	*	31.0	24,26
		50	—	—	—	—	—	31.0	32.0	24	30.4	29,30,31	32.2	32.8	21	31.5	31	32.1	32.8	16,23	31.0	28,31
		100	—	—	—	—	—	29.9	30.5	16,24	29.3	30	29.9	31.0	19	29.2	30	29.9	30.5	*	29.0	31
		200	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag-Hammadi	5	—	—	—	—	—	26.9	28.2	8	25.2	29	39.9	44.2	27	37.2	8	32.1	34.0	11	30.8	1,2
		10	—	—	—	—	—	28.0	29.0	7,8,12	27.0	29	32.9	38.2	27	31.0	8	30.9	32.1	5	29.8	2
		20	—	—	—	—	—	29.3	30.0	*	28.0	31	30.1	35.1	24	29.2	*	29.8	30.6	13	29.1	26
		50	—	—	—	—	—	29.1	29.6	8,16,17	28.5	*	29.1	29.6	*	28.4	31	29.1	30.0	17	28.4	31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo	5	—	—	—	—	—	25.8	28.0	7,25	23.0	24	40.5	43.8	15	35.0	28	31.1	34.8	17	27.0	23,24
		10	—	—	—	—	—	27.1	29.2	7	25.0	24	32.9	35.0	6	30.0	23,24,25	31.1	33.4	17	27.2	22
		20	—	—	—	—	—	28.7	30.0	7	27.0	24	29.2	30.4	7	27.5	*	29.4	30.7	6,7	26.6	22
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Western Desert	Siwa	5	31.0	34.0	21	28.2	3	31.0	32.0	21	27.2	31	35.3	39.0	18	31.4	31	34.1	36.0	6	32.2	27
		10	31.6	33.2	20	29.6	29	29.9	31.3	20	27.8	27	34.4	36.8	19	32.4	28	34.6	36.2	19	33.0	27
		20	31.9	33.9	20	29.2	15	30.7	32.6	20	28.0	30	33.9	39.6	19	31.2	29	34.2	36.0	19	32.6	28
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bahariya	5	31.1	33.9	20	27.8	29	28.0	30.2	20	24.9	28	38.0	42.2	18	35.1	27	36.7	40.7	18	34.4	30
		10	33.3	35.7	20	30.4	28	30.2	32.8	20	25.6	28	34.7	37.3	18	33.2	28	36.3	39.5	18	32.4	27
		20	34.7	36.7	20	33.4	30	33.3	35.1	20	31.7	28	33.2	35.0	20	31.6	28	35.1	36.9	18	33.1	28
		50	34.6	35.4	28	33.9	31	34.7	35.4	22	34.0	31	34.5	35.2	21,22	33.9	31	34.4	35.1	21	33.7	31
		100	32.9	33.4	23	32.2	22	32.9	33.3	25	32.1	28	33.0	33.3	24,25	32.6	1	32.9	33.4	25	32.2	26
		200	30.7	31.0	*	30.2	1	30.7	31.0	*	30.3	1	30.7	31.0	*	30.3	1	30.7	31.0	*	30.3	1,2
	Farafra	5	35.0	36.7	20	33.6	31	32.6	34.5	21	30.9	28	40.2	42.0	19,20,21	38.6	30	39.0	40.6	18,19	37.2	30
		10	36.0	37.4	20,21	35.1	28,29,30	34.1	35.4	20,21	32.8	*	36.6	38.1	21	35.3	30	38.0	39.6	19	36.6	30
		20	36.0	37.1	20,21	34.1	31	35.2	36.4	21	34.1	31	34.9	36.0	20,21	33.9	31	36.0	37.3	21	34.0	18
		50	33.8	34.4	22	32.9	31	33.8	34.4	22,24	32.9	31	33.8	34.4	22	32.8	31	33.7	34.3	22,24	32.7	31
		100	31.8	32.2	*	31.4	1,3	31.8	32.2	23,24,25	31.4	1	31.8	32.2	*	31.5	*	31.9	32.2	*	31.4	2
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 8 — FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

AUGUST 1963

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	Dustetorm / Sandetorm 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	1	0	0	2	0	0	0	0	0	0	25	0
	Ras El Hikma	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Dabaa	0	0	0	0	0	0	0	0	0	0	3	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	21	0
	Ras El Teen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0
	Alexandria (A)	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	19	0
	Rosetta	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	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	—	0
	Port Said (A)	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	30	0
	El Arish	0	0	0	0	0	0	4	1	1	0	2	0	0	0	0	0	0	21	0
	Ghazza	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	16	1
Lower Egypt	El Sirw	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	0	0	0	0	0	0	4	1	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	0	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	15	4	0	0	0	0	0	0	0	0	0	29	0
	Shebin El Kom	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	—	—
	Zagazig	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	—	—
	Abu Sueir (A)	0	0	0	0	0	0	19	3	1	0	1	0	0	0	0	0	0	22	0
	Banha	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	—	—
	Zaher (A)	0	0	0	0	0	0	10	3	0	0	0	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	16	5	0	0	0	0	0	0	0	0	0	29	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	5	0	0	0	0	0	0	0	0	0	0	—	—
Cairo Area	Cairo (A)	0	0	0	0	0	0	21	6	1	0	0	0	0	0	0	0	0	24	0
	Mostafa Helmi (A)	0	0	0	0	0	0	26	3	1	0	1	0	0	0	0	0	0	22	0
	Almaza (A)	0	0	0	0	0	0	26	2	21	0	0	0	0	0	0	0	0	25	0
	Abbasiya (H.Q.)	0	0	0	0	0	0	6	2	0	0	0	0	0	0	0	0	0	28	0
	Imbaba (A)	0	0	0	0	0	0	12	1	6	0	0	0	0	0	0	0	0	—	—
	Giza	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	30	0
	Helwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0

Table A 8 *(contd.)*.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.
AUGUST 1963

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 / Sand-storm 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 is 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	—	—
	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	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	31	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	2	0	0	0	0	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	31	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	2	0	0	0	0	0	0	31	0
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	0	0	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	1	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	30	0
	Quseir	0	0	0	0	0	0	0	0	3	0	4	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

AUGUST 1963

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	4	1	1-10	135	15	4	4	3	4	5	12	23	12	45	257	519
					11-27	39	1	0	0	0	0	0	0	0	0	15	159	214
					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	**174**	**16**	**4**	**4**	**3**	**4**	**5**	**12**	**23**	**12**	**60**	**417**	**734**
	Mersa Matruh . (A)	12	2	0	1-10	116	50	5	3	6	2	2	4	13	108	75	69	458
					11-27	93	3	0	0	0	0	0	0	0	5	6	175	277
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**209**	**53**	**5**	**3**	**6**	**2**	**2**	**4**	**13**	**108**	**81**	**244**	**730**
	Dekheila . . . (A)	6	0	0	1-10	33	120	21	4	2	4	3	7	3	1	14	131	646
					11-27	7	6	0	0	0	0	0	0	0	0	0	10	92
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**412**	**126**	**21**	**4**	**2**	**4**	**3**	**7**	**3**	**1**	**14**	**141**	**738**
	Ras El Teen	13	0	0	1-10	184	189	39	12	2	4	1	2	3	1	2	11	450
					11-27	124	144	8	0	0	0	0	0	0	0	0	5	281
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**308**	**333**	**47**	**12**	**2**	**4**	**1**	**2**	**3**	**1**	**2**	**16**	**731**
	Alexandria . . (A)	41	0	1	1-10	75	7	3	4	0	0	0	0	20	11	201	328	649
					11-27	3	0	0	0	0	0	0	0	1	0	27	22	53
					28-47	0	0	0	0	0	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**	**7**	**3**	**4**	**0**	**0**	**0**	**0**	**21**	**11**	**228**	**350**	**702**
	Port Said . . . (A)	1	3	0	1-10	135	13	7	1	1	6	5	15	9	85	94	133	504
					11-27	76	0	0	0	0	0	0	0	0	16	26	118	236
					28-47	0	0	0	0	0	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**	**13**	**7**	**1**	**1**	**6**	**5**	**15**	**9**	**101**	**120**	**251**	**740**
Lower Egypt	El Arish	1	30	1	1-10	89	20	1	0	1	27	44	107	95	15	75	234	708
					11-27	0	0	0	0	0	0	0	0	1	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	**89**	**20**	**1**	**0**	**1**	**27**	**44**	**107**	**96**	**15**	**75**	**237**	**712**
	Ghazza	0	46	0	1-10	48	7	4	11	17	180	42	9	34	78	123	105	658
					11-27	3	6	0	0	1	2	0	0	0	12	11	11	40
					28-47	0	0	0	0	0	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**	**7**	**4**	**11**	**18**	**182**	**42**	**9**	**34**	**90**	**134**	**116**	**698**
	Mansoura	1	0	0	1-10	160	47	19	7	3	0	0	1	21	100	180	181	719
					11-27	12	0	0	0	0	0	0	0	0	0	0	12	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	**172**	**47**	**19**	**7**	**3**	**0**	**0**	**1**	**21**	**100**	**180**	**193**	**743**
	Tanta	58	0	2	1—10	53	32	16	0	1	0	1	5	94	97	169	215	683
					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	**53**	**32**	**16**	**0**	**1**	**0**	**1**	**5**	**94**	**97**	**170**	**215**	**684**

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

AUGUST 1963

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
Lower Egypt	Tahrir	1	0	0	1-10	159	47	19	7	3	0	0	1	21	100	180	181	718
					11-27	13	0	0	0	0	0	0	0	0	0	0	12	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	172	47	19	7	3	0	0	1	21	100	180	193	743
	Abu Sueir . . . (A)	15	7	0	1-10	84	15	8	5	1	0	0	13	98	97	175	82	578
					11-27	35	0	0	0	0	0	0	0	0	1	49	22	107
					28-47	14	0	0	0	0	0	0	0	0	3	10	10	37
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	133	15	8	5	1	0	0	13	98	101	234	114	722
	Zaher . . . . . (A)	19	0	0	1-10	113	16	8	9	14	6	1	6	75	127	109	237	721
					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	113	16	8	9	14	6	1	6	75	127	110	240	725
Cairo Area	Cairo . . . . . (A)	19	0	118	1-10	94	54	19	12	3	0	0	1	0	7	73	164	427
					11-27	64	18	2	3	9	0	0	0	0	0	6	62	164
					28-47	5	1	0	0	0	1	0	0	0	0	3	5	16
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	163	73	21	15	12	1	0	1	0	7	83	231	607
	Mostafa Helmi . (A)	0	0	0	1-10	86	66	25	8	3	0	0	2	0	1	18	146	355
					11-27	116	158	16	5	0	2	0	0	0	9	8	84	389
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	202	224	41	13	3	2	0	2	0	1	26	230	744
	Almaza . . . . (A)	0	2	0	1-10	265	162	68	13	12	2	1	0	0	3	45	158	729
					11-27	1	6	0	0	4	0	0	0	0	0	0	0	11
					28-47	0	1	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	266	169	69	13	16	2	1	0	0	3	45	158	742
	Abbasiya . . . (H.Q)	7	11	1	1-10	339	72	14	4	0	0	0	0	2	1	42	251	725
					11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	339	72	14	4	0	0	0	0	2	1	42	251	725
	Giza	6	0	0	1-10	360	146	5	0	0	0	0	0	0	1	9	216	737
					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	360	146	5	0	0	0	0	0	0	1	9	217	738
Upper Egypt	Fayoum	1	4	0	1-10	399	87	3	0	0	0	1	2	0	8	25	213	738
					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	399	87	3	0	0	0	1	2	0	8	25	214	739
	Minya . . . . . (A)	38	0	2	1-10	202	150	1	0	0	0	1	0	0	8	6	231	599
					11-27	25	36	0	0	0	0	0	0	0	0	0	44	105
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	227	186	1	0	0	0	1	0	0	8	6	275	704

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

AUGUST 1963

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	
Upper Egypt	Asyout . . . . (A)	1	0	0	1-10	2	0	1	1	1	1	2	182	218	119	65	15	607
					11-27	0	0	0	0	0	0	0	0	14	77	43	2	136
					28-47	0	0	0	0	0	0	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**	**1**	**1**	**2**	**182**	**232**	**196**	**108**	**17**	**743**
	Luxor . . . . . (A)	54	0	0	1-10	40	14	5	4	7	13	34	95	101	58	69	223	663
					11-27	4	1	0	0	0	0	0	0	0	2	1	19	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	**44**	**15**	**5**	**4**	**7**	**13**	**34**	**95**	**101**	**60**	**70**	**242**	**690**
	Aswan . . . . . (A)	2	0	0	1-10	101	32	8	2	1	4	9	2	18	45	88	176	489
					11-27	59	7	0	0	0	0	0	1	2	16	70	101	258
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**160**	**39**	**8**	**2**	**1**	**4**	**9**	**3**	**20**	**61**	**158**	**277**	**742**
Western Desert	Siwa	53	0	0	1-10	137	92	73	27	10	3	2	1	11	45	95	144	640
					11-27	10	18	0	0	0	0	0	0	0	0	3	20	51
					28-47	0	0	0	0	0	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**	**110**	**73**	**27**	**10**	**3**	**2**	**1**	**11**	**45**	**98**	**164**	**691**
	Dakhla	10	7	9	1-10	140	56	7	1	3	2	2	10	19	108	147	214	715
					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	**147**	**56**	**7**	**1**	**3**	**2**	**2**	**10**	**19**	**108**	**147**	**216**	**718**
Red Sea	Hurghada	5	1	0	1-10	38	5	3	5	4	10	2	3	0	57	131	56	314
					11-27	86	0	0	0	0	0	0	0	0	25	121	192	424
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**124**	**5**	**3**	**5**	**4**	**10**	**2**	**3**	**0**	**82**	**252**	**248**	**738**

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

SALLUM — AUGUST 1963

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	2	7	11
				11-27	2	0	0	0	0	0	0	0	0	0	2	8	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	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	4	16	24
0300	11	0	0	1-10	1	0	0	0	0	0	0	0	0	0	1	8	10
				11-27	2	0	0	0	0	0	0	0	0	0	0	8	10
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	0	0	0	0	0	0	0	0	1	16	20
0600	3	0	0	1-10	5	0	0	0	0	0	0	1	0	1	1	7	15
				11-27	1	0	0	0	0	0	0	0	0	0	2	10	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	0	0	0	0	1	0	1	3	17	28
0900	0	0	0	1-10	6	1	3	1	1	0	0	1	0	0	0	5	18
				11-27	2	5	1	0	0	0	0	0	0	0	0	5	13
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	6	4	1	1	0	0	1	0	0	0	10	31
1200	0	0	0	1-10	3	3	0	0	0	0	0	0	0	0	1	0	7
				11-27	12	6	2	1	0	0	0	0	0	0	0	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	15	9	2	1	0	0	0	0	0	0	1	3	31
1500	2	0	0	1-10	1	3	0	0	0	0	0	0	0	0	0	0	4
				11-27	13	6	1	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	14	9	1	0	0	0	0	0	0	0	0	5	29
1800	6	0	0	1-10	5	1	0	0	0	0	0	0	0	0	0	9	15
				11-27	5	0	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	10	1	0	0	0	0	0	0	0	0	1	13	25
2100	7	0	0	1-10	3	0	0	0	0	0	0	0	0	0	3	10	16
				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	7	0	0	0	0	0	0	0	0	0	3	14	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) — AUGUST 1963

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	0	0	0	0	0	3	9	3	4	22
				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	1	1	2	0	0	0	0	0	3	9	4	7	27
0300	4	0	0	1–10	1	0	0	0	0	0	0	0	3	13	7	1	25
				11–27	0	0	0	0	0	0	0	0	0	0	1	1	02
				28–47	0	0	0	0	0	0	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	13	8	2	27
0600	1	0	0	1–10	2	1	0	0	0	0	0	1	1	2	15	4	26
				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	2	1	0	0	0	0	0	1	1	2	17	6	30
0900	0	0	0	1–1	6	1	0	0	0	0	0	0	0	0	0	3	10
				11–27	4	1	0	0	0	0	0	0	0	0	0	16	21
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	2	0	0	0	0	0	0	0	0	0	19	31
1200	0	0	0	1–10	3	4	0	0	0	0	0	0	0	0	0	0	7
				11–27	9	1	0	0	0	0	0	0	0	0	0	14	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	5	0	0	0	0	0	0	0	0	0	14	31
1500	0	0	0	1–10	4	2	0	0	0	0	0	0	0	0	0	1	7
				11–27	8	1	0	0	0	0	0	0	0	0	0	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	3	0	0	0	0	0	0	0	0	0	16	31
1800	3	0	0	1–10	6	1	0	0	0	0	0	0	0	0	1	9	17
				11–27	2	0	0	0	0	0	0	0	0	0	1	8	11
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	1	0	0	0	0	0	0	0	0	2	17	28
2100	3	0	0	1–10	4	0	4	0	0	0	0	0	0	4	6	5	23
				11–27	1	0	0	0	0	0	0	0	0	0	0	3	4
				28–47	0	0	1	0	0	0	0	0	0	0	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	0	5	0	0	0	0	0	0	4	6	8	28

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

DEKHEILA (A) — AUGUST 1963

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	4	0	0	1	0	0	0	0	0	1	8	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	16	4	0	0	1	0	0	0	0	0	1	8	30
0300	2	0	0	1—10	15	5	0	0	0	0	0	1	0	0	0	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	15	5	0	0	0	0	0	1	0	0	0	8	29
0600	1	0	0	1—10	12	4	1	0	0	1	0	0	1	0	1	9	30
				11—27	1	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	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	0	0	1	0	0	1	0	1	9	30
0900	0	0	0	1—10	8	7	0	0	0	0	0	0	0	0	3	7	25
				11—27	4	0	0	0	0	0	0	0	0	0	0	2	6
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	7	0	0	0	0	0	0	0	0	3	9	31
1200	0	0	0	1—10	10	5	0	0	0	0	0	0	0	0	0	5	20
				11—27	9	0	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	19	5	0	0	0	0	0	0	0	0	0	7	31
1500	0	0	0	1—10	13	5	1	0	0	0	0	0	0	0	0	0	19
				11—27	11	1	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	24	6	1	0	0	0	0	0	0	0	0	0	31
1800	0	0	0	1—10	13	9	4	0	0	0	0	0	0	0	0	1	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	9	4	0	0	0	0	0	0	0	0	1	31
2100	0	0	0	1—10	14	7	1	0	2	0	0	0	0	0	0	7	31
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	7	1	0	2	0	0	0	0	0	0	7	31

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

RAS EL TEEN — AUGUST 1963

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	7	9	1	0	0	1	0	0	0	0	0	1	19
				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	12	14	1	0	0	1	0	0	0	0	0	1	29
0300	3	0	0	1-10	9	7	2	0	0	0	0	0	0	0	0	0	18
				11-27	3	7	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	12	14	2	0	0	0	0	0	0	0	0	0	28
0600	4	0	0	1-10	9	8	2	0	0	0	0	0	0	0	0	1	20
				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	13	2	0	0	0	0	0	0	0	0	1	27
0900	0	0	0	1-10	11	8	1	0	0	0	0	0	0	0	0	2	22
				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	14	12	1	0	0	0	0	0	0	0	0	4	31
1200	0	0	0	1-10	6	7	0	0	0	0	0	0	0	0	0	0	13
				11-27	7	10	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	13	17	0	0	0	0	0	0	0	0	0	1	31
1500	0	0	0	1-10	0	5	0	0	0	0	0	0	0	0	0	2	7
				11-27	6	18	0	0	0	0	0	0	0	0	0	0	24
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	23	0	0	0	0	0	0	0	0	0	2	31
1800	0	0	0	1-10	1	12	3	2	0	0	0	0	0	0	0	0	18
				11-27	3	8	2	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	20	5	2	0	0	0	0	0	0	0	0	31
2100	1	0	0	1-10	8	10	1	1	1	0	0	0	0	0	0	0	21
				11-27	2	7	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	10	17	1	1	1	0	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

ALEXANDRIA (A) —AUGUST 1963

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	0	0	0	0	0	0	1	1	1	5	16	26
				11-27	0	0	0	0	0	0	0	0	0	0	0	1	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	0	0	0	0	1	1	1	5	17	27
0300	8	0	0	1-10	1	0	0	0	0	0	0	0	0	1	5	16	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	0	0	0	0	0	0	0	1	5	16	23
0600	3	0	0	1-10	0	0	0	0	1	0	0	0	0	1	9	17	28
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	1	0	0	0	0	1	9	17	28
0900	0	0	0	1-10	1	0	0	0	0	0	0	0	0	3	7	15	26
				11-27	0	0	0	0	0	0	0	0	0	0	3	2	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	0	0	0	3	10	17	31
1200	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	5	13	18
				11-27	0	0	0	0	0	0	0	0	0	0	5	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	0	0	0	0	0	0	0	0	0	0	10	21	31
1500	0	0	0	1-10	7	0	0	0	0	0	0	0	0	0	3	9	19
				11-27	1	0	0	0	0	0	0	0	0	0	3	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	8	0	0	0	0	0	0	0	0	0	6	17	31
1800	1	0	0	1-10	8	2	0	0	0	0	0	0	0	0	2	17	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	8	2	0	0	0	0	0	0	0	0	2	18	30
2100	1	0	0	1-10	5	1	1	0	0	0	0	0	0	0	6	17	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	1	1	0	0	0	0	0	0	0	6	17	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) — AUGUST 1963

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 dirns
0000	1	0	0	1-10	4	0	0	2	0	0	0	0	0	6	8	7	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	4	0	0	2	0	0	0	0	0	6	10	8	30
0300	1	0	0	1-10	3	0	0	0	0	1	3	0	0	11	6	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	3	0	0	0	0	1	3	0	0	11	6	6	30
0600	0	0	0	1-10	1	1	0	0	0	0	0	1	4	13	4	6	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	1	1	0	0	0	0	0	1	4	14	4	6	31
0900	0	0	31	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
1200	0	0	0	1-10	15	1	0	0	0	0	0	0	0	1	0	2	19
				11-27	3	0	0	0	0	0	0	0	0	1	0	8	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	18	1	0	0	0	0	0	0	0	2	0	10	31
1500	0	0	0	1-10	4	0	0	0	0	0	0	0	0	0	0	9	13
				11-27	18	0	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	22	0	0	0	0	0	0	0	0	0	0	9	31
1800	0	0	0	1-10	9	0	0	0	0	0	0	0	0	0	2	3	14
				11-27	5	0	0	0	0	0	0	0	0	0	0	12	17
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	0	0	0	0	0	0	0	0	0	2	15	31
2100	0	0	0	1-10	9	2	0	0	0	0	0	0	0	1	3	9	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	9	2	0	0	0	0	0	0	0	1	4	15	31

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

EL ARISH — AUGUST 1963

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	direcstio
0000	2	0	0	1-10	0	0	0	0	1	1	5	10	10	0	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	0	0	0	0	1	1	5	10	10	0	2	0	29
0300	1	0	0	1-10	0	0	0	0	0	2	7	9	11	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	0	0	2	7	9	11	1	0	0	30
0600	0	0	0	1-10	0	1	0	0	0	4	2	5	14	5	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	1	0	0	0	4	2	5	14	5	0	0	31
0900	0	0	0	1-10	3	0	0	0	0	0	0	0	0	0	10	18	31
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	0	0	0	0	0	0	0	0	10	18	31
1200	0	0	0	1-10	3	0	0	0	0	0	0	0	0	0	5	23	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	0	0	0	0	0	0	0	5	23	31
1500	0	0	0	1-10	9	0	0	0	0	0	0	0	0	0	2	20	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	0	0	0	0	0	0	0	0	0	2	20	31
1800	0	0	0	1-10	11	3	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	11	3	0	0	0	0	0	0	0	0	2	15	31
2100	9	0	0	1-10	2	1	0	0	0	0	6	5	2	3	2	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	2	1	0	0	0	0	6	5	2	3	2	1	22

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

GHAZZA — AUGUST 1963

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	2	17	8	0	1	0	2	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	0	2	17	8	0	1	0	2	0	30
0300	0	0	0	1-10	0	0	0	0	0	24	6	0	0	1	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	6	0	0	1	0	0	31
0600	1	0	0	1-10	0	0	0	0	1	4	8	7	5	4	0	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	1	4	8	7	5	4	0	1	30
0900	0	0	0	1-10	0	0	0	0	0	0	0	0	6	11	10	2	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	0	0	0	0	0	0	0	0	7	12	10	2	31
1200	0	0	0	1-10	1	0	0	0	0	0	0	0	1	5	17	5	29
				11-27	0	0	0	0	0	0	0	0	0	0	2	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	0	0	1	5	19	5	31
1500	0	0	0	1-10	1	0	0	0	0	0	0	0	0	0	9	16	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	2	0	0	0	0	0	0	0	0	0	10	19	31
1800	0	0	0	1-10	13	5	0	1	0	0	0	0	0	0	1	10	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	5	0	1	0	0	0	0	0	0	1	10	31
2100	0	0	0	1-10	3	0	0	4	6	8	1	0	0	3	6	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	3	0	0	4	6	8	1	0	0	3	6	0	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) — AUGUST 1963

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	0	0	0	1	0	0	1	4	8	6	0	20
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	1	0	0	1	4	8	6	0	20
0300	10	0	0	1-10	0	0	0	0	0	0	0	1	12	4	3	1	21
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	1	12	4	3	1	21
0600	4	0	0	1-10	0	1	0	0	0	0	0	0	7	8	6	5	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	1	0	0	0	0	0	0	7	8	6	5	27
0900	0	0	0	1-10	3	4	0	0	0	0	0	2	3	4	11	3	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	4	0	0	0	0	0	2	3	4	12	3	31
1200	0	0	0	1-10	8	1	0	0	0	0	0	1	0	0	6	8	24
				11-27	1	0	0	0	0	0	0	0	0	0	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	9	1	0	0	0	0	0	1	0	0	11	9	31
1500	0	0	0	1-10	3	1	0	0	0	0	0	0	0	0	7	3	14
				11-27	5	0	0	0	0	0	0	0	0	0	5	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	0	0	0	0	12	10	31
1800	0	0	0	1-10	10	0	0	0	0	0	0	0	0	0	0	0	10
				11-27	8	0	0	0	0	0	0	0	0	0	5	8	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	18	0	0	0	0	0	0	0	0	0	5	8	31
2100	6	0	0	1-10	3	1	1	0	0	0	0	0	0	1	4	13	23
				11-27	0	0	0	0	0	0	0	0	0	0	1	1	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	1	1	0	0	0	0	0	0	1	5	14	25

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

CAIRO (A) — AUGUST 1963

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	5	3	1	3	1	0	0	0	0	1	4	7	25
				11-27	0	0	0	0	1	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	3	1	3	2	0	0	0	0	1	4	7	26
0300	9	0	0	1-10	1	4	0	0	1	0	0	0	0	2	5	8	21
				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	4	0	0	2	0	0	0	0	2	5	8	22
0600	3	0	1	1-10	7	3	0	1	0	0	0	0	0	2	8	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	7	3	0	1	0	0	0	0	0	2	8	6	27
0900	0	0	0	1-10	7	3	0	0	0	0	0	0	0	1	7	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	7	3	0	0	0	0	0	0	0	1	8	12	31
1200	0	0	0	1-10	5	0	0	0	0	0	0	0	0	0	6	9	20
				11-27	3	1	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	8	1	0	0	0	0	0	0	0	0	10	12	31
1500	0	0	0	1-10	7	0	0	0	0	0	0	0	0	0	1	9	17
				11-27	8	1	0	0	0	0	0	0	0	0	0	5	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	1	0	0	0	0	0	0	0	0	1	14	31
1800	0	0	0	1-10	10	6	2	0	0	0	0	0	0	0	1	5	24
				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	7	2	0	0	0	0	0	0	0	1	5	31
2100	0	0	0	1-10	6	9	3	4	0	0	0	0	0	1	2	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	9	3	4	0	0	0	0	0	1	2	6	31

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

MOSTAFA HELMI (A). — AUGUST 1963

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	10	5	0	2	1	0	0	0	0	0	0	5	23
				11-27	0	0	0	1	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	10	5	0	3	1	0	0	0	0	0	1	10	30
0300	0	0	0	1-10	9	3	2	0	0	0	0	0	0	0	3	9	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	10	3	2	0	0	0	0	0	0	0	4	12	31
0600	0	0	0	1-10	4	3	1	0	0	0	0	0	0	0	2	13	23
				11-27	3	1	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	7	4	1	0	0	0	0	0	0	0	2	17	31
0900	0	0	0	1-10	6	4	3	0	0	0	0	0	0	0	1	7	21
				11-27	3	4	0	0	0	0	0	0	0	0	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	9	8	3	0	0	0	0	0	0	0	2	9	31
1200	0	0	0	1-10	4	6	0	0	0	0	0	0	0	1	0	5	16
				11-27	3	8	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	7	14	0	0	0	0	0	0	0	1	0	9	31
1500	0	0	0	1-10	0	3	0	0	0	0	0	0	0	0	0	2	5
				11-27	3	16	4	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	3	19	4	0	0	0	0	0	0	0	0	5	31
1800	0	0	0	1—10	0	1	4	0	0	0	0	0	0	0	0	0	5
				11-27	16	9	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	16	10	4	0	0	0	0	0	0	0	0	1	31
2100	0	0	0	1-10	4	2	1	0	0	0	0	0	0	0	0	1	8
				11-27	14	4	3	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	18	6	4	0	0	0	0	0	0	0	0	3	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 1963

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	10	6	5	1	2	0	0	0	0	1	0	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	10	6	5	1	2	0	0	0	0	1	0	6	31
0300	0	0	0	1-10	6	8	2	1	1	0	0	0	0	0	4	8	30
				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	6	8	2	1	2	0	0	0	0	0	4	8	31
0600	0	0	0	1-10	10	6	1	1	0	0	0	0	0	2	5	6	31
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	6	1	1	0	0	0	0	0	2	5	6	31
0900	0	0	0	1-10	8	5	0	0	0	0	0	0	0	4	9	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	8	5	0	0	0	0	0	0	0	4	9	5	31
1200	0	0	0	1-10	4	5	0	0	1	0	0	0	0	1	5	14	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	1	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	5	0	0	1	0	0	0	0	1	5	15	31
1500	0	0	0	1-10	11	12	0	0	0	0	0	0	0	0	3	3	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	11	14	0	0	0	0	0	0	0	0	3	3	31
1800	0	0	0	1-10	7	15	3	0	0	0	0	0	0	0	0	4	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	7	17	3	0	0	0	0	0	0	0	0	4	31
2100	0	0	0	1-10	4	17	4	1	0	0	0	0	0	0	0	5	31
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	17	4	1	0	0	0	0	0	0	0	5	31

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS ABBASIYA (H.Q.) — AUGUST 1963

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	11	3	1	1	0	0	0	0	0	1	1	9	27
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	3	1	1	0	0	0	0	0	1	1	9	27
0300	9	0	0	1-10	7	3	0	0	0	0	0	0	0	0	1	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	7	3	0	0	0	0	0	0	0	0	1	11	22
0600	4	0	0	1-10	7	2	1	0	0	0	0	0	0	0	4	13	27
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	2	1	0	0	0	0	0	0	0	4	13	27
0900	0	0	0	1-10	12	2	0	0	0	0	0	0	0	1	4	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	12	2	0	0	0	0	0	0	0	1	4	12	31
1200	0	0	0	1-10	10	1	0	0	0	0	0	0	0	0	2	18	31
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	1	0	0	0	0	0	0	0	0	2	18	31
1500	0	0	0	1-10	20	3	0	0	0	0	0	0	0	0	0	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	20	3	0	0	0	0	0	0	0	0	0	8	31
1800	0	0	0	1-10	17	5	0	0	0	0	0	0	0	0	0	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	17	5	0	0	0	0	0	0	0	0	0	9	31
2100	1	0	0	1-10	13	10	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	13	10	1	0	0	0	0	0	0	0	0	6	30

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

GIZA — AUGUST 1963

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	9	3	0	0	0	0	0	0	0	0	0	16	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	3	0	0	0	0	0	0	0	0	0	16	28
0300	3	0	0	1-10	12	3	0	0	0	0	0	0	0	0	1	12	28
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	3	0	0	0	0	0	0	0	0	1	12	28
0600	0	0	0	1-10	11	2	0	0	0	0	0	0	0	0	4	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	11	2	0	0	0	0	0	0	0	0	4	14	31
0900	0	0	0	1-10	5	7	0	0	0	0	0	0	0	0	5	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	5	7	0	0	0	0	0	0	0	0	5	14	31
1200	0	0	0	1-10	7	9	1	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	7	9	1	0	0	0	0	0	0	0	0	14	31
1500	0	0	0	1-10	15	14	0	0	0	0	0	0	0	0	0	2	31
				11-27	6	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	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	14	0	0	0	0	0	0	0	0	0	2	31
1800	0	0	0	1-10	11	12	0	0	0	0	0	0	0	0	0	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	11	12	0	0	0	0	0	0	0	0	0	8	31
2100	1	0	0	1-10	14	5	2	0	0	0	0	0	0	0	0	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	14	5	2	0	0	0	0	0	0	0	0	9	30

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

HELWAN — AUGUST 1963

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	18	1	0	2	0	0	0	0	0	0	0	1	22
				11-27	2	0	0	0	0	0	0	0	0	0	0	0	2
				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	20	2	0	2	0	0	0	0	0	0	0	1	25
0300	10	0	0	1-10	13	2	1	0	0	0	0	0	0	0	1	3	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	14	2	1	0	0	0	0	0	0	0	1	3	21
0600	5	0	0	1-10	16	1	0	0	0	0	0	0	0	0	1	6	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	17	1	0	0	0	0	0	0	0	0	1	7	26
0900	1	0	0	1-10	7	4	0	0	0	0	0	0	0	3	1	9	24
				11-27	0	1	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	7	5	0	0	0	0	0	0	0	3	3	12	30
1200	0	0	0	1-10	6	2	0	0	0	0	0	0	0	4	5	5	22
				11-27	2	1	0	0	0	0	0	0	0	0	2	4	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	3	0	0	0	0	0	0	0	4	7	9	31
1500	1	0	0	1-10	8	0	0	0	0	0	0	0	0	0	2	10	20
				11-27	4	1	0	0	0	0	0	0	0	0	0	3	8
				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	14	1	0	0	0	0	0	0	0	0	2	13	30
1800	0	0	0	1-10	16	0	0	0	0	0	0	0	0	0	0	2	18
				11-27	7	1	0	0	0	0	0	0	0	0	0	1	9
				28-47	3	1	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	26	2	0	0	0	0	0	0	0	0	0	3	31
2100	1	0	0	1-10	11	1	0	0	0	0	0	0	0	0	0	1	13
				11-27	9	3	0	0	0	0	0	0	0	0	0	0	12
				28-47	3	1	1	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	23	5	1	0	0	0	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

MINYA (A) — AUGUST 1963

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	0	0	0	1-10	15	1	0	0	0	0	0	0	0	1	0	12
				11-27	2	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	17	1	0	0	0	0	0	0	0	1	0	12
0300	1	0	0	1-10	5	0	0	0	0	0	0	0	0	0	3	21
				11-27	0	1	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	1	0	0	0	0	0	0	0	0	3	21
0600	0	0	0	1-10	19	0	0	0	0	0	1	0	0	0	0	5
				11-27	2	3	0	0	0	0	0	0	0	0	0	1
				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	21	3	0	0	0	0	1	0	0	0	0	6
0900	0	0	0	1-10	11	5	0	0	0	0	0	0	1	1	0	7
				11-27	3	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	6	0	0	0	0	0	0	1	1	0	9
1200	1	0	0	1-10	7	11	0	0	0	0	0	0	0	0	1	2
				11-27	5	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
				≥48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	11	0	0	0	0	0	0	0	0	1	6
1500	1	0	0	1-10	18	11	0	0	0	0	0	0	0	0	0	1
				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	18	11	0	0	0	0	0	0	0	0	0	1
1800	8	0	0	1-10	11	11	0	0	0	0	0	0	0	0	0	1
				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	11	11	0	0	0	0	0	0	0	0	0	1
2100	8	0	0	1-10	12	2	0	0	0	0	0	0	0	0	0	5
				11-27	3	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
				48	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	2	0	0	0	0	0	0	0	0	0	6

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

ASYOUT (A) —AUGUST 1963

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	1	0	0	8	20	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	0	1	0	0	8	20	1	0	0	30
0300	1	0	0	1-10	0	0	0	0	0	0	0	8	20	2	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	0	0	0	0	8	20	2	0	0	30
0600	0	0	0	1-10	1	0	0	0	0	0	0	1	6	20	1	0	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	1	0	0	0	0	0	0	1	7	21	1	0	31
0900	0	0	0	1-10	0	0	0	0	0	0	0	0	2	13	5	2	22
				11-27	0	0	0	0	0	0	0	0	0	9	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	0	0	0	0	0	0	2	22	5	2	31
1200	0	0	0	1-10	0	0	0	0	0	0	0	1	0	2	2	1	6
				11-27	0	0	0	0	0	0	0	0	0	21	4	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	0	0	0	0	0	0	0	1	0	23	6	1	31
1500	0	0	0	1-10	1	0	0	0	0	0	0	0	1	17	6	0	25
				11-27	0	0	0	0	0	0	0	0	0	5	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	0	0	0	0	0	0	0	1	22	7	0	31
1800	0	0	0	1-10	0	0	0	0	0	0	0	1	15	11	1	1	29
				11-27	0	0	0	0	0	0	0	0	0	1	1	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	1	15	12	2	1	31
2100	6	0	0	1-10	1	0	0	0	0	0	0	9	11	3	0	0	24
				11-27	0	0	0	0	0	0	0	0	0	0	1	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	0	9	11	3	1	0	25

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

LUXOR (A) — AUGUST 1963

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the range 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	2	0	0	0	2	0	2	6	6	0	0	0	18
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	0	2	0	2	6	6	0	0	0	18
0300	18	0	0	1-10	0	0	0	0	0	0	1	4	6	1	1	0	13
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	1	4	6	1	1	0	13
0600	20	0	0	1-10	1	0	0	1	0	0	0	1	4	3	1	0	11
				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	1	0	0	1	0	0	0	1	4	3	1	0	11
0900	1	0	0	1-10	8	3	0	0	0	0	0	0	0	3	2	12	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	1	1
				≥ 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	3	2	13	30
1200	1	0	0	1-10	5	0	0	0	0	0	0	0	2	0	2	19	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	5	0	0	0	0	0	0	0	2	0	2	21	30
1500	1	0	0	1-10	4	0	0	0	0	0	0	0	1	3	2	16	26
				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	5	0	0	0	0	0	0	0	1	3	2	19	30
1800	8	0	0	1-10	3	0	0	0	0	0	1	0	0	4	3	11	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	1	0	0	4	3	12	23
2100	8	0	0	1-10	1	0	1	0	0	0	1	9	7	1	0	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	1	0	1	0	0	0	1	9	7	1	0	3	23

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

ASWAN (A) — AUGUST 1963

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	4	0	0	0	0	0	0	0	1	6	9	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	6	4	0	0	0	0	0	0	0	1	8	10	29
0300	3	0	0	1-10	4	1		0	0	0	1	0	1	2	4	13	26
				11-27	0	0	0	0	0	0	0	0	0	0	1	1	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	1	0	0	0	0	1	0	1	2	5	14	28
0600	4	0	0	1-10	4	3	0	0	0	1	1	0	0	2	2	9	23
				11-27	0	0	0	0	0	0	0	0	0	0	0	4	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	3	1	0	0	1	1	0	0	2	2	13	27
0900	1	0	0	1-10	4	5	2	0		0	0	0	0	3	1	4	20
				11-27		3	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	10	9	2	0	0	0	0	0	0	3	1	5	30
1200	0	0	0	1-10	2	0	0	0	0	0	1	0	1	2	2	4	12
				11-27	2	0	0	0	0	0	0	0	0	4	4	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	4	0	0	0	0	0	1	0	1	6	6	13	31
1500	0	0	0	1-10	2	0	0	1	0	0	0	1	0	2	2	3	11
				11-27	0	0	0	0	0	0	0	0	0	3	8	9	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	1	0	0	0	1	0	5	10	12	31
2100	0	0	0	1-10	3	1	0	0	0	0	0	0	1	1	5	6	17
				11-27	0	0	0	0	0	0	0	0	0	2	3	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	8	1	0	0	0	0	0	0	1	3	8	10	31
2100	1	0	0	1-10	2	0	0	0	0	0	0	0	1	2	5	10	20
				11-27	0	0	0	0	0	0	0	0	0	1	2	7	10
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	0	0	0	0	0	1	3	7	17	30

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

SIWA — AUGUST 1963

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the sector of the direction 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	7	8	4	4	0	0	0	0	0	0	0	0	23
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	8	4	4	0	0	0	0	0	0	0	0	23
0300	17	0	0	1-10	4	0	1	1	0	0	0	0	0	0	0	2	14
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	0	1	1	0	0	0	0	0	0	0	2	14
0600	9	0	0	1-10	9	2	2	1	0	0	0	0	0	0	2	6	22
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	2	2	1	0	0	0	0	0	0	2	6	22
0900	2	0	0	1-10	5	3	0	1	0	0	0	2	0	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	5	3	0	1	0	0	0	2	0	3	8	7	29
1200	0	0	0	1-10	2	0	0	1	0	0	0	0	0	5	13	7	28
				11-27	0	0	0	0	0	0	0	0	0	0	1	2	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	1	0	0	0	0	0	5	14	9	31
1500	0	0	0	1-10	0	1	0	0	0	0	0	0	0	3	7	10	27
				11-27	1	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	1	0	0	0	0	0	0	0	3	7	12	31
1800	10	0	0	1-10	4	1	0	0	0	0	0	0	2	4	4	1	16
				11-27	1	3	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	5	4	0	0	0	0	0	0	2	4	4	2	21
2100	7	0	0	1-10	4	9	4	2	0	0	0	0	0	0	0	1	20
				11-27	1	2	0	0	0	0	0	0	0	0	0	1	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	11	4	2	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

BAHARIYA — AUGUST 1963

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	10	1	1	0	0	0	0	0	0	0	0	21
				11-27	2	1	0	0	0	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	11	1	1	0	0	0	0	0	0	0	0	24
0300	25	0	0	1-10	2	3	1	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	2	3	1	0	0	0	0	0	0	0	0	0	6
0600	14	0	0	1-10	10	4	0	1	0	0	0	0	0	0	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	10	4	0	1	0	0	0	0	0	0	0	2	17
0900	4	0	0	1-10	12	7	0	0	0	0	0	0	0	2	0	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	12	7	0	0	0	0	0	0	0	2	0	6	27
1200	2	0	0	1-10	6	5	0	0	0	0	0	0	0	2	0	13	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	1	0	0
				All speeds	6	5	0	0	0	0	0	0	0	2	1	15	29
1500	1	0	0	1-10	10	3	0	0	0	0	0	0	0	1	1	11	26
				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	11	3	0	0	0	0	0	0	0	1	1	14	30
1800	5	0	0	1-10	11	1	0	0	0	0	0	0	0	1	0	12	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	1	0	0	0	0	0	0	0	1	0	13	26
2100	5	0	0	1-10	11	10	1	0	0	0	0	1	0	0	1	1	25
				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	11	10	2	0	0	0	0	1	0	0	1	1	26

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

DAKHLA — AUGUST 1963

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	1	1	0	0	0	0	0	0	3	9	10	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	1	1	0	0	0	0	0	0	3	9	10	6	30
0300	1	0	0	1-10	0	0	0	1	0	0	1	3	3	20	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	0	0	0	1	0	0	1	3	3	20	1	1	30
0600	0	0	0	1-10	2	2	2	0	0	0	2	0	0	2	17	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	2	2	2	0	0	0	2	0	0	2	17	4	31
0900	0	0	0	1-10	9	4	0	0	1	0	0	0	0	0	4	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	9	4	0	0	1	0	0	0	0	0	4	13	31
1200	0	0	0	1-10	10	2	0	0	0	0	0	0	2	0	3	13	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	1	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	2	0	0	0	0	0	0	2	0	3	14	31
1500	0	0	0	1-10	18	4	0	0	0	0	0	0	0	0	1	8	31
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	18	4	0	0	0	0	0	0	0	0	1	8	31
1800	0	0	0	1-10	11	9	3	0	0	0	0	0	0	1	3	4	31
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	9	3	0	0	0	0	0	0	1	3	4	31
2100	1	0	0	1-10	3	0	0	0	0	0	1	0	0	6	8	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	3	0	0	0	0	0	1	0	0	6	8	12	30

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

KHARGA — AUGUST 1963

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	28	0	0	1-10	0	0	0	0	0	0	0	0	0	0	0	0	0
				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	3	0	0	0	0	0	0	0	0	0	0	0	3
0300	29	0	0	1-10	1	0	0	0	0	0	0	0	0	0	0	0	1
				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	0	0	0	0	2
0600	25	0	0	1-10	4	1	0	0	0	0	0	0	0	0	0	0	5
				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	1	0	0	0	0	0	0	0	0	0	0	6
0900	11	0	0	1-10	13	4	1	0	0	0	0	0	0	0	0	1	19
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	4	1	0	0	0	0	0	0	0	0	1	20
1200	7	0	0	1-10	17	1	0	1	0	0	0	0	0	0	2	2	23
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	18	1	0	1	0	0	0	0	0	0	2	2	24
1500	5	0	0	1-10	22	0	0	0	0	0	0	0	0	0	0	1	23
				11-27	3	0	0	0	0	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	25	0	0	0	0	0	0	0	0	0	0	1	26
1800	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
2100	0	0	31	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 — AUGUST 1963

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of occurrences of wind blowing from the direction 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	0	0	0	0	0	0	0	0	0	1	9	2	12
				11-27	0	0	0	0	0	0	0	0	0	0	7	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	0	0	0	0	0	0	0	0	0	1	16	8	25
0300	11	0	0	1-10	0	0	0	0	0	0	0	0	0	0	11	1	12
				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	0	0	0	0	0	0	17	3	20
0600	4	0	0	1-10	0	0	0	0	0	0	0	0	0	0	10	5	15
				11-27	0	0	0	0	0	0	0	0	0	0	9	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	0	0	0	0	0	0	0	0	0	0	19	8	27
0900	2	0	0	1-10	0	0	0	0	0	0	0	0	0	0	8	3	11
				11-27	0	0	0	0	0	0	0	0	0	0	15	3	18
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	0	0	0	23	6	29
1200	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	9	2	12
				11-27	0	0	0	0	0	0	0	0	0	0	15	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	0	0	0	0	0	0	0	0	0	1	24	6	31
1500	2	0	0	1-10	0	0	0	0	0	0	0	0	0	0	11	4	15
				11-27	0	0	0	0	0	0	0	0	0	0	8	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	0	0	0	0	0	0	0	0	0	0	19	10	29
1800	1	0	0	1-10	0	0	0	0	0	0	0	0	0	1	17	5	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	0	0	0	0	0	0	0	0	0	1	21	6	30
2100	5	0	0	1-10	0	0	0	1	0	0	0	0	0	0	14	2	17
				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	0	0	0	1	0	0	0	0	0	0	21	4	26

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

HURGHADA — AUGUST 1963

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	10	10	1	21
				11-27	0	0	0	0	0	0	0	0	0	2	6	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**	**0**	**0**	**0**	**12**	**16**	**2**	**30**
0300	1	0	0	1-10	0	0	0	0	0	0	0	0	0	2	13	3	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**18**	**7**	**30**
0600	0	0	0	1-10	1	0	0	0	0	0	0	0	0	0	1	6	8
				11-27	0	0	0	0	0	0	0	0	0	0	6	17	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**23**	**31**
0900	0	0	0	1-10	4	0	0	0	0	0	0	0	0	0	0	0	4
				11-27	7	0	0	0	0	0	0	0	0	0	0	20	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	**11**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**31**
1200	0	0	0	1-10	4	3	0	0	0	0	0	0	0	0	0	0	7
				11-27	17	0	0	0	0	0	0	0	0	0	0	7	24
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**21**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**31**
1500	1	0	0	1-10	6	0	0	0	1	3	0	0	0	0	0	5	15
				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	**6**	**0**	**0**	**0**	**1**	**3**	**0**	**0**	**0**	**0**	**0**	**20**	**30**
1800	5	0	0	1-10	0	0	0	0	0	0	1	0	0	2	4	3	10
				11-28	0	0	0	0	0	0	0	0	0	0	14	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	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**2**	**18**	**5**	**26**
2100	1	0	0	1-10	0	0	0	0	0	0	0	0	0	11	10	0	2
				11-27	0	0	0	0	0	0	0	0	0	6	2	1	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	
				All speeds	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**17**	**12**	**1**	**3**

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

QUSEIR — AUGUST 1963

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	0	0	0	0	0	0	0	2	14	1	4	21
				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	1	0	0	0	0	0	0	0	2	15	1	4	23
0300	3	0	0	1-10	1	0	0	0	0	0	0	0	0	10	8	6	25
				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	2	0	0	0	0	0	0	0	0	10	9	7	28
0600	0	0	0	1-10	2	0	0	0	0	0	0	0	0	0	1	9	12
				11-27	9	0	0	0	0	0	0	0	0	0	0	10	19
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	0	0	0	0	0	0	0	0	0	1	19	31
900	0	0	0	1-10	3	1	0	0	0	0	0	0	0	0	0	1	5
				11-27	25	1	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	28	2	0	0	0	0	0	0	0	0	0	1	31
1200	0	0	0	1-10	8	2	0	0	0	0	0	0	0	0	0	0	10
				11-27	16	5	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	24	7	0	0	0	0	0	0	0	0	0	0	31
1500	3	0	0	1-10	16	3	0	0	1	0	0	0	0	0	0	4	23
				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	19	3	0	0	1	0	0	0	0	0	0	6	28
1800	19	0	0	1-10	3	0	0	0	0	0	0	0	0	0	3	5	11
				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	4	5	12
2100	19	0	0	1-10	0	0	0		0	0	0	0	1	6	4	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	0	0	0	0	0	0	1	6	4	1	12

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — AUGUST 1963

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 . .	25	1006mb.*	1008mb.*	1002mb.*	25	24.9	26.4	22.2	25	21.0
1000	25	94	115	63	25	24.6	25.3	22.0	25	20.7
850	25	1509	1529	1484	25	20.0	24.0	15.2	22	2.6
700	25	3155	3195	3127	25	11.9	15.1	7.9	2	— 4.8
600	25	4426	44[illegible]	4400	25	4.5	7.0	— 0.7	—	—
500	25	5885	5924	5871	25	— 4.3	0.2	— 7.5	—	—
400	25	7604	7672	75[illegible]	25	—16.6	—11.9	—21.2	—	—
300	25	9706	97[illegible]8	9[illegible]53	25	—30.6	—28.3	—33.5	—	—
200	25	12470	12578	1[illegible]3[illegible]4	25	—40.4	—38.9	—42.7	—	—
150	24	14293	14414	14213	24	— 3.2	—61.4	—65.4	—	—
100	22	16715	1680[illegible]	1[illegible]33	22	—71.7	—69.4	—74.4	—	—
60	17	1979[illegible]	19870	19731	17	—70.9	—58.[illegible]	—[illegible]	—	—
40	15	22348	22[illegible]	22[illegible]9	15	—55.7	—50.4	—57.5	—	—
30	3	24162	241[illegible]0	24[illegible]9	3	—52.1	—51.2	—53.1	—	—
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

MERSA MATRUH (A) — 1200 U.T. — AUGUST 1963

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 . .	24	1005mb.*	1007mb.*	1002mb.*	24	27.8	30.7	25.5	24	22.8
1000	24	87	108	[illegible]3	24	27.2	30.1	25.0	24	22.4
850	24	1510	1538	1489	24	20.4	24.9	17.2	16	1.5
700	23	3157	3[illegible]03	3126	23	12.3	16.8	7.2	2	—[illegible]
600	23	4431	4571	4369	23	5.0	7.9	0.5	1	—16.3
500	23	5892	5942	58[illegible]	23	— 4.3	— 0.8	— 8.7	—	—
400	23	7610	7[illegible]	7557	23	—13.9	—12.5	—21.5	—	—
300	23	9706	9770	9634	23	—30.4	—28.0	—31.8	—	—
200	22	12471	12542	12346	22	—51.1	—46.0	—54.3	—	—
150	22	14295	14382	14147	22	—63.0	—59.0	—67.8	—	—
100	21	16733	16831	16570	21	—71.5	—67.5	—77.0	—	—
60	19	19828	19883	19634	10	—59.1	—56.0	—60.3	—	—
40	5	22303	22[illegible]72	22[illegible]00	5	—53.6	—51.6	—55.3	—	—
30	1	24341	—	—	1	—49.1	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Number of observation of specified pressure surfaces.

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—0000 U.T. — AUGUST 1963

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	991*mb.	993*mb.	988*mb.	28	24.7	28.8	22.6	28	18.2
1000	28	66	84	44	—	—	—	—	—	—
850	28	1472	1501	1440	28	21.1	25.3	15.1	22	4.4
700	28	3134	3171	3105	28	13.9	16.6	11.5	—	—
600	28	4415	4451	4390	28	6.7	9.7	3.6	—	—
500	28	5884	5931	5848	28	−3.4	1.7	−7.7	—	—
400	28	7613	7672	7565	28	−14.9	−10.8	−17.9	—	—
300	27	9729	9810	9678	27	−29.5	−25.7	−32.3	—	—
200	26	12498	12617	12413	26	−53.3	−49.4	−58.2	—	—
150	23	14320	14447	14217	23	−63.5	−62.4	−65.4	—	—
100	22	16726	16804	16614	22	−74.2	−70.5	−78.0	—	—
60	21	19792	19925	19666	21	−61.7	−58.2	−65.4	—	—
40	16	22345	22483	22218	16	−55.7	−48.5	−56.6	—	—
30	12	24184	24323	24013	12	−52.7	−49.5	−55.7	—	—
20	8	26854	26947	26798	8	−48.0	−44.5	−52.6	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—1200 U.T. — AUGUST 1963

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	991*mb.	992*mb.	987*mb.	30	34.8	39.2	31.7	30	10.9
1000	30	64	76	35	—	—	—	—	—	—
850	30	1494	1546	1455	30	21.4	26.4	15.5	23	4.5
700	30	3150	3199	3114	30	13.5	18.1	9.1	2	−11.5
600	30	4427	4483	4307	30	6.7	10.2	0.2	—	—
500	30	5900	5970	5781	30	−2.4	2.8	−5.7	—	—
400	29	7636	7729	7582	29	−14.4	−10.3	−19.2	—	—
300	29	9757	9869	9587	29	−29.1	−27.1	−31.1	—	—
200	29	12536	12658	12449	29	−49.0	−47.0	−51.3	—	—
150	29	14356	14502	14262	29	−62.9	−59.8	−65.8	—	—
100	28	16788	16947	16644	28	−73.9	−69.6	−79.0	—	—
60	22	19856	19980	19785	22	−60.4	−56.5	−65.1	—	—
40	19	22433	22581	22317	19	−53.6	−51.1	−57.0	—	—
30	13	24284	24341	24170	13	−50.3	−48.3	−52.8	—	—
20	2	26955	26962	26848	2	−46.1	−44.5	−47.8	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) —0000 U.T. — AUGUST 1963

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	982mb.*	985mb.*	979mb.*	30	27.9	30.4	25.0	30	5.9
1000	—	—	—	—	—	—	—	—	—	—
850	30	1472	1495	1442	30	23.3	26.8	19.5	25	2.4
700	30	3139	3156	3084	30	13.0	19.4	8.8	16	— 4.7
600	30	4403	4473	4359	30	4.4	11.5	1.7	16	—10.3
500	30	5871	5970	5845	30	— 4.8	1.4	— 9.7	7	—18.1
400	30	7584	7720	7545	30	—14.8	— 8.9	—18.2	—	—
300	30	9669	9911	9745	30	—31.7	—20.2	—33.9	—	—
200	29	12410	12812	12300	29	—52.8	—37.4	—53.4	—	—
150	29	14210	14710	14121	29	—64.5	—49.1	—67.5	—	—
100	28	16670	17088	16482	28	—76.9	—62.1	—83.2	—	—
60	18	19904	20150	19509	18	—62.6	—58.7	—68.6	—	—
40	13	22[illegible]	22277	22011	13	—57.7	—54.1	—60.4	—	—
30	8	23655	24097	23811	8	—54.2	—50.6	—60.0	—	—
20	2	26792	26751	26872	2	—50.1	—48.7	—51.5	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — AUGUST 1963

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	982mb.*	985mb.*	980mb.*	31	40.6	43.0	38.8	31	5.9
1000	—	—	—	—	—	—	—	—	—	—
850	31	1492	1515	1465	31	27.0	30.5	23.4	11	— 0.3
700	31	3167	3205	3119	31	14.9	19.0	11.0	12	— 2.6
600	31	4445	4490	4399	31	6.6	12.6	3.7	13	—12.0
500	31	5912	5963	5866	31	— 3.4	1.5	— 8.0	7	—19.2
400	31	7648	7717	7583	31	—12.9	— 9.5	—15.4	—	—
300	30	9774	9878	9531	30	—28.1	—24.0	—31.5	—	—
200	30	12553	12693	12449	30	—49.4	—46.1	—51.5	—	—
150	28	14383	14547	14255	28	—62.9	—59.4	—66.7	—	—
100	26	16793	16977	16492	26	—74.2	—69.0	—78.8	—	—
60	17	19866	20046	19550	17	—59.9	—51.2	—67.0	—	—
40	9	22450	22615	22135	9	—53.5	—50.0	—60.1	—	—
30	5	24411	24522	24319	5	—48.9	—44.2	—51.9	—	—
20	1	26994	—	—	1	—49.6	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

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 1963

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)	5160 (25)	548 (25)	— —	5950	498	—	4000	63[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16000	113	73.1	9500	323	—26.2	15100	128	210	62
Helwan.	5170 (28)	527 (28)	— —	6170	486	—	48[illegible]	[illegible]		13[illegible]	[illegible]	[illegible]	15630	120	[illegible]	11[illegible]	230	—41.7	25350	26	060	68
Aswan . . . . (A)	5030 (30)	556 (30)	[illegible] (17)	6160	48[illegible]	—	[illegible]	58[illegible]	—	[illegible]	[illegible]	[illegible]	17088	100	[illegible]	14080	153	—61.8	14400	146	070	88

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

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

1200 U.T. — AUGUST 1963

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)	5241 (23)	542 (23)	— —	5800	505	—	4530	594	—	13500 (21)	175 (21)	—58.5 (21)	15240	130	—68.5	8330	362	—24.3	9000	304	270	87
Helwan	5530 (30)	524 (30)	— —	6240	482	—	4330	598	—	14294 (28)	155 (28)	—64.4 (28)	18870	118	—71.0	9700	306	—78.5	23500	033	090	53
Aswan . . . (A)	5358 (31)	538 (31)	—16.7 (9)	6200	484	—	4800	566	—	15522 (25)	125 (25)	—70.2 (25)	16896	100	—69.0	13700	164	—61.0	22400	041	080	80

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

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 1963

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	3	8	1	4	0	—	0	—	0	—	0	—	0	—	1	8	4	8	5	13	7	9	1	25	9
1000	3	7	3	8	1	4	0	—	0	—	0	—	0	—	0	—	1	8	4	8	5	13	7	9	1	25	9
850	8	19	4	14	1	11	0	—	0	—	0	—	0	—	0	—	1	9	2	18	3	15	6	16	0	25	16
700	4	14	3	13	0	—	2	8	0	—	0	—	0	—	0	—	0	—	2	15	6	12	8	12	0	25	12
600	4	15	1	18	1	11	0	—	0	—	1	10	0	—	1	5	0	—	1	18	9	12	7	13	0	25	14
500	3	16	1	16	1	16	1	7	0	—	0	—	1	19	0	—	3	24	6	20	8	16	1	27	0	25	18
400	3	19	0	—	0	—	1	14	0	—	0	—	0	—	2	20	7	22	7	24	2	26	2	16	0	24	21
300	1	24	1	20	1	17	0	—	0	—	1	21	0	—	6	29	6	34	2	45	2	14	4	25	0	24	28
200	1	18	0	—	0	—	0	—	0	—	0	—	0	—	7	35	13	30	1	28	1	17	0	—	0	23	31
150	1	10	0	—	0	—	0	—	0	—	0	—	2	36	7	22	11	34	1	35	1	14	0	—	0	23	29
100	1	12	0	—	0	—	0	—	1	6	4	18	3	15	4	23	1	40	3	19	0	—	0	—	0	17	19
60	1	12	0	—	3	16	4	12	2	22	1	12	0	—	2	12	0	—	0	—	0	—	0	—	0	13	15
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	12	2	9	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	14	13	13	0	24	13
1000	6	12	2	9	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	14	13	13	0	24	13
850	4	11	2	18	1	18	0	—	0	—	0	—	1	5	0	—	0	—	2	9	6	14	8	15	0	24	14
700	1	11	4	13	0	—	0	—	0	—	0	—	1	8	0	—	0	—	5	10	7	12	5	15	0	23	12
600	3	13	2	16	0	—	0	—	0	—	1	—	0	—	0	—	1	17	7	14	7	14	2	17	0	23	14
500	3	19	0	—	0	—	0	—	0	—	1	16	0	—	0	—	4	17	8	18	6	16	1	17	0	23	18
400	3	22	0	—	0	—	0	—	1	21	0	—	0	—	1	20	6	20	8	26	3	22	1	23	0	23	23
300	0	—	0	—	0	—	1	22	0	—	0	—	0	—	2	24	10	29	7	33	1	17	2	16	0	23	28
200	0	—	0	—	0	—	1	21	0	—	0	—	0	—	5	25	10	29	3	38	1	25	1	21	0	21	29
150	0	—	0	—	0	—	1	15	0	—	0	—	2	15	7	33	5	24	2	25	1	27	1	22	0	19	26
100	1	3	0	—	0	—	2	26	1	16	1	19	3	29	3	18	3	29	1	19	0	—	0	—	0	15	20
60	0	—	0	—	0	—	1	10	1	30	0	—	1	3	0	—	0	—	0	—	0	—	0	—	0	3	14
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	8	1	15	0	—	2	2	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	8	5	28	7
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	5	11	6	15	4	8	0	—	0	—	0	—	0	—	0	—	1	10	2	11	5	10	5	12	0	28	12
700	5	10	9	14	0	—	0	—	0	—	0	—	1	6	0	—	1	9	3	16	3	7	6	10	0	28	11
600	3	15	7	14	1	8	0	—	0	—	0	—	1	22	1	3	4	10	8	12	1	5	2	6	0	28	12
500	2	12	4	18	2	4	0	—	0	—	0	—	1	13	1	16	8	16	5	16	2	11	2	12	1	28	14
400	1	8	1	22	0	—	1	15	0	—	0	—	0	—	2	14	15	19	5	14	3	11	0	—	0	28	17
300	0	—	0	—	0	—	0	—	1	5	0	—	1	8	6	22	14	22	3	17	1	18	1	7	0	27	19
200	0	—	0	—	0	—	—	—	0	—	0	—	4	18	10	25	7	22	1	20	2	20	0	—	0	24	23
150	0	—	0	—	0	—	0	—	0	—	2	34	4	22	11	32	2	23	1	13	2	21	0	—	0	22	28
100	0	—	0	—	0	—	1	12	1	10	3	22	9	23	5	24	1	15	1	23	0	—	0	—	0	21	22
60	0	—	0	—	3	12	7	39	2	14	3	24	0	—	0	—	0	—	0	—	1	21	0	—	0	16	23
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	8	4	12	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	9	5	9	10	12	0	30	10
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	9	8	8	8	2	6	0	—	0	—	0	—	0	—	0	—	0	—	4	8	5	10	2	17	0	30	9
700	6	9	4	12	1	9	0	—	0	—	0	—	0	—	2	11	5	11	4	6	5	7	2	14	0	30	10
600	9	8	3	8	1	11	1	6	0	—	1	2	0	—	5	15	5	13	6	11	3	7	0	—	0	30	10
500	3	13	2	13	1	19	0	—	0	—	0	—	2	8	7	13	4	10	5	12	5	11	1	4	0	30	12
400	2	14	1	12	1	5	0	—	0	—	0	—	2	8	6	16	10	23	5	15	1	10	1	6	0	29	15
300	0	—	0	—	0	—	1	2	0	—	1	24	1	3	8	18	15	21	3	19	0	—	0	—	0	29	19
200	1	6	0	—	0	—	0	—	2	6	0	—	[illegible]	23	12	26	3	23	3	18	2	25	0	—	0	29	22
150	0	—	1	8	0	—	1	20	0	—	2	14	8	23	12	25	4	21	1	18	1	24	1	15	0	29	21
100	0	—	0	—	1	10	2	19	5	17	8	22	9	23	0	—	0	—	0	—	0	—	0	—	0	25	21
60	0	—	0	—	0	—	3	26	14	27	1	18	0	—	0	—	0	—	0	—	0	—	0	—	0	15	26
40	0	—	0	—	0	—	7	32	1	31	1	13	0	—	0	—	0	—	—	—	0	—	—	—	0	9	30
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	21	8	1	8	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	7	0	—	3	11	4	30	8
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	2	12	1	14	0	—	0	—	0	—	0	—	1	4	1	20	4	13	5	14	9	9	7	12	0	30	11
700	0	—	0	—	1	8	1	9	2	4	0	—	0	—	4	15	10	15	8	18	3	15	1	3	0	30	14
600	0	—	0	—	0	—	0	—	0	—	1	3	1	6	6	14	13	18	7	16	1	2	0	—	1	30	15
500	0	—	0	—	2	12	2	6	2	6	5	6	5	8	3	15	8	14	2	22	0	—	1	5	0	30	11
400	0	—	1	7	4		3	7	8	10	7	9	2	12	1	14	1	24	0	—	0	—	2	14	1	30	10
300	0	—	2	22	3	13	3	9	12	9	4	12	2	2	2	5	1	1	0	—	0	—	0	—	1	30	9
200	0	—	1	13	3	40	6	22	8	20	4	21	3	15	2	18	0	—	0	—	0	—	0	—	2	29	21
150	0	—	0	—	1	—	5	18	11	26	9	25	2	39	1	30	0	—	0	—	0	—	0	—	0	29	27
100	1	41	0	—	0		7	28	11	30	2	27	0	—	0	—	0	—	0	—	0	—	0	—	0	21	29
60	0	—	0	—	0	—	2	26	7	35	1	34	1	21	0	—	0	—	0	—	0	—	0	—	0	11	32
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	11	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	7	5	10	7	9	9	10	1	31	10
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	1	17	0	—	1	2	0	—	0	—	0	—	1	16	1	17	0	—	10	10	8	13	9	14	0	31	13
700	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	17	13	21	10	16	4	15	1	10	0	31	18
600	0	—	1	3	0	—	0	—	1	27	2	7	4	12	6	15	17	20	0	—	0	—	0	—	0	31	17
500	1	7	0	—	1	4	2	8	6	8	1	4	6	20	6	16	6	14	1	17	1	15	0	—	0	31	13
400	0	—	1	5	7	9	6	10	6	14	4	11	0	—	2	18	2	15	0	—	0	—	2	13	1	31	11
300	1	5	2	26	3	11	9	17	10	14	2	14	2	13	0	—	1	11	0	—	0	—	0	—	0	30	15
200	0	—	1	31	1	67	7	17	10	17	7	25	3	22	0	—	0	—	0	—	0	—	0	—	0	29	22
150	0	—	0	—	3	33	4	31	11	28	9	22	0	—	0	—	0	—	0	—	0	—	0	—	0	27	27
100	0	—	0	—	0	—	8	32	12	34	3	32	0	—	0	—	0	—	0	—	0	—	0	—	0	23	33
60	0	—	0	—	0	—	6	44	2	40	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	8	43
40	0	—	0	—	0	—	1	36	1	42	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	2	39
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

REVIEW OF AGRO-METEOROLOGICAL STATIONS

GIZA—AUGUST 1963

This month was slightly warmer than normal. Deviations from normal values of the mean air temperature at 2 metres above ground and the mean relative humidity were +1.0°C and +1% respectively. A moderate heat wave occurred in the period (14th - 24th) and gave the absolute maximum air temperature, the lowest value of relative humidity and the lowest value of vapour pressure on the 19th.

The extreme maximum soil temperatures at depths: 1, 2, 5, 10, 50 & 100 cms. in the dry field were higer than the corresponding values for August 1962. The deviations varied between 2.8°C at 2cms. depth and 0.1°C at 5 & 50 cms. depths. At 0.3 cms. depth, the value was lower than last August by 1.7°C. At 20 cms. depth the value was equal to that of August 1962.

The extreme minimum soil temperatures at depths. 0.3, 1, 5, 10, 20 & 50 cms. were higher than the corresponding values for last August. The deviations varied between 1.2°C at 5 cms. depth and 0.2°C at 1 cm. depth. At 2 cms. depth, the value was lower than last August by 0.2°C. At 100 cms. depth, the extreme minimum soil temperature was equal to that of August 1962.

The daily mean wind speed at 2 metres above ground was lower than the corresponding value of last August (-0.3 m/sec.). The mean daily values of Piche evaporation, water pan evaporation, potential evaporation and potential evapotranspiration deviated by: -0.9, -0.99, -0.4 and +0.6 mms. respectively from their corresponding values of August 1962. The total duration of bright sunshine was 1.8 hours higher than its corresponding value of last August.

TAHRIR—AUGUST 1963

This month followed the usual August weather, except for very frequent early morning mist or fog.

The deviations of the means from the corresponding values for last August were;: +0.3°C for air temperature; +3% for relative humidity; +0.2 mm. for vapour pressure, -0.8 mm for Piche evaporation; -0.80 mm. for pan "A" evaporation; and -0.3 m/sec. for wind speed at 2 metres. The total sunshine duration was lower by 4.4 hours.

As for extreme soil temperatures, the maximum was lower by 1.7, 1.0 & 0.7°C at the depths 0.3, 1 & 2 cms respectively; while it was more by 0.6, 0.5, 0.8, 0.5 & 0.3°C for the depths 5, 10, 20, 50 & 100 cms. respectively. The extreme minimum temperatures were higher by 2.2, 2.0, 1.3, 2.2, 2.0, 1.7, 1.2 & 0.3°C at the depths 0.3, 1, 2, 5, 10, 20, 50 & 100 cms. respectively.

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

GIZA — AUGUST 1963

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	36.6	23.9	28.6	25.2	30.5	24.0	24.0	24.0	24.0	24.0	24.0	16.5	9.0	3.0	0.0	0.0
2	35.7	21.3	28.3	25.7	30.1	24.0	24.0	24.0	24.0	24.0	24.0	16.5	9.5	0.0	0.0	0.0
3	35.1	23.8	28.1	26.4	29.9	24.0	24.0	24.0	24.0	24.0	24.0	16.0	8.5	0.0	0.0	0.0
4	35.2	22.2	28.2	25.6	29.9	24.0	24.0	24.0	24.0	24.0	24.0	15.5	9.5	0.0	0.0	0.0
5	35.5	22.2	28.0	25.9	29.8	24.0	24.0	24.0	24.0	24.0	24.0	16.0	9.0	0.0	0.0	0.0
6	34.0	21.4	27.5	25.2	29.4	24.0	24.0	24.0	24.0	24.0	24.0	15.5	8.5	0.0	0.0	0.0
7	34.0	23.2	27.5	25.4	29.7	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
8	34.3	22.8	27.4	24.4	29.2	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.0	0.0	0.0	0.0
9	35.1	21.6	27.5	24.8	29.4	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.5	0.0	0.0	0.0
10	35.5	21.8	27.9	25.3	30.2	24.0	24.0	24.0	24.0	24.0	24.0	14.5	8.5	0.0	0.0	0.0
11	37.0	22.2	28.3	24.8	31.4	24.0	24.0	24.0	24.0	24.0	24.0	15.0	9.0	3.0	0.0	0.0
12	34.0	21.6	26.8	23.8	29.4	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.5	0.0	0.0	0.0
13	34.5	22.3	27.8	24.1	29.8	24.0	24.0	24.0	24.0	24.0	24.0	16.5	8.0	0.0	0.0	0.0
14	36.0	23.2	28.5	25.8	30.8	24.0	24.0	24.0	24.0	24.0	24.0	16.0	9.0	1.5	0.0	0.0
15	35.8	22.0	28.1	26.0	29.6	24.0	24.0	24.0	24.0	24.0	24.0	15.0	9.5	0.0	0.0	0.0
16	37.0	21.2	28.5	25.7	32.5	24.0	24.0	24.0	24.0	24.0	24.0	15.5	10.0	4.0	0.0	0.0
17	37.5	21.1	28.7	28.4	30.4	24.0	24.0	24.0	24.0	24.0	24.0	14.5	12.0	4.5	0.0	0.0
18	38.0	20.2	29.3	26.2	31.8	24.0	24.0	24.0	24.0	24.0	24.0	16.5	11.0	6.5	0.0	0.0
19	38.7	19.2	29.6	26.8	31.9	24.0	24.0	24.0	24.0	24.0	24.0	16.0	12.5	6.5	0.0	0.0
20	36.2	21.4	28.4	26.5	30.5	24.0	24.0	24.0	24.0	24.0	24.0	15.0	10.0	3.5	0.0	0.0
21	36.3	21.8	28.6	25.9	30.8	24.0	24.0	24.0	24.0	24.0	24.0	16.5	10.0	3.5	0.0	0.0
22	34.5	22.0	27.6	26.5	29.2	24.0	24.0	24.0	24.0	24.0	24.0	15.5	8.0	0.0	0.0	0.0
23	34.8	21.4	27.9	25.2	29.7	24.0	24.0	24.0	24.0	24.0	24.0	14.0	8.5	0.0	0.0	0.0
24	34.6	21.8	27.4	25.6	29.4	24.0	24.0	24.0	24.0	24.0	24.0	14.0	8.0	0.0	0.0	0.0
25	33.7	21.7	27.1	24.8	28.9	24.0	24.0	24.0	24.0	24.0	24.0	15.0	7.0	0.0	0.0	0.0
26	34.6	22.8	27.4	25.2	29.5	24.0	24.0	24.0	24.0	24.0	24.0	14.5	8.0	0.0	0.0	0.0
27	34.9	21.8	27.4	24.3	29.6	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.0	0.0	0.0	0.0
28	35.5	22.2	28.0	25.1	30.1	24.0	24.0	24.0	24.0	24.0	24.0	15.5	12.0	0.0	0.0	0.0
29	35.0	21.8	27.2	24.7	29.0	24.0	24.0	24.0	24.0	24.0	24.0	14.5	7.5	0.0	0.0	0.0
30	33.3	20.6	26.9	23.2	28.8	24.0	24.0	24.0	24.0	24.0	24.0	16.0	6.5	0.0	0.0	0.0
31	33.5	19.8	26.9	23.9	28.4	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.5	0.0	0.0	0.0
Total	—	—	—	—	—	744.0	744.0	744.0	744.0	744.0	744.0	473.0	274.0	36.0	0.0	0.0
Mean	35.4	21.8	27.9	25.4	30.0	24.0	24.0	24.0	24.0	24.0	24.0	15.3	8.8	1.2	0.0	0.0

Highest maximum at 2 metres 38.7 °C on 19th

Highest minimum at 2 metres 23.9 °C on 1st

Lowest maximum at 2 metres 33.3 °C on 30th

Lowest minimum at 2 metres 19.2 °C on 19th

Absolute minimum temperature at 5 cms. Above dry soil 15.2 °C on 19 th.

" " " " " " wet soil 15.5 °C on 19 th.

" " " " " " grass 12.5 °C on 19 th.

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

TAHRIR — AUGUST 1963

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	36.4	23.0	28.0	25.2	31.0	24.0	24.0	24.0	24.0	24.0	24.0	16.0	8.5	3.5	0.0	0.0
2	36.6	21.2	28.0	24.4	35.6	24.0	24.0	24.0	24.0	24.0	24.0	16.0	9.0	1.5	0.0	0.0
3	35.5	23.6	28.1	25.6	30.4	24.0	24.0	24.0	24.0	24.0	24.0	16.5	8.0	0.0	0.0	0.0
4	37.2	21.4	27.7	24.4	30.2	24.0	24.0	24.0	24.0	24.0	24.0	14.5	8.0	2.0	0.0	0.0
5	35.8	22.2	27.9	24.5	30.3	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.0	0.0	0.0	0.0
6	35.7	22.4	28.0	25.0	30.4	24.0	24.0	24.0	24.0	24.0	24.0	16.0	8.5	0.0	0.0	0.0
7	34.1	21.6	27.0	24.5	29.3	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.0	0.0	0.0	0.0
8	36.0	21.2	27.3	23.9	29.8	24.0	24.0	24.0	24.0	24.0	22.0	14.0	7.5	0.0	0.0	0.0
9	37.1	20.8	27.4	23.7	30.1	24.0	24.0	24.0	24.0	24.0	24.0	14.0	8.5	0.5	0.0	0.0
10	36.3	20.4	27.7	24.1	30.4	24.0	24.0	24.0	24.0	24.0	24.0	15.5	8.5	1.0	0.0	0.0
11	35.9	22.2	28.0	25.0	30.7	24.0	24.0	24.0	24.0	24.0	24.0	15.0	9.0	0.5	0.0	0.0
12	33.9	21.3	27.1	24.2	29.4	24.0	24.0	24.0	24.0	24.0	24.0	14.5	7.0	0.0	0.0	0.0
13	34.5	22.2	27.7	24.3	29.9	24.0	24.0	24.0	24.0	24.0	24.0	15.5	8.5	0.0	0.0	0.0
14	35.9	23.2	28.3	25.3	30.8	24.0	24.0	24.0	24.0	24.0	24.0	15.5	8.5	1.5	0.0	0.0
15	37.2	21.6	28.6	24.5	31.6	24.0	24.0	24.0	24.0	24.0	24.0	15.5	9.5	5.0	0.0	0.0
16	37.3	22.0	28.6	24.9	31.5	24.0	24.0	24.0	24.0	24.0	24.0	14.5	9.5	5.5	0.0	0.0
17	39.2	20.9	28.3	24.4	31.2	24.0	24.0	24.0	24.0	24.0	24.0	14.5	9.5	5.5	0.0	0.0
18	38.8	20.0	29.1	24.7	32.5	24.0	24.0	24.0	24.0	24.0	24.0	15.5	11.0	7.0	0.0	0.0
19	38.9	20.2	29.3	25.0	32.8	24.0	24.0	24.0	24.0	24.0	24.0	15.5	10.5	7.0	0.0	0.0
20	37.4	22.6	29.0	25.9	31.7	24.0	24.0	24.0	24.0	24.0	24.0	16.5	9.5	4.0	0.0	0.0
21	37.4	23.1	28.7	26.0	31.5	24.0	24.0	24.0	24.0	24.0	24.0	17.0	9.0	3.5	0.0	0.0
22	35.1	21.6	27.7	24.9	30.1	24.0	24.0	24.0	24.0	24.0	24.0	15.5	8.0	0.0	0.0	0.0
23	36.1	22.2	27.7	24.7	30.3	24.0	24.0	24.0	24.0	24.0	24.0	14.5	8.0	0.0	0.0	0.0
24	34.7	20.5	27.3	24.0	30.2	24.0	24.0	24.0	24.0	24.0	24.0	14.5	8.5	0.0	0.0	0.0
25	34.3	21.5	27.0	24.4	29.3	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.5	0.0	0.0	0.0
26	34.7	21.9	27.2	24.4	29.7	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
27	34.6	21.0	27.0	23.7	29.0	24.0	24.0	24.0	24.0	24.0	24.0	14.5	7.0	0.0	0.0	0.0
28	36.4	20.6	27.6	24.4	30.3	24.0	24.0	24.0	24.0	24.0	24.0	14.0	8.0	0.0	0.0	0.0
29	35.2	21.0	26.8	24.3	29.2	24.0	24.0	24.0	24.0	24.0	24.0	13.5	6.5	0.0	0.0	0.0
30	35.3	19.6	26.4	23.3	28.8	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.0	0.0	0.0	0.0
31	33.6	19.5	26.4	23.5	28.9	24.0	24.0	24.0	24.0	24.0	23.5	13.5	7.0	0.0	0.0	0.0
Total	—	—	—	—	—	744.0	744.0	744.0	744.0	744.0	743.5	462.0	257.0	48.0	0.0	0.0
Mean	36.0	21.5	27.8	24.6	30.4	24.0	24.0	24.0	24.0	24.0	24.0	14.9	8.3	1.5	0.0	0.0

Highest maximum at 2 metres 39.2°C on 17th. Highest minimum at 2 metres 23.0°C on 3rd.

Lowest maximum at 2 metres 33.6°C on 31st. Lowest minimum at 2 metres 19.5°C on 31st.

Absolute minimum temperature at 5 cms. above dry soil 17.4 °C on 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 — AUGUST 1963

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	2.5	2.1	3.2	628	11.0	13.6	81	0	7	71	36	18.2	15.6	15.0	11.20	0.0
2	2.1	1.4	3.0	627	12.3	13.6	90	3	8	70	36	17.9	14.5	14.8	9.84	0.0
3	2.1	1.9	2.5	561	9.6	13.6	71	0	6	69	43	18.2	16.9	13.0	9.16	0.0
4	2.1	2.0	2.3	617	12.0	13.5	89	0	7	68	38	17.5	15.4	14.8	10.23	0.0
5	2.2	2.0	2.5	592	11.5	13.5	85	1	7	70	33	16.8	12.9	14.2	9.80	0.0
6	2.6	2.0	3.4	588	11.7	13.5	87	0	8	72	38	17.7	14.1	15.2	11.31	0.0
7	2.8	2.3	3.3	614	12.0	13.4	90	1	8	72	43	17.7	16.6	15.5	11.00	0.0
8	2.2	2.1	2.4	627	11.1	13.4	83	0	2	68	44	17.4	16.9	12.7	8.99	0.0
9	1.7	1.5	2.1	591	10.3	13.4	77	2	8	64	34	15.7	13.8	12.6	8.92	0.0
10	2.2	1.8	2.8	614	11.3	13.4	84	2	8	66	25	14.9	10.3	17.6	10.91	0.0
11	1.9	1.2	2.9	602	11.8	13.4	88	0	7	73	37	18.4	16.3	15.0	10.10	0.0
12	2.3	1.8	3.0	603	11.9	13.3	89	1	7	72	36	16.5	13.4	14.4	9.81	0.0
13	2.1	1.5	2.9	586	10.3	13.3	77	0	6	67	49	18.6	18.3	13.1	8.54	0.0
14	2.3	2.1	2.6	593	10.8	13.3	81	3	7	66	38	17.0	15.7	15.1	10.48	0.0
15	1.9	1.7	2.2	609	11.6	13.3	87	2	7	64	32	15.7	13.4	14.5	9.39	0.0
16	1.3	0.8	2.1	574	10.0	13.2	76	2	7	68	28	15.6	12.3	14.6	9.59	0.0
17	1.6	1.2	2.3	538	9.8	13.2	74	6	9	68	31	16.3	14.5	15.3	9.51	0.0
18	1.7	1.0	2.6	590	12.4	13.2	94	0	6	56	20	13.7	9.7	20.4	11.42	0.0
19	1.5	0.8	2.6	588	12.4	13.2	94	0	2	54	19	13.7	9.8	20.4	11.76	0.0
20	1.8	1.4	2.4	576	10.4	13.1	79	1	5	72	30	16.8	12.9	15.9	10.38	0.0
21	1.4	1.1	1.9	574	10.9	13.1	83	2	7	64	37	17.7	15.8	14.0	8.67	0.0
22	1.8	1.5	2.1	566	10.3	13.1	79	0	7	70	42	17.1	15.9	13.3	9.07	0.0
23	1.6	1.1	2.5	571	11.8	13.0	91	1	7	68	37	17.1	14.6	14.3	9.39	0.0
24	1.7	1.4	2.1	565	10.3	13.0	79	2	6	68	32	15.5	12.4	14.6	9.43	0.0
25	1.7	1.3	2.3	585	11.5	13.0	88	0	6	68	46	17.5	16.9	12.7	7.86	0.0
26	2.2	1.5	3.2	554	11.4	13.0	88	0	8	68	49	18.2	19.2	14.1	10.23	0.0
27	2.0	1.8	2.3	569	10.4	12.9	81	2	7	67	41	16.8	15.2	13.5	8.36	0.0
28	1.7	1.4	2.1	570	11.7	12.9	91	1	7	62	34	15.4	13.5	15.1	9.10	0.0
29	1.4	1.1	1.8	554	10.8	12.9	84	0	7	71	32	15.8	12.3	13.2	8.97	0.0
30	1.5	0.9	2.2	562	11.7	12.8	91	0	6	64	37	15.5	13.1	14.1	9.15	0.0
31	1.9	1.5	2.4	561	12.1	12.8	95	0	3	64	36	15.2	12.8	14.9	9.74	0.0
Total	—	—	—	18149	347.1	409.9	2626	32	203	—	—	—	—	457.9	302.31	0.0
Mean	1.9	1.5	2.5	585	11.2	13.2	85	1	7	67	36	16.6	14.4	14.8	9.75	—

Maximum amount of rainfall in one day	0.0	mms.	on	—
Lowest value of relative humidity	17	%	on	19th.
Highest value of vapour pressure	21.8	mms.	on	17th.
Lowest value of vapour pressure	8.7	mms.	on	19th.

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 — AUGUST 1963

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		A mount of rainfall in millemetrs
	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	3.1	4.6	687	10.5	13.6	77	3	9	76	43	19.6	18.6	15.5	12.47	0.0
2	3.7	3.5	4.2	715	12.8	13.6	94	5	8	74	37	18.7	16.0	16.6	11.60	0.0
3	3.5	3.0	3.9	662	10.4	13.6	77	0	10	76	48	19.9	19.6	12.6	10.69	0.0
4	3.1	2.5	3.9	677	10.9	13.6	80	6	9	73	31	17.2	13.7	15.1	11.52	0.0
5	2.7	2.2	3.5	682	12.4	13.5	91	4	10	74	32	17.5	13.6	14.1	11.56	0.0
6	3.4	2.7	4.1	682	12.2	13.5	90	6	10	76	29	17.5	12.0	13.8	12.34	0.0
7	3.9	3.4	4.6	714	12.6	13.5	93	7	11	77	36	17.6	14.0	15.6	12.96	0.0
8	3.4	3.0	3.7	707	11.7	13.4	87	1	9	72	28	16.1	11.6	15.2	11.43	0.0
9	2.7	2.6	2.9	698	11.3	13.4	84	5	8	73	31	17.1	13.0	13.1	10.34	0.9
10	3.5	3.0	4.0	721	12.5	13.4	92	4	7	68	31	16.3	13.0	17.4	13.07	0.0
11	3.6	2.9	4.6	697	12.1	13.4	90	5	8	73	35	20.4	22.0	15.1	12.47	0.0
12	3.9	2.9	5.3	702	11.5	13.4	86	3	8	74	42	18.0	16.1	17.3	13.49	0.0
13	3.7	3.0	4.2	676	12.5	13.4	93	0	9	74	49	19.4	18.7	12.7	10.71	0.0
14	3.6	3.4	3.8	656	10.7	13.3	80	5	9	74	33	17.5	13.8	15.0	11.83	0.0
15	2.8	2.4	3.4	680	11.1	13.3	83	4	8	63	30	15.9	13.5	16.1	12.58	0.0
16	2.9	2.4	3.6	662	10.4	13.3	78	7	9	78	27	17.3	12.5	18.1	12.82	0.0
17	2.2	2.0	2.5	638	9.6	13.2	73	5	8	83	32	19.0	15.1	12.9	10.86	0.0
18	2.3	1.9	2.9	686	12.3	13.2	93	6	9	64	21	15.5	10.0	18.7	12.89	0.0
19	2.2	1.7	3.0	685	12.6	13.2	96	5	7	61	28	16.4	14.0	18.6	13.48	0.0
20	2.7	2.3	3.5	660	10.8	13.2	82	3	8	72	30	18.0	13.9	14.4	11.84	0.0
21	2.8	2.2	3.6	669	11.1	13.1	85	6	9	74	32	18.2	14.4	16.1	12.50	0.0
22	3.1	2.3	4.1	622	11.0	13.1	84	1	9	73	45	19.1	18.4	14.9	11.01	0.0
23	3.1	2.4	4.1	664	11.6	13.1	89	6	10	72	34	17.5	14.3	15.6	11.30	0.0
24	3.4	2.5	4.3	681	12.2	13.0	94	6	8	75	39	18.0	15.3	17.6	13.67	0.0
25	3.4	2.8	4.0	645	11.3	13.0	87	0	6	72	43	17.8	16.8	13.6	10.42	0.0
26	3.6	2.9	4.5	659	11.4	13.0	88	2	9	75	42	18.5	17.0	14.3	12.02	0.0
27	3.2	2.8	3.7	669	11.5	13.0	88	3	9	72	41	17.8	16.6	13.2	10.90	0.0
28	3.1	2.8	3.6	660	11.7	12.9	90	4	8	73	31	16.8	13.1	15.2	10.84	0.0
29	3.1	2.6	3.8	675	12.2	12.9	95	1	7	68	35	15.7	13.5	14.7	10.29	0.0
30	2.7	2.6	2.8	638	11.8	12.9	92	1	7	68	37	16.0	13.9	12.5	9.68	0.0
31	2.5	1.8	3.6	653	12.1	12.8	95	0	6	72	38	16.6	13.9	14.3	10.88	0.0
Total	—	—	—	20922	358.8	410.8	—	114	262	—	—	—	—	469.9	364.46	0.0
Mean	3.1	2.6	3.8	674.9	11.6	13.3	87	3.7	[illegible]	[illegible]	36	17.6	14.9	15.2	11.76	0.0

Maximum amount of rainfall in one day	0	mms.	on	—
Lowest value of relative humidity	21	%	on	18th
Highest value of vapour pressure	22.4	mms.	on	14th
Lowest value of vapour pressure	9.9	mms.	on	18th

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

GIZA — AUGUST 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	62.3	20.0	39.8	19.0	37.3	23.0
1	59.3	21.2	36.8	19.2	34.6	22.6
2	57.8	21.8	35.2	20.2	33.2	23.1
5	45.2	27.2	33.2	21.6	31.4	24.7
10	39.6	30.8	30.8	24.0	30.0	25.8
20	35.2	33.0	29.1	26.3	29.2	26.4
50	34.0	33.4	27.8	27.1	28.1	27.2
100	32.2	31.3	27.1	26.3	26.5	25.7
200	29.4	28.1	24.6	23.5	24.7	23.6
300	2[illegible].9	25.9	—	—	—	—

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

TAHRIR — AUGUST 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	56.3	20.2	—	—	—	—
1	54.3	21.0	—	—	—	—
2	52.7	21.0	—	—	—	—
5	49.3	24.0	—	—	—	—
10	43.5	27.1	—	—	—	—
20	37.5	31.0	—	—	—	—
50	33.6	32.1	—	—	—	—
100	31.7	31.0	—	—	—	—
200	29.6	28.6	—	—	—	—
300	28.2	27.0	—	—	—	—
600	25.2	24.7	—	—	—	—

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

GIZA — AUGUST 1963

10 Knots or more	22 Days	30 Knots or more	0 Days
15 „ „ „	1 „	35 „ „ „	0 „
20 „ „ „	0 „	40 „ „ „	0 „
25 „ „ „	0 „	The highest gust 23 knots on 6th	

Table C 4—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES RÉACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

TAHRIR — AUGUST 1963

10 Knots or more	28 Days	30 Knots or more	0 Days
15 „ „ „	4 „	35 „ „ „	0 „
20 „ „ „	0 „	40 „ „ „	0 „
25 „ „ „	0 „	The highert gust 24 knots on 12 & 27th	

PRINTED IN ARAB REPUBLIC OF EGYPT
BY THE GENERAL ORGANIZATION
FOR GOVT. PRINTING OFFICES. CAIRO
First Under-Secretary of State
ALY SULTAN ALY
Chairman of the Board of Directors

879-1971-150

THE ARAB REPUBLIC OF EGYPT

MONTHLY WEATHER REPORT

VOLUME 6 NUMBER 9

SEPTEMBER, 1963

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

THE EGYPTIAN METEOROLOGICAL AUTHORITY
CAIRO

CONTENTS

PAGES

General Summary of Weather Conditions 1–3

Su face Da'a

Table A 1.—Monthly Mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Le el . . . . . 4•5

,, A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours . . . . . 6•7

,, A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity . . . . . 8•9

,, A 4.—Maximum and Minimum Air Temperatures . . . . . 10•11

,, A 5.—Rainfall and Snow Depth . . . . . 12•13

,, A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 14

,, A 7.—Soil Temperatures at Fixed Hours 15–18

,, A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena 19–20

,, A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges 21–23

,, A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 24–48

Upper Air Data

Table B 1.—Upper Air Climatological Data. 49–51

,, B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air . . . . . 52•53

,, B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces 54–59

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 tables, please refer to Volume 6, Number 1 (January 1963).

GENERAL SUMMARY OF WEATHER CONDITIONS

SEPTEMBER 1963

Generally mild and humid in the north, hot in the middle parts, extremely hot and dry in the south. Scattered light coastal thundery showers. Widespread early morning mist and low stratus most of the month over Cairo area and Lower Egypt districts.

THE MAIN FEATURES

— A general rise in temperature above its normal (2-3°C) most of the month. An excessive heat wave round the end of the month over Upper Egypt and Western Desert districts.

— Small variabilities in relative humidity values round its normal.

— Light thundery showers over western districts during the last week.

— Subnormal oscillatory surface pressure field. One westward oscillation of the monsoon low over Arabia, two southward oscillations of the upper trough over east Europe and two eastward oscillations of the upper trough over west Europe.

— Scattered light sandrising over the Western and Eastern Deserts.

— Widespread early morning mist and low stratus most of the month over Lower Egypt and Cairo area districts.

GENERAL DESCRIPTION OF WEATHER

During this month mild humid weather prevailed in the northern parts where maximum temperature oscillated round 30°C and relative humidity exceeded slightly 65%.

In the middle parts, the weather was changeable and hot. Maximum temperatures ranged between 32 & 38 °C.

The southern parts were characterized by extremely hot and dry weather. Maximum temperatures ranged between 40 & 45°C and relative humidity was below 35% most of the month.

An excessive heat wave prevailed between the 26th & 30th over the middle and southern parts attaining a peak on the 29th yielding maximum temperature of 39°C, 41°C and 47°C in Minya, Asyout and Aswan respectively.

Light showers fell during the last week over few scattered localities from the western part of the Mediterranean district.

Surface winds were occasionally fresh to strong during daylight hours in the first decade over scattered localities of the Western Mediterranean district and Red Sea district causing local sandrising.

Early morning mist and low stratus were predominant phenomena most of the month over Lower Egypt and Cairo area districts.

The monthly mean values of various meteorological elements for different districts and their deviations from their corresponding normal are given in the following table.

District	Atmospheric pressure (mb) Corrected to M.S.L.		Air temperature (°C)						Relative humidity (%)		Total rainfal (mms.)	
			Maximum (A)		Minimum (B)		(A+B)/2					
	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean . . .	1012.0	—1.2	29.7	+0.3	21.4	+0.7	25.6	+0.5	68	— 2	0.2	0.0
Lower Egypt . . .	1011.3	—1.0	32.2	+0.1	19.9	+0.4	26.0	+0.2	68	— 6	0.1	—0.1
Cairo Area	1010.9	—1.2	33.6	+1.3	21.0	+1.5	27.3	+1.4	58	— 4	0.0	—0.1
Upper Egypt . . .	1009.1	—0.9	36.6	+0.7	21.5	+0.6	29.0	+0.6	42	— 6	0.0	0.0
Western Desert . .	1010.7	—1.6	36.1	+0.9	20.5	+0.5	28.3	+0.7	34	— 8	0.0	0.0
Red Sea	1008.6	—0.6	32.8	+0.8	24.5	+0.8	28.6	+0.8	59	+ 1	0.0	0.0

Note : The above monthly district means for atmospheric pressure and relative humidity are computed from the corresponding means for all stations that take daily 24 hourly observations in each district.

PRESSURE DISTRIBUTION

The general features of the flow pattern during this month can be summarized in the following.

— Two oscillatory upper cold troughs at the 700 & 500 mb levels extending vertically up to more than 200 mbs over eastern and western Europe.

— Two complex surface low pressure systems, one over the Arabian Gulf and the other over Central Africa.

— A surface trough of low pressure south Atlas Mountains.

— Subtropical high pressure belt over West Europe & West Mediterranean extending southeastwards towards East Mediterranean and eastwards towards the Black Sea.

During this month the surface pressure over Egypt and the adjacent areas was generally subnormal and oscillatory.

On the 4th, the complex surface low pressure system over the Arabian Gulf oscillated westwards while the upper trough over Eastern Europe elongated southwards towards East Mediterranean; consequently the surface pressure was 4 — 6 mbs below its normal recording its minimum value for the whole month over Egypt. In the mean time, cyclogenesis took place over west Italy where a complex low pressure system appeard. It was associated with a moderate cold front which moved slowly eastwards and passed East Mediterranean on the 8th.

Round the 11th, a shallow upper trough of low pressure developed over West Europe at the 700 & 500 mb levels and proceeded southeastwards over central Mediterranean. It rapidly filled up on the 12th due to marked deepening in the main upper northern trough.

In the period between the 15th & 24th, the deep northern upper low over Russia showed a marked southward oscillation towards East Mediterranean where an upper secondary low appeared between the 700 & 300 mb levels. This secondary upper low deepened twice on the 18th and on the 24th. Round the 25th it considerably filled due to marked advection of warm air in the upper layers and the mean sea level pressure attained its maximum value for the whole month over Egypt and adjactent areas (2-5 mbs above normal).

In the mean time, the upper trough over West Europe started to move slowly eastwards reaching central Mediterranean round the 28th, then retrograded westwards with slight deepening on the 29th while an upper ridge was building over East Mediterranean.

In the upper tropospheric charts, the subtropical jet stream was evident round 126 mb level oscillating between latitudes 20 & 35°N.

In particular, the polar jet stream was evident only north of latitude 32°N in assosiation with the oscillations of the upper cold troughs over East and West Europe towards East Mediterranean in the 2nd & 3rd decades.

The highest wind speeds recorded during this month at Mersa Matruh, Helwan and Aswan were 118, 133 and 89 Knots blowing from a WSW direction on the 30th, 16th and 22nd respectively.

SURFACE WIND

The prevailing winds this month were light to moderate N/NW.

Fresh winds blew infrequently during two short periods (2nd — 4th) & (9th — 11th) over scattered localities in the Western Mediterranean district, Cairo area, Upper Egypt and Red Sea districts. Calms were generally frequent over some localities in Lower Egypt, Cairo area, Western Desert and Upper Egypt districts during night and early morning.

No gales were reported during this month.

TEMPERATURE

Maximum temperature oscillated slightly above its normal in general over the Mediteranean district and its values ranged between 27° & 33°C. In the inland districts it oscillated slightly round its normal in the first two decades ranging between 31° & 36°C in the central regions and between 39° & 42°C in the southern regions. In the last decade, maximum temperature was much above normal.

Two marked peaks occurred round the 21st and the 29th, the 2nd of which yielded excessive maximum temperature (46.7°C) at Aswan.

The absolute maximum temperature was 46.7°C reported at Aswan on the 29th.

Minimum temperature widely oscillated round its normal in the northern districts during the whole month, ranging between 15° & 26°C.

In the central districts, it widely oscillated above its normal ranging between 17°C & 23°C.

In the southern districts, it slightly oscillated below normal during the first and second decades ranging between 21°C & 25°C.

In the 3rd decade, it markedly oscillated above normal ranging between 23°C & 30°C.

The absolute minimum temperature was 14.1°C reported at Dabaa on the 27th.

PRECIPITATION

Apart from light rain over few scattered localities in the Mediterranean and Lower Egypt districts, this month is almost rainless.

The absolute daily rainfall was 19.8 mms over Ras El Hikma on the 23rd.

The absolute monthly value was 20.1 mms over Ras El Hikma.

MISCELLANEOUS WEATHER PHENOMENA

Rain fell at: Sallum on the 30th, Sidi Barrani on the 30th & 31st ; Ras El Hikma on the 23rd & 24th ; Damanhour on the 23rd ; Abu Sueir on the 29th and at Wadi El Natrun on the 22nd.

Mist patches developed at : Sallum on the 8th ; Dekheila on the 30th ; Alexandria on the 1st, 5th & 30th ; Ghazza on the 27th & 28th ; Tahrir on the 1st, 2nd, 4th, 9th, 10th, 12th, 20th, 23rd & 29th ; Shebin El Kom on the 7th & 8th ; Abu Sueir on the 1st, 2nd, 3rd, (5th-11th), (16th-19th), 22nd, 23rd, 28th & 30th ; Banha on the 7th & 8th ; Zaher on the 1st, 5th, 8th, 23rd & 25th ; Inshas on the 7th, 10th, 17th, & 23rd ; Kabrit on the 5th, 10th & 25th ; Cairo on the 1st, 2nd, 4th, 7th, 11th, 14th, 16th, 22nd & 24th ; Mostafa Helmi on the 1st, 2nd, 4th, 8th, (14th — 19th), 22nd, 23rd, 24th, 28th, 29th & 30th ; Almaza on the 1st, 2nd, 4th, 5th, 7th, 8th, 10th, 11th, (14th—17th), 19th, (22nd — 25th) & 28th ; Abbasiya on the 4th, 8th, 9th & 10th ; Imbaba on the 1st, 2nd, (4th — 7th), 9th, 10th, 13th, 15th, (22nd — 25th) & 30th ; Giza on the 5th, 8th, & 23rd ; Beni Suef on the 18th ; Asyout and Siwa on the 9th ; Tor on the 30th and at Quseir on the 23rd.

Fog patches developed at : Alexandria on the 6th ; Tahrir on the (5th — 8th) ; Zaher on the 6th, 8th ; Wadi El Natrun on the 5th, 6th, 8th & 9th ; Cairo on the 8th, 9th & 10th ; Mostafa Helmi on the 5th, 6th, 7th, 9th & 10th; Almaza on the 9th; Imbaba on the 8th ; and at Giza on the 6th.

Sand or dustsorms blew over : Sidi Barrani and Mersa Matruh on the 20th.

Chairman (M. F. TAHA)

Board of Directors

Cairo, June 1972

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

SEPTEMBER 1963

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	1012.1	—	1012.5	— 0.9	1012.3	— 0.5	1012.4	— 0.8	5.2	1012.6	—	1013.1	— 0.9	1012.8	— 0.6	1012.9	— 0.9
	Sidi Barrani	22.8	1009.6	— 1.0	1010.3	— 0.7	1009.6	— 1.3	1010.1	— 0.8	24.0	1012.2	— 1.1	1012.9	— 0.6	1012.2	— 1.3	1012.7	— 0.8
	El Kasr	5.5	1012.2	—	1012.6	—	1012.4	—	1012.8	—	5.5	1012.8	—	1013.2	—	1013.0	—	1013.4	—
	Mersa Matruh (A)	30.0	1008.8	— 1.0	1009.1	— 0.9	1009.0	— 0.8	1009.5	— 0.6	30.0	1012.7	— 1.0	1012.8	— 0.9	1012.7	— 0.8	1013.2	— 0.6
	Ras El Hikma	45.8	1006.7	—	1007.4	—	1007.1	—	1007.2	—	45.8	1012.1	—	1012.8	—	1012.4	—	1012.6	—
	Dabaa	18.0	1009.2	—	1009.9	—	1009.6	—	1010.0	—	17.8	1011.2	—	1011.9	—	1011.6	—	1012.0	—
	Dekheila (A)	6.0	1011.0	—	1011.5	—	1011.3	—	1011.6	—	5.9	1011.7	—	1012.2	—	1012.0	—	1012.3	—
	Ras El Teen	8.4	1010.6	—	1011.1	—	1010.8	—	1011.0	—	8.4	1011.6	—	1012.1	—	1011.8	—	1012.0	—
	Alexandria (A)	7.0	1010.7	— 0.7	1011.2	— 0.7	1010.9	— 0.7	1011.3	— 0.6	6.8	1011.5	— 0.7	1012.0	— 0.7	1011.7	— 0.7	1012.1	— 0.6
	Rosetta	3.4	1010.2	—	1011.1	—	1010.6	—	1011.2	—	3.4	1010.6	—	1011.5	—	1011.0	—	1011.3	—
	Balteam	2.0	1010.8	—	1011.4	—	1011.0	—	1011.3	—	2.0	1011.0	—	1011.6	—	1011.2	—	1011.5	—
	Damietta	5.1	1010.8	—	1011.5	— 0.8	1011.0	— 0.5	1011.5	— 0.3	5.1	1011.2	—	1011.9	— 0.8	1011.4	— 0.5	1011.9	— 0.3
	Port Said (A)	7.4	1009.9	— 0.9	1010.7	— 0.7	1010.1	— 0.7	1010.6	— 0.5	6.1	1010.6	— 0.9	1011.4	— 0.7	1010.8	— 0.7	1011.3	— 0.5
	El Arish	17.1	1009.6	— 0.3	1009.8	— 1.3	1009.6	— 1.2	1009.6	— 1.0	17.1	1010.9	— 0.3	1011.7	— 1.3	1010.9	— 1.2	1011.5	— 1.0
	Ghazza	15.7	1008.8	—	1009.7	—	1008.6	—	1009.5	—	15.7	1010.6	—	1011.5	—	1010.4	—	1011.1	—
Lower Egypt	Mansoura	4.0	1011.1	—	1011.7	— 0.6	1010.8	— 0.2	1011.4	— 0.5	3.6	1011.5	—	1012.1	— 0.6	1011.2	— 0.2	1011.8	— 0.5
	Damanhour	6.7	1011.3	—	1011.6	— 1.1	1011.2	— 0.7	1011.8	— 0.5	6.7	1011.8	—	1012.1	— 1.1	1012.1	— 0.7	1012.3	— 0.5
	Tanta	14.8	1009.2	—	1009.7	— 2.0	1008.6	— 2.0	1009.7	— 1.5	14.8	1010.4	—	1010.9	— 2.0	1009.8	— 2.0	1010.9	— 1.5
	Tahrir	16.0	1009.1	—	1009.7	—	1008.2	—	1009.6	—	18.6	1011.3	—	1011.9	—	1010.3	—	1011.8	—
	Shebin El Kom	10.0	1009.3	—	1010.1	— 1.3	1008.8	— 1.4	1009.6	— 1.2	17.9	1010.8	—	1011.6	— 1.3	1010.3	— 1.4	1011.1	— 1.2
	Zagazig	10.0	1009.9	—	1010.6	— 1.0	1009.2	— 1.1	1010.3	— 1.2	10.0	1011.1	—	1011.8	— 1.0	1010.4	— 1.1	1011.5	— 1.2
	Abu Sueir (A)	16.0	1009.5	—	1010.2	—	1008.3	—	1009.9	—	16.0	1011.3	—	1012.0	—	1010.1	—	1011.7	—
	Banha	14.9	1010.1	—	1010.2	—	1009.1	—	1010.3	—	14.9	1011.9	—	1012.0	—	1010.8	—	1012.3	—
	Zaher (A)	23.5	1006.6	—	1007.1	—	1005.9	—	1006.7	—	23.3	1010.2	—	1010.7	—	1009.3	—	1010.2	—
	Wadi El Natrun	0.9	1012.0	—	1012.6	+ 0.1	1011.0	+ 0.4	1012.3	+ 0.5	0.9	1012.1	—	1012.7	+ 0.1	1011.1	+ 0.4	1012.4	+ 0.5
	Inshas (A)	25.5	1006.8	—	1007.5	—	1005.9	—	1007.1	—	25.6	1009.8	—	1010.5	—	1008.9	—	1010.1	—
	Fayed (A)	35.0	1009.1	—	1009.9	—	1007.9	—	1009.5	—	35.0	1011.6	—	1012.3	—	1010.3	—	1011.9	—
	Kabrit (A)	4.9	1009.9	—	1010.4	—	1008.4	—	1009.5	—	48.5	1011.2	—	1011.7	—	1009.7	—	1010.8	—
Cairo Area	Cairo (A)	74.5	1003.5	— 1.5	1004.3	— 1.2	1002.6	— 1.6	1003.8	— 1.2	74.0	1011.1	— 1.4	1011.8	— 1.3	1009.9	— 1.6	1011.2	— 1.2
	Mostafa Helmi (A)	164.0	992.6	—	992.9	—	992.1	—	992.7	—	164.0	1011.4	—	1011.7	—	1010.4	—	1011.4	—
	Almaza (A)	78.5	1001.8	— 1.3	1002.4	— 1.6	1000.7	— 1.6	1001.8	— 1.2	78.6	1010.8	— 1.4	1011.4	— 1.6	1009.5	— 1.6	1010.8	— 1.2
	Abbasiya (H.Q.)	26.4	1008.3	—	1008.9	—	1007.2	—	1008.5	—	26.4	1011.9	—	1012.5	—	1010.7	—	1012.1	—
	Imbaba (A)	19.0	1008.8	—	1009.4	—	1007.8	—	1008.9	—	19.0	1010.9	—	1011.5	—	1009.9	—	1011.0	—
	Giza	22.5	1008.6	—	1009.0	— 1.0	1007.5	— 1.1	1008.5	— 0.9	22.5	1011.4	—	1011.7	— 1.1	1010.1	— 1.2	1011.1	— 1.0
	Helwan	140.7	994.7	—	995.3	— 1.2	993.8	— 1.3	991.6	— 1.5	140.7	1011.2	—	1011.7	— 1.3	1009.7	— 1.4	1011.0	— 1.3

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

SEPTEMBER 1963

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	23.3	1008.1	—	1008.9	—0.7	1007.1	—0.5	1005.0	—0.2	23.3	1011.0	—	1011.8	—0.7	1009.9	—0.5	1010.9	—0.2
	Beni Suef	39.1	1006.9	—	1008.0	—0.7	1006.1	—0.7	1005.5	—0.9	39.1	1010.3	—	1011.4	—0.7	1009.3	—0.8	1009.9	—0.9
	Minya (A)	49.0	1005.1	—1.4	1005.5	—2.0	1004.6	—1.6	1004.6	—1.6	49.0	1009.8	—1.4	1010.4	—1.8	1009.0	—1.7	1009.3	—1.6
	Asyout (Mangabad) (A)	69.6	1001.8	—0.4	1003.1	—0.8	1001.2	—0.5	1001.7	—0.6	69.5	1009.9	—0.4	1011.2	—0.7	1009.0	—0.5	1009.7	—0.5
	Nag Hammadi	70.5	1000.8	—	1002.3	—0.7	1000.1	—0.7	1000.8	—0.4	70.5	1008.9	—	1010.3	—0.7	1007.8	—0.8	1008.7	—0.5
	Kena	74.2	999.9	—	1001.6	—0.3	999.6	0.0	999.9	0.0	74.2	1008.4	—	1010.0	—0.3	1007.8	0.0	1008.2	—0.1
	Luxor (A)	88.5	997.7	—1.1	999.1	—1.2	997.2	—0.9	997.3	—0.8	88.5	1007.8	—1.1	1009.1	—1.2	1006.9	—1.0	1007.3	—1.2
	Kom Ombo	102.6	99 .0	—	996.9	—	994.3	—	994.8	—	102.6	1006.8	—	1008.2	—	1005.6	—	1006.3	—
	Aswan (A)	200.0	985.0	—	986.3	—1.1	984.3	—1.1	984.7	—1.2	200.0	1007.8	—	1008.9	—1.3	1005.0	—1.3	1007.0	—1.3
Western Desert	Siwa	—13.5	1013.8	—1.3	1014.9	—1.2	1013.5	—1.0	1013.1	—1.0	—13.3	1012.1	—1.3	1013.3	—1.1	1011.9	—1.0	1011.5	—1.0
	Bahariya	129.5	996.2	—	997.1	—2.0	995.6	—2.0	995.7	—2.4	129.5	1011.4	—	1012.2	—2.0	1010.2	—2.1	1010.4	—2.6
	Farafra	91.8	1001.7	—	1002.6	—0.8	1001.1	—1.0	1001.7	—0.5	92.1	1012.4	—	1013.2	—0.9	1011.5	—1.0	1012.2	—0.6
	Dakhla	111.5	995.4	—	996.8	—1.8	995.1	—1.3	995.2	—2.0	111.5	1008.3	—	1009.6	—1.8	1007.3	—1.5	1007.7	—2.1
	Kharga	72.8	1001.3	—	1002.5	—1.1	1000.6	—1.3	1001.1	—1.2	73.0	1009.5	—	1010.6	—1.3	1008.4	—1.4	1009.1	—1.2
Red Sea	Suez	11.0	1009.8	—	1010.3	—1.1	1008.7	—1.5	1009.6	—0.7	12.2	1011.0	—	1011.5	—1.1	1009.9	—1.5	1010.8	—0.7
	Abu Redes	4.0	1007.5	—	1008.5	—	1007.3	—	1007.7	—	4.0	1007.9	—	1008.9	—	1007.7	—	1008.1	—
	Tor	4.2	1006.9	+ 0.4	1008.3	—0.9	1006.8	—1.2	1007.0	—0.9	4.2	1007.3	+0.4	1008.7	—0.9	1007.2	—1.2	1007.4	—0.9
	Hurghada	2.8	1007.6	—	1008.9	+0.1	1006.9	—0.2	1007.6	+0.2	2.8	1007.8	—	1009.1	+0.1	1007.1	—0.2	1007.8	+0.2
	Quseir	11.3	1006.6	—	1008.1	—0.2	1006.7	—0.9	1006.9	—0.6	9.5	1007.6	—	1009.1	—0.3	1007.7	—0.9	1007.9	—0.6
	Abul Kizan	5.0	1007.5	—	1007.7	—	1006.9	—	1007.1	—	5.0	1008.0	—	1008.3	—	1007.5	—	1007.7	—

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

SEPTEMBER 1963

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	22.7	—	24.1	−1.1	28.1	−0.2	25.3	+0.1	19.8	—	20.6	−0.2	21.7	−0.[illegible]	21.2	−0.2	75	—	72	— 6	55	— 3	68	— 2
	Sidi Barrni	22.5	−0.1	24.3	−0.4	27.6	+0.1	24.8	−0.1	19.2	− 0.8	20.3	−0.7	22.0	−0.6	21.0	−0.5	72	— 5	68	— 2	59	— 5	69	— 4
	El Kasr	22.3	—	25.4	—	28.1	—	24.7	—	19.4	—	20.8	—	22.1	—	20.9	—	75	—	65	—	57	—	69	—
	Mersa Matruh (A)	22.2	+0.8	24.7	−0.2	27.7	+0.1	24.6	0.0	19.3	+ 0.2	20.4	−1.0	21.5	−0.9	20.6	−0.8	75	— 4	66	— 6	56	— 8	68	— 6
	Ras El Hikma	23.7	—	24.7	—	26.4	—	24.5	—	20.1	—	21.0	—	21.7	—	20.9	—	73	—	70	—	65	—	71	—
	Dabaa	21.7	—	24.6	−0.8	27.7	−0.2	24.7	0.0	19.1	—	20.6	−0.7	21.6	−0.6	20.9	+0.1	77	—	68	0	56	— 3	69	0
	Dekheila (A)	24.0	—	25.4	—	28.9	—	25.3	—	20.8	—	21.3	—	22.7	—	21.6	—	74	—	68	—	57	—	71	—
	Ras El Ten	25.1	—	25.7	—	27.0	—	25.9	—	21.7	—	21.9	—	22.5	—	22.3	—	73	—	70	—	66	—	72	—
	Alexandria (A)	23.3	+ 0.[illegible]	25.9	+0.8	29.6	+0.9	25.3	+0.7	20.8	+ 0.2	22.2	+0.1	23.0	+0.3	21.5	+0.1	79	— 3	65	— 4	55	— 3	70	— 4
	Rosetta	22.5	—	22.4	—	28.7	—	24.5	—	20.2	—	21.7	—	22.5	—	21·3	—	80	—	69	—	57	—	74	—
	Balteam	25.1	—	27.2	—	29.6	—	25.5	—	21.1	—	22.2	—	23.0	—	22.0	—	69	—	63	—	55	—	65	—
	Damietta	22.3	—	25.2	−0.9	30.5	+2.7	24.5	−0.1	20.7	—	22.1	−0.3	23.8	+1.2	21.7	−0.3	86	—	75	+ 3	54	— 8	77	0
	Port Said (A)	25.6	+ 0.5	2[illegible].6	+0.[illegible]	29.1	+0.8	26.5	+0.4	22.2	+0.2	22.6	+0.2	23.5	+0.4	22.5	−0.1	73	— 2	69	— 1	60	— 3	69	— 4
	El Arish	24.1	+ 1.2	27.3	+0.3	30.2	+2.0	26.6	+1.0	21.8	+1.1	23.5	+0.9	24.5	+1.0	23.2	+1.0	81	0	71	+ 4	61	— 5	74	+ 1
	Ghazza	24.0	—	26.8	—	28.3	—	26.9	—	21.5	—	22.7	—	24.0	—	23.4	—	79	—	69	—	69	—	73	—
Lower Egypt	El Sirw	20.8	—	23.3	+0.3	29.7	+0.5	24.7	−0.1	—	—	22.9	+0.2	23.3	−0.7	22.2	−0.2	—	—	73	— 1	56	— 7	80	0
	Sakha	19.9	—	24.4	−0.5	31.2	+0.1	23.7	+0.2	—	—	22.3	0.0	23.8	−0.2	21.2	−0.2	—	—	83	+ 5	51	— 2	79	— 3
	Mansoura	19.8	—	25.0	+0.2	31.5	−0.1	23.3	−1.1	19.0	—	22.3	[illegible]	22.8	0.0	20.7	−0.5	92	—	78	+ 4	44	0	78	+ 4
	Damanhour	21.0	—	23.2	−1.7	30.0	0.0	23.2	−0.8	19.9	—	21.3	−0.6	23.1	+0.3	21.0	−0.4	90	—	72	— 4	51	— 1	81	+ 2
	Tanta	20.9	—	24.4	+0.2	32.8	+1.2	24.6	+1.0	19.9	—	21.9	+0.2	24.0	+1.0	21.7	+0.9	91	—	80	0	45	0	77	0
	Tahrir	21.8	—	24.7	—	32.1	—	25.4	—	20.1	—	21.5	—	21.8	—	21.2	—	85	—	74	—	37	—	67	—
	Shebin El Kom	20.5	—	23.8	−0.4	31.9	−0.3	24.7	−0.3	19.7	—	21.8	+0.7	23.9	+1.1	21.7	+0.7	93	—	83	+ 8	49	— 8	76	+ 8
	Zagazig	20.5	—	21.0	−1.2	31.3	−0.4	23.7	−0.6	18.8	—	21.3	[illegible]	22.7	−1.0	20.7	−0.6	84	—	78	0	45	— 4	75	— 1
	Abu Sueir (A)	22.8	—	25.6	—	33.2	—	25.8	—	19.9	—	21.9	—	22.1	—	21.8	—	75	—	71	—	34	—	63	—
	Banha	21.7	—	23.2	—	31.6	—	25.3	—	19.8	—	20.8	—	22.3	—	21.[illegible]	—	83	—	80	—	44	—	67	—
	Zaher (A)	21.8	—	24.1	—	32.4	—	25.7	—	20.0	—	21.0	—	22.3	—	21.3	—	84	—	75	—	39	—	66	—
	Wadi El Natrun	21.8	—	24.3	−0.1	33.4	+0.4	26.3	−1.0	18.6	—	20.4	−0.8	21.2	−1.2	20.4	−1.3	72	—	69	— 5	29	— 8	56	— 3
	Inshas (A)	21.5	—	23.9	—	32.0	—	25.6	—	19.8	—	21.2	—	22.2	—	21.2	—	85	—	78	—	39	—	66	—
	Fayed (A)	23.3	—	25.6	—	33.5	—	27.1	—	20.4	—	21.9	—	22.3	—	21.9	—	76	—	71	—	34	—	61	—
	Kabrit (A)	23.6	—	25.0	—	32.9	—	27.3	—	21.5	—	22.1	—	23.6	—	22.6	—	80	—	77	—	43	—	65	—

Table A2 (*contd*).—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES AND THE RELATIVE HUMIDITY AT FIXED HOURS

SEPTEMBER 1963

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
Cairo Area	Cairo . . . . . (A)	22.8	+0.9	24.0	+0.4	32.3	+0.9	27.2	+0.5	20.4	+0.6	21.1	+0.7	21.5	+0.1	21.1	+0.5	79	— 2	76	+ 2	34	— 3	56	0
	Mostafa Helmi . . (A)	21.6	—	23.3	—	31.2	—	2[illegible].0	—	19.8	—	20.6	—	21.2	—	20.[illegible]	—	84	—	78	—	37	—	59	—
	Almaza . . . . . (A)	22.7	+0.4	24.6	+1.2	32.6	+1.3	27.1	+0.1	19.7	—0.5	20.1	—0.4	21.8	—0.2	20.7	—0.3	74	— 8	64	—12	35	— 6	54	— 2
	Abbasiya. . . (H.Q.)	22.9	—	25.1	—	32.9	—	27.1	—	20.7	—	22.[illegible]	—	22.6	—	22.0	—	81	—	79	—	38	—	62	—
	Imbaba . . . . . (A)	21.6	—	24.6	—	32.1	—	25.9	—	19.6	—	21.6	—	22.8	—	21.0	—	82	—	72	—	41	—	63	—
	Giza	22.1	—	24.1	—1.0	32.1	+0.6	27.0	+1.5	20.0	—	21.3	+0.1	21.7	—0.4	21.0	+0.3	82	—	75	— 4	37	— 4	56	— 7
	Helwan	22.8	—	24.7	+1.2	32.8	+1.3	27.5	+0.3	20.1	—	20.7	+1.0	21.0	+0.8	20.4	+0.9	77	—	68	— 1	39	— 1	49	+ 2
Upper Egypt	Fayoum	22.6	—	24.8	+0.6	33.9	+1.7	27.9	+1.3	19.7	—	21.1	+0.5	21.8	+0.7	20.4	+0.3	75	—	70	0	30	— 2	47	— 5
	Beni Suef	23.4	—	24.3	—1.0	33.5	—0.8	27.5	+0.8	19.6	—	20.6	—0.5	22.7	+0.8	20.7	+0.6	69	—	70	+ 3	36	+ 6	52	0
	Minya . . . . . (A)	22.1	+0.9	24.1	+0.4	33.3	+0.3	2[illegible].1	+1.0	19.1	+1.1	21.0	+0.8	22.6	+0.8	20.6	+1.2	74	+ 2	75	+ 3	3[illegible]	+ 2	58	+ 1
	Mallawi	20.6	—	22.[illegible]	—	33.1	—	2[illegible].1	—	—	—	21.4	—	23.0	—	21.2	—	—	—	88	—	44	—	76	—
	Asyout (Mangabad) (A)	24.4	+0.9	24.5	+0.2	34.7	+0.3	29.2	+0.7	17.8	+0.1	19.6	+0.4	20.6	+0.2	19.5	0.0	49	— 3	61	+ 1	22	— 1	36	+ 1
	Shandaweel	21.3	—	26.0	—0.1	34.9	+1.7	27.6	+0.8	—	—	21.3	+0.4	23.0	—0.1	21.[illegible]	+0.2	—	—	64	+ 1	33	— 7	57	— 3
	Nag Hammadi . . .	24.3	—	24.5	—2.2	36.0	+1.9	28.3	+1.2	—	—	20.8	+0.2	24.4	+1.7	21.7	+1.1	—	—	70	+12	35	+ 1	54	+ 1
	Kena	27.4	—	28.9	+1.4	37.5	+0.7	31.2	+1.2	—	—	21.4	+0.7	24.8	+1.6	20.9	+0.5	—	—	48	— 4	33	+ 5	35	— 2
	Luxor . . . . . (A)	26.2	+1.0	29.2	+0.2	38.1	+0.5	31.5	+1.4	17.9	+0.5	20.2	+0.1	21.8	—0.3	20.6	+0.3	41	+ 8	40	— 4	18	— 7	33	— 1
	Kom Ombo	25.9	—	29.1	—	40.4	—	30.6	—	16.5	—	19.2	—	20.9	—	18.0	—	34	—	35	—	10	—	23	—
	Aswan . . . . . (A)	27.2	—	29.7	+0.9	39.6	+1.1	33.8	—0.2	15.9	—	17.8	—1.3	20.0	—2.1	18.0	—2.2	25	—	25	—11	10	— 9	14	— 9
Western	Siwa	23.4	+0.2	23.8	+0.5	33.8	+0.1	29.6	+0.3	18.1	+0.2	19.2	+0.2	20.6	—0.1	18.6	—0.4	58	+ 1	63	— 2	25	— 1	30	— 3
	Bahariya	23.4	—	24.1	+0.3	34.2	+1.6	29.2	+2.0	18.4	—	19.5	0.4	21.2	—0.6	19.3	—0.3	59	—	63	— 5	27	— 8	35	—10
	Farafra	23.3	—	24.3	—0.6	34.3	+0.3	28.5	+0.7	15.4	—	17.5	—1.5	19.7	—1.6	17.1	—1.2	38	—	48	— 7	20	— 8	25	—10
	Dakhla	24.0	—	26.7	+0.4	35.8	+1.4	29.6	0.0	15.2	—	17.6	—0.4	19.8	—0.4	18.1	+0.1	33	—	37	— 4	16	— 6	27	0
	Kharga	24.0	—	27.4	+0.5	37.7	+2.1	30.1	—0.3	16.7	—	19.4	—0.4	22.0	—0.3	19.0	—0.5	44	—	43	— 5	20	— 8	30	— 2
Red Sea	Suez	23.2	—	25.8	+1.0	33.7	+1.5	28.2	+1.2	—	—	22.8	+1.5	23.9	+1.6	23.1	+1.7	—	—	76	+ 4	41	+ 2	63	+ 4
	Abu Redes	27.5	—	28.9	—	31.5	—	29.9	—	23.0	—	23.0	—	25.0	—	24.0	—	67	—	59	—	57	—	59	—
	Tor	29.1	—	27.8	+0.5	30.6	+0.9	29.6	+0.5	22.4	—	22.7	—0.3	24.4	—0.2	23.1	—0.5	72	—	63	— 5	58	— 5	55	— 6
	Hurghada	26.0	+0.4	28.3	+1.2	31.8	+2.3	29.1	+0.9	19.3	—0.4	21.6	—0.3	24.5	+0.1	21.6	—0.2	50	— 6	53	— 9	53	—11	49	— 6
	Quseir	27.1	—	29.9	+0.4	31.1	+0.3	28.7	+0.1	19.5	—	22.3	0.0	24.7	—0.2	22.8	+0.2	45	—	49	— 2	57	— 3	58	0
	Abul Kizan	—	—	30.7	+0.4	30.6	—0.2	29.5	+0.4	—	—	26.6	+0.1	26.9	+0.1	26.7	+0.3	—	—	71	— 2	74	+ 1	79	— 1

Table A3.—MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

SEPTEMBER 1963

District	Station	Atmospheric pressure (mb.)				Air temperature (°C)										Relative humidity %		
						Maximum (A)		Minimum (B)		Dry bulb			Wet bulb					
		Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal	Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal	Mean	Dev. from normal	Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal	Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal	Derivation of the mean values a,b,c,d,e	Mean	Dev. from normal
Mediterranean	Salum	a	1012.[illegible]	[illegible]	a	[illegible]	[illegible]	21.9	+1.2	25.2	a	25.1	+0.5	a	20.8	a	65	— 2
	Sidi Barrani	a	[illegible]	[illegible]	a	[illegible]	−1.1	[illegible]	+0.[illegible]	24.5	a	24.8	+0.3	a	20.6	a	67	— 3
	El Kasr	a	[illegible]	[illegible]	a	[illegible]	[illegible]	[illegible]	[illegible]	24.9	a	24.9	[illegible]	a	24.7	a	67	—
	Mersa Matruh (A)	a	[illegible]	[illegible]	a	[illegible]	[illegible]	20.6	+0.[illegible]	24.8	a	25.0	+0.4	a	20.2	a	62	— 9
	Ras El Tikinas	a	[illegible]	[illegible]	a	[illegible]	[illegible]	22.6	—	24.0	a	24.8	—	a	21.0	a	69	—
	Dabaa	a	1010.7	—	1011.7	—	[illegible]	19.1	+0.2	[illegible]	a	24.5	0.0	a	20.5	a	68	0
	Dekheila (A)	a	[illegible]	[illegible]	a	26.3	[illegible]	22.6	—	26.0	a	25.8	—	a	21.4	a	66	—
	Ras El Teen	a	[illegible]	—	1011.9	—	25.4	—	24.6	—	26.0	a	25.9	—	a	22.1	a	70	—
	Alexandria (A)	a	[illegible]	[illegible]	a	[illegible]	+1.2	21.6	+0.3	26.0	a	26.0	+0.[illegible]	a	21.7	a	67	— 1
	Rosetta	a	[illegible]	—	[illegible]	[illegible]	[illegible]	21.4	—	25.9	a	25.9	—	a	21.2	a	69	—
	Balteam	a	[illegible]	—	1011.2	—	29.9	—	23.3	[illegible]	a	27.6	—	a	21.0	a	56	—
	Damietta	a	1011.2	[illegible]	[illegible]	[illegible]	31.0	+1.2	19.8	−0.5	25.4	a	25.4	+0.6	a	21.9	a	72	— 2
	Port Said (A)	a	1010.3	−1.2	1011.0	−1.2	29.9	+0.7	21.6	+0.[illegible]	27.2	a	26.0	+0.7	a	22.[illegible]	a	68	— 2
	El Arish	a	1009.3	−1.1	[illegible]	−1.1	31.2	+1.3	22.3	+1.0	25.8	a	26.8	+1.5	a	23.1	a	72	+ 2
	Ghazza	a	1009.1	—	1010.9	[illegible]	29.3	−0.5	22.0	+2.6	27.6	a	26.2	—	a	22.8	a	73	—
Lower Egypt	El Sirw	—	—	—	—	—	3[illegible].8	+0.4	20.3	+1.3	25.6	c	25.4	+0.7	c	22.4	c	75	— 3
	Sakha	—	—	—	—	—	31.6	+0.4	18.7	+1.0	25.2	c	24.8	−0.5	c	22.5	c	81	+ 1
	Mansoura	a	1011.2	−0.5	1011.6	−0.[illegible]	32.3	−0.5	18.1	−1.4	25.4	a	24.8	−0.3	a	20.9	a	70	— 4
	Damanhour	a	1011.4	−1.3	1011.5	−1.2	30.4	−1.0	19.6	+0.4	25.0	a	24.3	−0.2	a	21.2	a	75	— 3
	Tanta	a	1009.2	−2.0	1010.4	−2.[illegible]	33.4	+0.9	19.7	+2.0	25.6	a	25.6	+1.4	a	21.7	a	70	— 8
	Tahrir	a	1009.1	—	1011.5	—	33.3	—	20.0	—	26.6	a	25.8	—	a	21.0	a	63	—
	Shebin El Kom	a	1009.[illegible]	−1.4	1010.9	−1.1	32.[illegible]	−0.2	19.3	+0.1	25.8	a	25.3	+0.3	a	21.6	a	71	— 1
	Zagazig	a	1009.9	−1.2	1011.1	−1.2	32.0	−0.7	19.4	+1.1	25.7	a	24.9	0.0	a	20.7	a	67	—10
	Abu Sueir (A)	a	1009.4	—	1011.2	—	34.0	—	21.1	—	27.6	a	26.8	—	a	21.4	a	60	—
	Banha	a	1010.[illegible]	—	1010.7	—	32.4	+1.3	20.4	+1.4	26.4	a	25.6	—	a	21.2	a	66	—
	Zaher (A)	a	1010.5	—	1010.1	—	32.6	—	20.6	—	26.6	a	25.9	—	a	21.1	a	64	—
	Wadi El Natrun	a	1011.9	+0.3	1012.0	+0.3	34.2	+0.9	19.1	−0.1	26.8	a	25.4	+0.4	a	20.0	a	53	—13
	Inshas (A)	a	1009.[illegible]	—	1009.8	—	32.5	—	20.2	—	26.4	a	25.8	—	a	21.0	a	63	—
	Fayed (A)	a	1009.0	—	1011.4	—	34.0	—	21.8	—	27.9	a	27.2	—	a	21.5	a	58	—
	Kabrit (A)	a	1009.5	—	1010.8	—	33.9	—	22.1	—	28.0	a	27.3	—	a	22.4	a	65	—
Cairo Area	Cairo (A)	a	1013.5	−1.3	1011.1	−1.1	33.5	+1.1	21.3	[illegible]	27.4	a	26.7	+0.9	a	21.4	a	61	+ 3
	Mostafa Helmi (A)	a	1012.6	—	1011.2	—	32.0	—	20.2	—	26.1	a	25.6	—	a	20.4	a	60	—
	Almaza (A)	a	1011.7	−1.4	1010.7	−1.5	33.3	+1.0	21.3	+1.1	27.3	a	26.6	−0.5	a	20.7	a	57	— 2
	Abbasiya H.Q.	a	1008.2	—	1011.8	—	34.0	—	21.7	—	27.8	a	27.0	—	a	21.7	a	61	—
	Imbaba (A)	a	1008.7	—	1010.8	—	33.3	—	19.2	—	26.2	a	26.2	—	a	21.1	a	61	—
	Giza	a	1008.4	−0.9	1011.0	−1.1	33.5	−1.5	20.5	+2.7	27.0	a	26.4	+1.8	a	21.0	a	59	—12
	Helwan	a	994.8	−0.7	1010.9	−1.1	33.9	+1.5	20.9	+0.8	27.4	a	26.9	+1.2	a	20.5	a	53	— 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

SEPTEMBER 1963

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	1008.0	−0.4	1010.8	−0.5	34.6	+1.3	21.1	+1.4	27.8	a	27.3	+1.7	a	20.7	+0.4	a	53	− 8
	Beni Suef	a	1006.8	−0.8	1010.1	−0.9	34.7	+0.2	20.3	+1.9	27.5	a	27.5	+1.3	a	20.9	0.0	a	53	− 7
	Minya (A)	a	1005.0	−1.7	1009.6	−1.8	34.3	+0.9	19.8	+1.2	27.0	a	26.6	+0.8	a	20.7	−1.5	a	57	+ 1
	Mallawi	—	—	—	—	—	33.7	—	18.3	—	26.0	—	25.0	—	—	22.8	—	—	52	—
	Asyout (Mangabad) (A)	a	1002.0	−0.8	1009.9	−0.8	35.2	−0.1	19.9	−0.3	27.6	a	28.2	+0.5	a	19.4	+0.5	a	40	+ 1
	Shandaweel	—	—	—	—	—	36.5	+2.3	21.1	+0.7	28.8	c	27.4	+0.3	c	22.0	0.0	e	60	− 2
	Nag Hammadi	c	1001.0	−0.7	1008.9	−0.8	37.1	+1.8	21.3	+1.5	29.2	c	28.3	+1.4	c	23.0	+2.1	e	62	+ 6
	Kena	c	1000.4	−0.1	1008.7	−0.2	37.0	−1.3	24.0	−1.6	30.5	c	30.0	+0.8	c	21.1	+0.1	e	42	− 3
	Luxor (A)	a	997.8	−0.8	1007.7	−1.1	39.0	+0.1	22.3	+0.7	30.6	a	31.1	+1.1	a	19.9	+0.4	a	30	− 8
	Kom Ombo	a	995.1	—	1006.7	—	41.2	—	21.9	—	31.6	a	31.2	—	a	18.4	—	a	24	—
	Aswan (A)	a	995.1	−0.7	1007.4	−0.9	40.8	+1.0	24.0	−0.1	32.4	a	32.5	+1.3	a	17.8	−2.2	a	17	−14
Western Desert	Siwa	a	1013.8	−2.0	1012.2	−2.0	35.5	+0.5	19.6	0.0	27.6	a	27.8	+1.4	a	19.0	+0.8	a	39	− 3
	Bahariya	a	996.2	−2.0	1011.1	−2.1	34.8	+0.8	20.5	+1.9	27.6	a	27.7	+2.1	a	19.5	−0.3	a	42	−14
	Farafra	a	1001.8	−0.7	1012.4	−0.7	35.2	+0.2	20.1	+1.0	27.6	a	27.7	+1.3	a	17.5	−0.1	a	32	− 6
	Dakhla	a	995.5	−1.9	1008.2	−1.9	36.6	+0.9	21.1	−0.1	28.8	a	29.0	+1.1	a	17.5	−0.7	a	26	− 9
	Kharga	a	1001.3	−1.3	1009.4	−1.3	38.4	+1.9	21.2	−0.4	29.8	a	29.7	+1.1	a	19.1	−0.7	a	32	− 8
Red Sea	Suez	c	1009.6	−1.0	1010.8	−1.0	35.3	+1.7	21.7	+0.6	28.5	c	27.7	+1.3	c	23.6	+1.6	e	70	+ 4
	Abu Redes	a	1007.5	—	1008.2	—	32.4	—	26.2	—	29.3	a	29.2	—	a	23.7	—	a	61	—
	Tor	a	1007.3	−1.1	1007.7	−1.1	32.3	+0.3	23.7	+1.7	28.0	a	28.2	+1.0	a	23.1	+0.7	a	63	− 1
	Hurghada	a	1007.8	+0.2	1008.0	+0.2	32.7	+2.3	24.0	+0.8	28.4	a	28.4	+0.6	a	21.6	+0.1	a	53	− 2
	Quseir	a	1007.1	−0.7	1008.1	−0.7	31.8	−0.4	25.9	+0.5	28.8	c	27.8	−0.8	a	22.2	+0.2	a	60	+ 6
	Abul Kizan	c	1007.3	—	1007.9	—	32.0	+0.2	27.4	+0.3	29.7	—	—	—	—	—	—	e	75	− 1

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 A 4.—MAXIMUM AND MINIMUM AIR TEMPERATURES

SEPTEMBER 1963

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	31.7	7	26.4	28	30	9	0	0	0	23.4	1,9	17.0	25	0	0	0	0
	Sidi Barrani	33.1	20	25.7	28	30	1	0	0	0	24.7	3	15.6	28	0	0	0	0
	El Kasr	34.1	20	26.4	27	30	5	0	0	0	25.0	10	14.4	28	0	0	0	0
	Mersa Matruh (A)	33.2	20	26.8	27	30	2	0	0	0	24.4	10	14.6	29	0	0	0	0
	Ras El Hikma	28.8	9	25.5	27	30	0	0	0	0	24.6	10	17.8	27	0	0	0	0
	Dabaa	33.4	20	25.9	27	30	4	0	0	0	24.0	17	14.1	27	0	0	0	0
	Dekheila (A)	31.2	9	27.4	26	30	5	0	0	0	25.3	4	16.6	27	0	0	0	0
	Ras El Teen	30.5	20	25.1	26	30	1	0	0	0	26.0	*	22.5	20	0	0	0	0
	Alexandria (A)	32.5	8	28.5	25	30	21	0	0	0	25.3	10	15.5	27	0	0	0	0
	Rosetta	31.9	6	27.2	27	30	10	0	0	0	24.0	10	17.8	27	0	0	0	0
	Balteam	32.0	5,6	28.0	*	30	15	0	0	0	25.4	3,10	20.0	26	0	0	0	0
	Damietta	34.4	6	28.3	26	30	23	0	0	0	23.4	17	19.1	20	0	0	0	0
	Port Said (A)	31.9	6	28.1	27	30	15	0	0	0	25.6	6	22.7	21	0	0	0	0
	El Arish	32.3	5	29.8	19.26	30	27	0	0	0	25.8	11	20.4	21	0	0	0	0
	Ghazza	31.5	28	28.2	27	30	4	0	0	0	24.8	29	20.5	18	0	0	0	0
Lower Egypt	El Sirw	33.0	6,7,8	28.5	26,27,28	30	21	0	0	0	22.0	28,30	17.5	26	0	0	0	0
	Sakha	34.9	6	28.0	25	30	25	0	0	0	20.8	28	16.2	27	0	0	0	0
	Mansoura	34.6	8	29.7	26	30	29	0	0	0	20.5	30	15.3	26	0	0	0	0
	Damanhour	32.8	6	27.9	26	30	16	0	0	0	22.0	10	15.8	26	0	0	0	0
	Tanta	35.0	6	30.9	30	30	30	6	0	0	22.1	4	16.3	26	0	0	0	0
	Tahrir	35.7	9	30.8	25,26	30	30	7	0	0	22.3	4	16.7	27	0	0	0	0
	Shebin El Kom	35.6	8	30.6	30	30	30	1	0	0	21.6	30	17.0	26,27	0	0	0	0
	Zagazig	34.6	9	29.3	26	30	27	0	0	0	21.9	15	16.1	26	0	0	0	0
	Abu Sueir (A)	37.0	8	31.4	26	30	30	8	0	0	23.2	30	18.6	26	0	0	0	0
	Banha	35.2	6	29.8	30	30	29	1	0	0	22.6	15	18.5	26	0	0	0	0
	Zaher (A)	34.9	9	30.4	26	30	30	0	0	0	22.6	15	17.6	26	0	0	0	0
	Wadi El Natrun	37.1	5	31.4	25,26	30	30	10	0	0	22.0	30	16.3	27	0	0	0	0
	Inshas (A)	35.2	9	29.5	30	30	29	1	0	0	22.1	15	16.5	26	0	0	0	0
	Fayed (A)	36.6	7	31.3	19	30	30	8	0	0	24.0	30	18.8	26	0	0	0	0
	Kabrit (A)	37.6	28	31.4	19	30	30	9	0	0	24.3	29	19.9	26	0	0	0	0
Cairo Area	Cairo /A)	36.1	6	30.9	25	30	30	5	0	0	23.1	30	19.0	26	0	0	0	0
	Mostafa Helmi (A)	34.2	2	28.5	29	30	25	0	0	0	22.4	15	17.8	26	0	0	0	0
	Almaza (A)	35.9	28	30.7	25	30	30	2	0	0	22.8	30	19.0	26	0	0	0	0
	Abbasiya (H. Q)	36.0	28	31.8	30	30	30	6	0	0	24.0	15	19.5	26	0	0	0	0
	Imbaba (A)	35.8	9	30.4	30	30	30	3	0	0	22.1	15	16.8	26	0	0	0	0
	Giza	36.0	28	31.1	30	30	30	3	0	0	22.6	15	17.4	26	0	0	0	0
	Helwan	37.0	28	30.4	19	30	30	10	0	0	24.3	30	18.8	19	0	0	0	0

* More than 3 days.

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

SEPTEMBER 1963

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	37.4	28	32.2	25	30	30	12	0	0	23.0	30	18.0	26	0	0	0	0
	Beni Suef	38.5	28	31.9	19	30	30	13	0	0	22.5	30	18.4	26	0	0	0	0
	Minya (A)	39.1	29	31.7	26	30	30	8	0	0	23.0	29	16.7	20	0	0	0	0
	Mallawi	39.5	21	31.0	18,19	30	30	4	0	0	20.5	30	16.0	25	0	0	0	0
	Asyout (Mangabad) (A)	40.6	29	32.3	17	30	30	17	1	0	24.5	29	19.7	28,29	0	0	0	0
	Shandaweel	40.5	21	33.5	17,18	30	30	20	1	0	24.0	29	19.0	20,24,25	0	6	0	0
	Nag Hammadi	41.0	21	34.0	26	30	30	22	1	0	24.1	30	19.0	24	0	0	0	0
	Kena	43.6	39	36.0	23	30	30	30	7	0	24.5	22	19.2	20	0	0	0	0
	Luxor (A)	42.7	29	36.0	23	30	30	30	7	0	24.5	22	19.2	20	0	0	0	0
	Kom Ombo	45.4	29	37.8	24	30	30	30	22	1	27.4	28	19.0	4,20	0	0	0	0
	Aswan (A)	46.7	29	37.3	24	30	30	30	17	1	29.6	28,29	21.8	20	0	0	0	0
Western Desert	Siwa	40.7	20	32.3	17,23	30	30	16	1	0	22.5	2	17.0	28	0	0	0	0
	Bahariya	38.6	20	31.7	18	30	30	15	0	0	23.9	30	16.9	18	0	0	0	0
	Farafra	40.1	20	31.8	17·26	30	30	15	1	0	24.0	30	15.8	19	0	0	0	0
	Dakhla	42.0	30	33.2	17	30	30	21	2	0	26.7	11	16.9	19	0	0	0	0
	Kharga	43.7	30	35.0	25	30	30	29	5	0	30.2	30	16.7	18	0	0	0	
Red Sea	Suez	39.0	28	33.0	18,19	30	30	16	0	0	24.0	29	20.4	3	0	0	0	0
	Abu Redes	35.1	29	29.9	26	30	30	1	0	0	28.1	9	23.3	21	0	0	0	0
	Tor	35.5	6,9	29.7	26	30	30	2	0	0	26.8	8	19.8	17	0	0	0	0
	Hurghada	34.2	2·20·21	31.0	22	30	30	0	0	0	26.7	10	21.1	21	0	0	0	0
	Quseir	35.0	21	30.1	23	30	30	0	0	0	27.7	21	23.8	23	0	0	0	0
	Abul Kizan	33.5	6,7	31.0	26	30	30	0	0	0	29.4	1	25.2	22	0	0	0	0

* More than three days.

Table A 5.—RAINFALL AND SNOW DEPTH

SEPTEMBER 1963

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	0.3	— 0.3	0.3	30	1	1	0	0	0	0	0	0.0	—
	Sidi Barrani	1.8	+ 1.5	1.7	30	0	2	1	0	0	0	0	0.0	—
	El Kasr	trac.	—	trac.	30	1	0	0	0	0	0	0	0.0	—
	Mersa Matruh (A)	trac.	— 0.6	trac.	17,29	2	0	0	0	0	0	0	0.0	—
	Ras El Hikma	20.1	—	19.8	23	0	2	1	1	1	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	—
	Ras El-Teen	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Alexandria (A)	0.0	— 0.6	0.0	—	0	0	0	0	0	0	0	0.0	—
	Rosetta L.H.	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	— 0.1	0.0	—	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	0.0	—
	El Arish	0.0	— 0.4	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	—
	Fuka	1.5	0.0	1.5	24	0	1	1	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	—
	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	—
	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	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Mansoura	0.0	— 0.2	0.0	—	0	0	0	0	0	0	0	0.0	—
	Damanhour	0.3	+ 0.1	0.3	23	0	1	0	0	0	0	0	0.0	—
	Tanta	0.0	— 0.2	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	—
	Shebin El Kom	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Zagazig	0.0	— 0.2	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abu Sueir	0.5	—	0.5	29	0	1	0	0	0	0	0	0.0	—
	Banha (A)	Tr.	+ trac.	Tr.	29	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	+ 0.1	0.8	22	0	1	0	0	0	0	0	0.0	—
	Inshas (A)	Tr.	—	Tr.	29	1	0	0	0	0	0	0	0.0	—
	Fayed (A)	Tr.	—	Tr.	30	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	0.8	—	0.8	23	0	1	0	0	0	0	0	0.0	—
	Tolombat El Boseili	Tr.	+ trac.	Tr.	23	1	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	— 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)	Tr.	+ trac.	Tr.	29	1	0	0	0	0	0	0	0.0	—
	Abbasiya (H.Q.)	Tr.	—	Tr.	29	1	0	0	0	0	0	0	0.0	—
	Imbaba (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Giza	Tr.	— 0.2	Tr.	29,30	2	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

SEPTEMBER 1963

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.	+ Tr.	Tr.	29	1	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	—
	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	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	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	Tr.	+ Tr.	Tr.	30	1	0	0	0	0	0	0	0.0	—
Red Sea	Suez	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abu Redes	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

SEPTEMBER — 1963

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	—	—	—	0.9	—	2.1	—	1.8	—	1.3	—	7.9	—	—	20.7
	Sidi Barrani	—	—	—	—	—	2.3	—	2.0	—	1.2	—	7.1	—	—	—
	El Kasr	—	—	—	—	—	2.5	—	1.7	—	1.3	—	9.5	—	—	—
	Mersa Mtrauh (A)	2[illegible]6.0	371.1	79.8	1.0	—	2.5	—	2.0	—	1.7	—	9.9	—	—	—
	Ras El Hikma	—	—	—	—	—	2.3	—	1.6	—	1.4	—	7.4	—	—	21.6
	Dabaa	—	—	—	—	—	3.1	—	2.7	—	2.4	—	8.3	—	—	—
	Dekheila (A)	—	—	—	1.4	—	2.7	—	1.7	—	2.0	—	5.5	—	—	—
	Ras El Teen	—	—	—	1.8	—	3.1	—	2.4	—	2.2	—	5.6	—	—	—
	Alexandria (A)	305.9	370.8	82.5	2.1	—	3.3	—	2.3	—	2.6	—	5.6	—	—	—
	Rosetta	—	—	—	—	—	1.9	—	1.8	—	0.9	—	5.8	—	—	—
	Balteam	—	—	—	—	—	2.7	—	2.4	—	1.1	—	4.3	—	—	—
	Damietta	—	—	—	—	—	2.0	—	1.6	—	1.1	—	3.9	—	—	—
	Port Said (A)	278.0	370.8	75.0	1.2	—	2.2	—	1.3	—	2.3	—	6.8	52	34	23.7
	El Arish	313.5	372.0	84.3	3.2	—	3.5	—	1.4	—	2.5	—	5.1	—	—	20.9
	Ghazza	308.4	371.1	83.1	3.7	—	2.7	—	1.3	—	2.2	—	4.9	—	—	21.0
Lower Egypt	El Sirw	—	—	—	—	—	0.9	—	1.8	—	0.6	—	4.3	—	—	—
	Sakha	—	—	—	—	—	1.6	—	2.5	—	1.5	—	4.2	—	—	18.6
	Mansoura	—	—	—	—	—	1.0	—	2.2	—	—	—	5.8	—	—	—
	Damanhour	—	—	—	—	—	1.6	—	2.4	—	1.0	—	4.6	—	—	18.2
	Tanta	308.1	370.1	83.2	—	—	1.3	—	1.4	—	0.3	—	5.6	67	45	—
	Tahrir	308.7	370.9	83.3	0.7	—	1.7	—	1.9	—	0.7	—	8.7	—	—	18.9
	Shebin El Kom	—	—	—	—	—	1.3	—	1.0	—	0.5	—	3.7	—	—	—
	Zagazig	—	—	—	—	—	1.4	—	1.7	—	0.5	—	5.7	—	—	—
	Abu Sueir (A)	—	—	—	0.9	—	2.8	—	2.3	—	0.5	—	8.3	72	39	18.0
	Bacha	—	—	—	—	—	1.7	—	1.5	—	0.5	—	5.3	—	—	—
	Zaher (A)	—	—	—	—	—	2.3	—	1.8	—	0.5	—	9.1	—	—	—
	Wadi El Natrun	—	—	—	—	—	1.8	—	1.4	—	0.5	—	13.6	—	—	—
	Ashas (A)	—	—	—	0.5	—	1.9	—	1.2	—	0.6	—	8.7	—	—	—
	Fayed (A)	—	—	—	—	—	2.1	—	1.6	—	0.5	—	12.3	—	—	—
	Kobrit (A)	—	—	—	—	—	2.7	—	1.1	—	0.6	—	11.8	—	—	—
Cairo Area	Cairo (A)	—	—	—	1.4	—	3.0	—	1.3	—	0.6	—	14.3	—	—	—
	Mostafa Helmi (A)	—	—	—	0.7	—	3.4	—	1.4	—	0.5	—	11.1	—	—	—
	Almaza (A)	[illegible]2.9	[illegible]	76.4	1.3	—	3.1	—	1.4	—	0.6	—	9.1	—	—	—
	Abbassia (H.Q.)	295.[illegible]	370.5	79.6	1.1	—	2.8	—	1.5	—	0.5	—	7.2	70	47	—
	Embaba (A)	—	—	—	—	—	2.9	—	1.3	—	0.6	—	7.8	—	—	—
	Giza	[illegible]	[illegible]	8[illegible].6	0.7	—	2.8	—	1.1	—	0.6	—	7.9	—	—	16.3
	Helwan	—	—	—	0.5	—	2.3	—	1.1	—	0.5	—	16.3	—	—	—
Upper Egypt	Fayoum	—	—	—	—	—	1.1	—	0.9	—	0.5	—	9.1	—	—	19.3
	Beni Suef	—	—	—	—	—	1.2	—	0.4	—	0.2	—	8.1	—	—	19.0
	Minya (A)	—	—	—	0.4	—	1.5	—	0.6	—	0.8	—	8.1	—	38	17.6
	Mallawi	—	—	—	—	—	0.7	—	0.4	—	0.8	—	3.0	—	—	16.7
	Assyout (Mangalad) (A)	—	—	—	0.1	—	0.4	—	0.2	—	0.4	—	13.2	—	46	18.4
	Sharaweel	323.4	370.8	87.3	—	—	0.4	—	0.3	—	0.4	—	6.4	—	—	11.3
	Nag Hammadi	—	—	—	—	—	0.0	—	0.0	—	0.0	—	7.6	—	—	20.8
	Kena	—	—	—	—	—	0.2	—	0.1	—	0.2	—	9.3	—	—	22.2
	Luxor (A)	—	—	—	0.0	—	0.4	—	0.5	—	0.3	—	12.9	71	51	—
	Kom Ombo	—	—	—	—	—	0.2	—	0.2	—	0.5	—	15.6	—	—	17.6
	Aswan (A)	—	—	—	0.3	—	0.6	—	0.6	—	0.4	—	22.6	—	—	—
Western Desert	Siwa	—	—	—	0.3	—	0.5	—	0.6	—	0.9	—	13.0	74	—	18.2
	Bahariya	—	—	—	0.3	—	1.5	—	0.8	—	0.6	—	8.0	57	39	19.4
	Farafra	—	—	—	—	—	0.6	—	0.8	—	0.4	—	16.9	56	41	19.2
	Dakhla	—	—	—	0.3	—	0.4	—	0.6	—	0.7	—	18.2	60	43	17.2
	Khaga	—	—	—	0.2	—	0.4	—	0.6	—	0.5	—	14.4	—	—	20.6
Red Sea	Suez	—	—	—	—	—	1.7	—	0.8	—	0.4	—	10.4	—	—	—
	Abu Redes	331.4	370.4	89.5	—	—	0.4	—	0.5	—	0.5	—	9.0	—	—	—
	Tor	—	—	—	0.1	—	0.5	—	0.8	—	0.3	—	7.7	—		—
	Hurghada	—	—	—	0.1	—	0.3	—	0.4	—	0.3	—	18.5	—		—
	Quseir	—	—	—	0.2	—	0.3	—	0.2	—	0.2	—	4.7	—		—
	Abul Kizan	—	—	—	—	—	0.8	—	1.0	—	0.6	—	5.1	—		—

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

SEPTEMBER 1963

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	Sidi Barrani	5	—	—	—	—	—	24.6	27.0	5,19	20.2	28	34.4	36.5	4	30.0	30	29.3	31.4	1	25.6	28
		10	—	—	—	—	—	25.8	28.0	5	22.8	28	31.3	32.9	4	28.0	30	31.2	33.0	4	28.4	26
		20	—	—	—	—	—	28.2	29.5	2,15	26.0	28,29	28.4	29.7	4	26.2	28,29	29.5	30.6	2,4,6	27.5	29,30
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Marsa Matruh (A)	5	26.1	29.1	4	23.1	30	25.0	30.0	3	21.5	25	36.8	41.0	4	32.0	24	30.7	34.1	4	26.4	24
		10	27.7	30.0	4	24.1	26	26.1	33.0	3	23.0	25,26	32.6	35.0	4	29.0	24	31.3	34.0	1,3	28.1	24
		20	29.6	31.8	2	27.2	28	28.4	31.0	3	25.5	26	29.2	30.5	4	26.8	25,26,27	30.4	32.5	4	27.8	27
		50	28.5	30.4	5	27.2	27,29	28.9	30.5	5	27.2	27	28.7	29.7	4	27.1	27	28.9	30.3	4	27.0	27
		100	27.4	28.1	3	27.0	27,29	27.4	27.8	*	26.9	27	27.4	27.9	1,5	26.2	25	27.5	27.9	1,6	26.9	19
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Ras El Hikma	5	—	—	—	—	—	25.0	27.4	9	20.3	27	33.1	36.1	8	26.7	24	26.9	29.0	1,8	22.2	24
		10	—	—	—	—	—	24.8	26.8	10	20.2	27	30.0	32.0	2,8,9	25.7	26	28.2	30.3	2	23.6	24
		20	—	—	—	—	—	25.1	27.0	10	21.0	27	27.9	29.7	2	24.3	26	27.6	29.4	9	23.9	24
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Dabaa	5	—	—	—	—	—	23.7	30.8	5	19.7	27	33.9	37.2	5	31.4	27	28.6	30.2	5	25.0	27
		10	—	—	—	—	—	24.7	28.4	5	21.2	27	30.1	32.2	6	27.6	27	29.1	30.6	5	26.6	27
		20	—	—	—	—	—	26.6	28.0	4	24.7	27	27.0	28.6	11	24.9	27	28.1	29.4	5	26.2	27
		50	—	—	—	—	—	27.7	28.4	1,3,4	26.3	27,30	27.7	28.4	1,3,4	26.3	27,30	27.7	28.4	1,3,4	26.3	27,30
		100	—	—	—	—	—	26.5	26.7	1,3	26.7	*	26.5	26.7	*	25.8	30	26.5	26.7	*	25.8	30
		200	—	—	—	—	—	24.7	25.0	*	24.4	27	24.7	25.0	*	24.4	9	24.7	25.0	*	24.4	9
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	30.4	31.2	7	28.8	28	30.4	31.2	*	28.8	30	30.4	31.2	*	29.0	28,29,30	30.4	31.2	*	29.0	28,30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	El Arish	5	28.1	29.4	4	26.2	25	26.8	28.6	11	25.0	21	32.7	34.8	5	30.2	18	30.9	32.6	3	28.6	30
		10	29.2	30.5	7	27.2	25	27.7	29.2	11	26.2	21	31.6	33.4	5	30.2	26	31.5	33.2	4	29.2	30
		20	30.6	31.9	7	27.6	25	29.7	30.8	4,5	28.2	25	30.2	31.5	5	29.1	28	31.2	32.8	5	29.8	25
		50	31.3	32.2	11	28.6	25	31.2	32.2	1,2	30.5	23,27	31.0	32.2	2	30.3	22,23,24	31.2	32.4	11	30.5	22
		100	30.3	31.2	5	29.8	28	30.3	31.1	5	30.0	*	30.2	30.5	13,14	29.8	28,29	30.2	30.5	12,13	29.8	30
		200	29.0	29.2	21	28.9	28	29.0	29.2	17,21	28.6	6	28.9	30.2	30	28.7	2,5	29.0	30.0	23	28.8	*

* More than 3 days.

Table A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS
SEPTEMBER 1963

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	Ghazza	5	27.6	31.4	3	25.4	21	26.7	29.2	2	25.8	21	32.6	38.5	1	31.8	22	29.0	33.8	2	28.0	4
		10	28.9	32.2	4	26.5	9	26.7	30.2	3	25.5	6,9	32.2	36.0	1	30.0	27	30.0	34.8	1	28.5	8
		20	30.2	33.1	2	28.5	9	29.0	32.5	5	26.8	9	31.3	33.7	2	30.0	*	31.9	34.7	3	30.5	9
		50	31.9	33.5	4,8	31.0	*	32.1	33.6	2	31.0	*	32.1	34.0	2	31.0	*	31.7	33.5	3	30.8	21
		100	35.2	37.5	4	33.6	29	35.2	36.2	6	33.0	10	35.0	36.0	2	33.5	22	34.9	36.6	3	34.0	*
		200	30.6	31.7	16	30.0	*	30.8	31.5	2,6,17	30.0	12	30.9	31.5	18,21	30.0	2,19,20	30.7	31.5	3	30.0	*
	Sakha	5	—	—	—	—	—	26.0	27.0	*	24.8	27	27.1	28.5	4	26.0	*	25.6	26.8	3,4	24.5	27
		10	—	—	—	—	—	26.9	28.0	*	25.7	24	28.0	29.5	3,10	27.0	*	26.8	27.6	3	25.2	27
		20	—	—	—	—	—	27.8	29.0	*	26.3	25,26	29.1	31.0	7	28.0	*	27.2	28.8	1	25.8	26·27
		50	—	—	—	—	—	25.5	26.4	12	24.5	26,27	26.4	27.0	*	25.3	24	23.5	26.5	6,7	24.0	29
		100	—	—	—	—	—	24.6	25.5	1	23.8	28	25.5	27.2	15	24.7	24,26	24.4	26.0	6	23.5	27,28,29
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Damanhour	5	—	—	—	—	—	25.2	26.2	4,10	22.7	27	32.7	36.2	11	29.0	23	27.5	29.7	5	23.7	27
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	27.6	28.3	*	26.2	29,30	27.3	28.3	6	26.1	30	27.5	28.6	1,5,6	26.0	30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	26.8	28.5	1	24.2	27	33.9	36.7	1,2	29.3	29	30.7	32.4	3	28.0	30
		10	—	—	—	—	—	30.5	31.8	2	28.5	27	33.3	35.0	1	30.3	30	32.9	34.6	4	30.1	30
		20	—	—	—	—	—	29.1	30.3	2·4	27.2	27	29.2	30.5	2	27.6	29	29.8	31.2	1	27.9	30
		50	—	—	—	—	—	32.9	34.0	1,2	31.4	30	32.7	33.8	2	31.2	30	32.8	33.9	1	31.2	30
		100	—	—	—	—	—	30.1	30.5	1·2	29.5	30	30.1	30.5	1,2	29.5	30	30.1	30.5	1,2	29.4	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tahrir	5	25.4	26.9	4	22.5	26,27	26.5	28.9	5	23.5	27	42.6	45.4	5	36.3	30	30.9	33.6	5	28.2	26
		10	28.5	30.0	6	26.0	27	26.8	27.8	3	24.0	27	37.5	39.9	26	32.6	29	33.5	35.5	7	30.7	30
		20	31.7	33.0	1,5,6	29.6	27	29.8	31.2	2,5,6	27.6	27	32.0	35.0	2	29.5	29	33.6	35.3	5	31.1	29
		50	31.3	32.4	1,6	29.8	30	31.3	32.4	1	29.7	30	—	—	—	—	—	31.0	32.0	1,4,6	29.6	27,28,30
		100	—	—	—	—	—	30.8	31.8	4	29.9	29	—	—	—	—	—	30.8	31.4	2.4	30.0	28,29,30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	5	28.0	30.6	6	25.6	26	27.7	33.5	8	25.5	26	44.6	49.0	8	34.0	30	33.4	35.5	3	29.6	29
		10	31.4	33.6	16	29.5	27,30	29.6	31.0	2	27.5	26	37.5	40.0	8	32.5	30	34.8	36.6	8	30.8	30
		20	32.9	34.4	1	30.9	28	31.5	33.0	2	29.5	28	33.5	35.0	8	31.0	30	34.4	36.2	8	31.1	30
		50	33.3	34.9	1	31.7	27	32.9	34.1	1	31.3	28,30	32.6	34.1	3	31.1	28,30	33.0	34.2	1	31.0	27
		100	33.1	34.0	1,2,3	31.9	30	33.2	34.1	1	31.8	30	33.2	34.2	2	31.9	30	33.1	34.0	1·2	30.9	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

SEPTEMBER 1963

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
Cairo Area	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	31.2	32.6	2	30.4	29	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	29.3	30.0	2,6,7	28.5	30	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Upper Egypt	Giza	5	29.0	30.5	5	27.0	27	28.0	29.5	2	25.4	26	39.3	42.0	3	32.6	30	34.0	36.0	3	30.0	30
		10	31.7	33.2	1	30.0	27	29.8	31.0	5	28.0	26	34.3	36.0	2	31.1	30	34.7	36.4	3	30.8	30
		20	32.7	34.0	1	31.2	30	32.0	33.1	1	30.7	30	32.0	33.1	1	30.6	30	32.9	34.0	1,2,3	30.8	30
		50	32.7	33.6	1	31.7	*	32.7	33.7	1	31.7	28-30	31.6	33.6	1	28.6	30	32.6	33.5	1	31.5	30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Fayoum . . .	5	—	—	—	—	—	26.5	27.6	1-11	25.1	18	33.4	35.5	1,2	29.9	30	29.8	32.0	1	28 0	25
		10	—	—	—	—	—	27.5	28.5	5	26.6	25	30.7	32.5	4	29.5	36,27	30.3	32.0	1	28.6	30
		20	—	—	—	—	—	28.6	29.5	1,5	27.9	28	29.2	30.6	7	28.5	*	29.4	31.0	1	28.4	27
		50	—	—	—	—	—	28.5	29.0	*	28.0	*	28.6	29.1	2	28.0	*	28.4	29.0	*	28.0	*
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya . . .(A)	5	29.9	32.9	13	28.0	23-26	27.8	29.8	3	26.0	18,26	35.5	37.1	1	34.0	*	33.3	35.0	2,5	31.5	18,26
		10	32.7	34.0	10-13	31.0	26	31.1	33.4	2	29.2	27	34.2	35.5	2,5	32.7	26	34.8	36.5	2,5	33.5	26
		20	30.3	34.5	5	31.5	26,28	32.0	33.3	2	30.0	27	32.3	34.0	1	31.0	26,28	32.9	34.0	1,10,11	31.5	26,27
		50	32.7	34.0	3	31.8	28	32.7	33.9	3	31.6	27	32.7	34.3	1	31.7	27,28	32.8	34.5	1	31.5	27
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mallawi . . .	5	—	—	—	—	—	24.0	25.0	*	22.2	27	28.1	31.0	2	25.5	25,27	27.8	31.5	2	25.0	18
		10	—	—	—	—	—	24.9	26.5	1	23.0	26	26.8	30.0	2	24.0	26	26.7	30.0	2	24.5	26
		20	—	—	—	—	—	25.9	27.2	1	24.5	27	26.0	28.0	3	24.5	27	26.0	28.0	3	24.5	27
		50	—	—	—	—	—	25.5	26.5	*	24.5	28	25.5	26.5	*	24.5	28	25.5	26.5	*	24.5	27
		100	—	—	—	—	—	25.1	25.5	*	24.6	*	25.1	25.5	*	24.6	*	25.1	25.5	*	24.6	*
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

SEPTEMBER 1963

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
Upper Egypt	Shandaweel	5	—	—	—	—	—	28.0	30.3	11	26.5	8	34.9	42.5	13,15	33.5	17,24,27	33.1	36.5	15	32.0	19
		10	—	—	—	—	—	29.5	31.0	11	28.5	25	31.6	35.0	15	30.5	19,24	32.1	35.0	15	31.4	28
		20	—	—	—	—	—	30.6	31.2	1	30.0	9,19,25	30.6	31.7	16	30.0	24,27	31.0	31.5	11,12,15	30.5	10,18
		50	—	—	—	—	—	30.3	31.0	20	30.0	*	31.3	31.8	1,23	30.1	26	31.2	32.0	11,12	30.5	1
		100	—	—	—	—	—	—	—	—	—	*	—	—	—	—	*	—	—	—	—	—
		200	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag-Hammadi	5	—	—	—	—	—	25.7	27.2	1	24.0	29	39.6	42.2	10	36.6	26	32.2	33.6	8	29.2	26
		10	—	—	—	—	—	27.0	28.2	1,2	25.4	29	31.7	34.0	5	28.0	29	30.1	31.9	5	27.4	26
		20	—	—	—	—	—	28.2	29.3	11	27.0	29,30	28.9	30.2	14	27.0	30	28.7	29.7	13	27.0	30
		50	—	—	—	—	—	28.2	28.6	17,18	26.8	29,30	28.3	28.8	17	26.8	29,30	28.2	28.8	21	26.8	29·30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo	5	—	—	—	—	—	25.5	28.0	13	23.0	24,25,26	39.8	43.5	21	34.0	25	30.0	32.8	15	26.0	24
		10	—	—	—	—	—	26.6	28.3	15	24.8	24	32.2	33.6	11	29.0	24,25	30.3	32.0	16	27.0	25
		20	—	—	—	—	—	27.7	29.3	15	27.1	25	28.4	29.3	14,15,16	27.0	24,25	28.8	30.0	16	27.4	26
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Western Desert	Siwa	5	28.5	30.4	10,11,22	25.4	28	26.9	29.0	2,11	24.0	28	34.6	37.0	2	29.8	24	31.6	34.8	9	28.9	28
		10	29.5	31.6	10	27.0	27,28	27.8	29.4	2	25.3	28	32.6	34.4	2	30.2	27,28	32.2	34.0	*	30.0	27
		20	30.5	32.4	12	26.4	29	29.2	31.0	*	24.8	26	30.7	32.0	2	28.6	27·28	32.0	33.6	2	29.2	27
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bahariya	5	27.8	30.2	3	24.3	27	25.2	27.2	6	22.2	27	33.4	36.4	1	29.9	26	32.4	35.6	2	29.0	26
		10	29.9	32.0	1	27.4	26	27.5	29.3	3	24.8	27	31.2	33.6	10	28.3	30	32.6	35.2	2	30.0	24,26,27
		20	32.0	33.9	1	28.5	26	30.8	32.4	1,3	28.3	26	30.7	32.3	1	28.7	27	32.2	34.0	1	30.1	27
		50	33.1	34.0	1	31.6	30	33.1	34.0	1,4	31.7	30	33.0	33.9	*	31.6	30	32.9	33.9	2	31.5	28,30
		100	32.3	32.9	1,3	31.4	30	32.3	32.9	1	31.5	30	32.3	32.9	1	31.5	29,30	32.3	32.9	1	31.4	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Farafra	5	33.2	35.5	12	30.8	24	30.8	33.1	12	28.4	27	37.7	40.2	11	31.5	30	36.6	39.1	11,12	31.8	29
		10	34.2	36.2	12	31.1	30	32.3	34.3	12	30.2	24	34.4	36.5	11	30.7	30	36.0	38.2	11,12	31·8	29,30
		20	35.4	36.0	12,13	31.5	30	33.5	35.1	12	31.0	30	33.2	34.8	12	30.9	30	34.4	36.1	12	31.2	30
		50	31.6	32.8	1	29.6	29,30	31.6	32.8	*	29.6	30	31.6	32.8	1	29.6	29,30	31.6	32.7	1·3	29.6	28,29,30
		100	31.2	31.8	1	30.0	30	31.1	31.7	1,2,3	30.0	30	31.1	31.7	*	30.0	30	31.1	31.7	*	30.0	29·30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 8 — FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

SEPTEMBER 1963

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	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	22	0
	Sidi Barrani	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	—	—
	El Baer	0	0	0	0	0	0	0	0	0	0	5	6	0	0	0	0	0	—	—
	Mersa Matruh (A)	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0	0	0	22	0
	Ras El Hikma	2	0	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	7	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	17	0
	Ras El Teen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0
	Alexandria (A)	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	10	0
	Rosetta	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	22	0
	El Arish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	1
	Ghazza	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	13	1
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	1	0	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	0	0	—	—
	Tahrir	0	0	0	0	0	0	9	4	0	0	0	0	0	0	0	0	0	17	0
	Shebin El Kom	0	0	0	0	0	0	2	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	0	0	—	—
	Abu Sueir (A)	1	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	22	1
	Banha	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	—	—
	Zaher (A)	0	0	0	0	0	0	5	2	1	0	0	0	0	0	0	0	0	—	—
	Wadi El Natrun	1	0	0	0	0	0	0	4	0	0	2	0	0	0	0	0	0	28	1
	Inshas (A)	0	0	0	0	0	0	4	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	3	0	0	0	1	0	0	0	0	0	0	—	—
	Delta Barrage	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cairo Area	Cairo (A)	0	0	0	0	0	0	9	3	0	0	0	0	0	0	0	0	0	20	1
	Mostafa Helmi (A)	0	0	0	0	0	0	16	5	0	0	5	0	0	0	0	0	0	24	0
	Almaza (A)	0	0	0	0	0	0	18	1	15	0	0	0	0	0	0	0	0	22	1
	Abbasiya (H.Q.)	0	0	0	0	0	0	4	0	3	0	0	0	0	0	0	0	0	24	1
	Imbaba (A)	0	0	0	0	0	0	15	1	3	0	1	0	0	0	0	0	0	—	—
	Giza	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	29	0
	Helwan	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	28	1

Table A 8 *(contd.)* **—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA. SEPTEMBER 1963**

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 is. 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	1	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	0	0	29	1
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad) (A)	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0	0	0	0	27	0
	Bahariya	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	28	1
	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	2	0	0	0	0	0	0	29	0
	Kharga	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	28	0
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tor	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	28	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	1	0	7	0	7	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

SEPTEMBER 1963

Districts	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	7	1	0	1-10	156	70	25	24	14	26	30	41	28	2	11	139	566
					11-27	61	9	12	7	2	2	0	0	0	0	0	53	146
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**217**	**79**	**37**	**31**	**16**	**28**	**30**	**41**	**28**	**2**	**11**	**192**	**712**
	Mersa Matruh . (A)	2	13	0	1-10	323	62	33	17	23	13	15	13	33	32	14	87	665
					11-27	0	22	0	14	1	0	1	1	0	0	1	0	40
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**323**	**84**	**33**	**31**	**24**	**13**	**16**	**14**	**33**	**32**	**15**	**87**	**705**
	Dekheila . . . (A)	6	0	0	1-10	190	184	82	21	16	16	6	12	6	2	4	27	566
					11-27	87	24	24	2	4	0	0	0	0	0	0	7	148
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**277**	**208**	**106**	**23**	**20**	**16**	**6**	**12**	**6**	**2**	**4**	**34**	**714**
	Ras El Teen	8	0	0	1-10	103	202	111	20	17	1	4	4	1	1	3	15	482
					11-27	91	107	28	3	0	0	0	1	0	0	0	0	230
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**194**	**309**	**139**	**23**	**17**	**1**	**4**	**5**	**1**	**1**	**3**	**15**	**712**
	Alexandria . . (A)	63	0	0	1-10	177	55	27	7	7	4	4	2	4	1	76	242	606
					11-27	12	11	6	0	0	0	0	0	0	0	3	17	49
					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	**190**	**66**	**34**	**7**	**7**	**4**	**4**	**2**	**4**	**1**	**79**	**259**	**657**
	Port Said . . . (A)	0	5	0	1-10	203	92	21	7	1	1	0	0	7	64	18	110	524
					11-27	78	32	7	2	0	0	0	0	2	13	3	54	191
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**281**	**124**	**28**	**9**	**1**	**1**	**0**	**0**	**9**	**77**	**21**	**164**	**715**
	El Arish	2	36	0	1-10	168	87	14	5	3	28	34	64	70	7	83	167	680
					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	**168**	**87**	**14**	**5**	**3**	**28**	**34**	**64**	**70**	**7**	**85**	**167**	**682**
	Ghazza	0	59	1	1-10	33	12	18	17	21	156	13	8	11	33	77	123	522
					11-27	45	10	2	0	0	0	0	0	3	4	12	62	138
					28-47	0	0	0	0	0	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**	**22**	**20**	**17**	**21**	**156**	**13**	**8**	**14**	**37**	**89**	**185**	**660**
Lower Egypt	Mansoura . . .	12	15	96	1-10	56	151	33	3	1	2	0	11	56	51	89	122	575
					11-27	0	3	8	0	0	0	0	0	2	0	0	9	22
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**56**	**154**	**41**	**3**	**1**	**2**	**0**	**11**	**58**	**51**	**89**	**131**	**597**
	Tanta	126	8	0	1-10	105	70	44	16	7	0	0	9	55	58	65	149	578
					11-27	4	2	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	**109**	**72**	**44**	**16**	**7**	**0**	**0**	**9**	**55**	**58**	**65**	**151**	**586**

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

SEPTEMBER 1963

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	
Lower Egypt	Tahir	10	0	0	1-10	132	90	27	12	4	4	1	5	21	60	130	156	642
					11-27	35	11	4	0	0	0	0	0	0	0	1	17	68
					28-47	0	0	0	0	0	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**	**101**	**31**	**12**	**4**	**4**	**1**	**5**	**21**	**60**	**131**	**173**	**710**
	Abu Sueir . . . (A)	20	6	1	1-10	175	43	16	4	1	0	2	13	92	47	102	94	590
					11-27	64	11	5	1	0	0	0	0	0	0	8	14	103
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**240**	**54**	**21**	**5**	**1**	**0**	**2**	**13**	**92**	**47**	**110**	**108**	**693**
	Zafarana . . . . . (A)	13	2	0	1-10	209	54	21	3	4	5	5	8	73	76	49	169	676
					11-27	12	10	4	1	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	**221**	**64**	**25**	**4**	**4**	**5**	**5**	**8**	**73**	**76**	**49**	**171**	**705**
Cairo Area	[illegible]	0	4	149	1-10	56	94	55	13	3	0	0	2	0	15	42	58	338
					11-27	49	104	27	9	0	0	0	0	0	0	3	17	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	**105**	**198**	**82**	**22**	**3**	**0**	**0**	**2**	**0**	**15**	**45**	**75**	**547**
	Matariya Helmi . (A)	0	0	2	1-10	72	92	19	5	2	0	0	1	1	5	32	60	289
					11-27	75	216	78	11	1	0	0	0	0	9	2	46	429
					28-47	0	0	0	0	0	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**	**308**	**97**	**16**	**3**	**0**	**0**	**1**	**1**	**5**	**34**	**106**	**718**
	Giza . . . . . (A)	1	0	0	1-10	142	261	158	11	8	3	0	0	3	8	46	62	672
					11-27	3	26	13	1	3	0	0	0	0	0	0	1	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	**145**	**287**	**141**	**12**	**11**	**3**	**0**	**0**	**3**	**8**	**46**	**63**	**719**
	Abbassia . . . (H Q)	13	0	17	1-10	272	164	33	4	0	0	0	2	1	0	63	144	689
					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	**272**	**165**	**33**	**4**	**0**	**0**	**0**	**2**	**1**	**6**	**63**	**144**	**690**
	Giza	16	0	0	1-10	241	234	35	2	2	0	0	2	1	2	18	157	694
					11-27	0	9	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	**241**	**243**	**36**	**2**	**2**	**0**	**0**	**2**	**1**	**2**	**18**	**157**	**704**
Upper Egypt	Fayoum	32	0	0	1-10	430	37	7	2	1	6	15	2	3	5	21	154	683
					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	**432**	**37**	**7**	**2**	**1**	**6**	**15**	**2**	**3**	**5**	**21**	**157**	**688**
	Minya . . . . . (A)	13	3	0	1-10	177	212	1	2	1	12	9	1	3	7	9	250	684
					11-27	18	0	0	0	0	0	0	0	0	1	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	**195**	**212**	**1**	**2**	**1**	**12**	**9**	**1**	**3**	**8**	**10**	**250**	**704**

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

SEPTEMBER 1963

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
Upper Egypt	Luxor . . . . (A)	89	0	21	1-10	96	28	7	5	8	15	19	77	74	51	74	145	599
					11-27	0	1	0	0	1	0	0	0	1	3	1	4	11
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**96**	**29**	**7**	**5**	**9**	**15**	**19**	**77**	**75**	**54**	**75**	**149**	**610**
Western Desert	Siwa	109	0	0	1-10	85	99	102	92	39	24	7	7	10	19	44	72	600
					11-27	0	0	0	0	3	0	0	2	2	2	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	**85**	**99**	**102**	**92**	**42**	**24**	**7**	**9**	**12**	**21**	**44**	**74**	**611**
	Dakhla	24	6	0	1-10	88	92	14	12	8	5	10	16	12	62	112	210	641
					11-27	18	23	0	0	0	0	0	0	0	0	5	3	49
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**106**	**115**	**14**	**12**	**8**	**5**	**10**	**16**	**12**	**62**	**117**	**213**	**690**
Red Sea	Hurghada	4	4	5	1-10	16	5	4	3	8	15	1	0	1	31	74	26	184
					11-27	70	1	0	0	0	2	0	0	0	38	188	215	514
					28-47	0	0	0	0	0	0	0	0	0	0	2	7	9
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**86**	**6**	**4**	**3**	**8**	**17**	**1**	**0**	**1**	**69**	**264**	**248**	**707**

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

SALLUM — SEPTEMBER 1963

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	7	2	1	2	1	0	0	0	0	0	1	4	18
				11-27	0	0	1	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	7	2	2	2	1	0	0	0	0	0	1	7	22
0300	12	0	0	1-10	1	2	0	0	1	0	0	0	0	0	1	10	15
				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	2	0	0	1	0	0	0	0	0	1	13	18
0600	7	0	0	1-10	3	3	1	0	2	1	0	0	0	0	5	8	23
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	3	1	0	2	1	0	0	0	0	5	8	23
0900	5	0	0	1-10	2	5	1	5	1	0	2	0	0	0	1	2	19
				11-27	4	1	0	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	6	6	1	5	1	0	2	0	0	0	2	2	25
1200	3	0	0	1-10	3	6	3	1	0	0	0	0	0	0	0	0	13
				11-27	6	5	2	1	0	0	0	0	0	0	0	0	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	11	5	2	0	0	0	0	0	0	0	0	27
1500	3	0	0	1-10	3	4	4	1	0	0	0	0	0	0	0	0	12
				11-27	10	5	0	0	0	0	0	0	0	0	0	0	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	9	4	1	0	0	0	0	0	0	0	0	27
1800	1	0	0	1-10	8	5	3	3	0	0	0	0	0	0	0	3	22
				11-27	4	2	1	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	12	7	4	3	0	0	0	0	0	0	0	3	29
2100	7	0	0	1-10	7	3	1	2	1	0	0	0	0	0	1	4	19
				11-27	0	2	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	7	5	1	3	2	0	0	0	0	0	1	4	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) -- SEPTEMBER 1963

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	6	0	1	3	0	1	2	2	2	2	0	3	20
				11-27	5	0	1	1	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	11	0	2	4	0	1	2	2	2	2	0	4	27
0300	2	0	0	1-10	6	0	0	0	[illegible]	0	2	2	3	5	0	5	23
				11-27	4	1	0	0	0	[illegible]	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	1	0	0	0	0	2	2	3	5	0	5	28
0600	1	0	0	1-10	4	2	0	2	1	0	1	1	4	5	2	2	24
				11-27	4	1	0	0	[illegible]	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	2	1	0	1	1	4	5	2	2	29
0900	0	0	0	1-10	4	3	2	0	1	0	0	0	2	0	0	6	18
				11-27	9	0	0	0	0	0	0	0	0	0	0	3	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	3	2	0	1	0	0	0	2	0	0	9	30
1200	0	0	0	1-10	3	4	1	0	0	0	0	0	0	0	0	0	8
				11-27	11	4	0	1	0	0	0	0	0	0	0	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	14	8	1	1	0	0	0	0	0	0	0	6	30
1500	0	0	0	1-10	4	6	1	0	0	0	0	0	0	0	0	0	11
				11-27	11	2	0	2	0	0	0	0	0	0	1	3	19
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	8	1	2	0	0	0	0	0	0	1	3	30
1800	1	0	0	1-10	7	1	3	2	1	0	0	0	0	0	0	4	18
				11-27	7	0	0	1	0	0	0	0	0	0	0	3	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	1	3	3	1	0	0	0	0	0	0	7	29
2100	7	0	0	1-10	9	0	1	2	1	0	0	0	0	0	0	1	14
				11-27	6	0	1	0	0	1	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	15	0	2	2	1	1	0	0	0	0	0	2	23

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

DEKHEILA (A) — SEPTEMBER 1963

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	5	4	3	1	0	0	0	0	0	0	4	26
				11—27	2	0	0	0	0	0	0	0	0	0	0	1	3
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	5	4	3	1	0	0	0	0	0	0	5	29
0300	4	0	0	1—10	8	7	1	1	1	2	0	1	1	0	0	1	23
				11—27	2	0	0	0	0	0	0	0	0	0	0	1	3
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	7	1	1	1	2	0	1	1	0	0	2	26
0600	0	0	0	1—10	8	8	2	1	1	2	2	1	1	0	0	2	28
				11—27	1	0	1	0	0	0	0	0	0	0	0	0	2
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	8	3	1	1	2	2	1	1	0	0	2	30
0900	0	0	0	1—10	11	8	3	1	0	0	0	1	0	0	2	0	26
				11—27	3	0	1	0	0	0	0	0	0	0	0	0	4
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	8	4	1	0	0	0	1	0	0	2	0	30
1200	0	0	0	1—10	7	7	2	0	0	0	0	0	0	0	0	3	19
				11—27	7	2	1	1	0	0	0	0	0	0	0	0	11
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	9	3	1	0	0	0	0	0	0	0	3	30
1500	0	0	0	1—10	8	8	1	0	0	0	0	0	0	0	0	0	17
				11—27	7	2	4	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	15	10	5	0	0	0	0	0	0	0	0	0	30
1800	0	0	0	1—10	4	11	3	1	0	0	0	0	0	0	0	0	19
				11—27	5	3	1	1	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	9	14	4	2	0	0	0	0	0	0	0	1	30
2100	0	0	0	1—10	6	10	6	1	1	0	1	0	0	0	0	1	26
				11—27	3	0	0	0	1	0	0	0	0	0	0	0	4
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	10	6	1	2	0	1	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.

RAS EL TEEN — SEPTEMBER 1963

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	2	0	0	1-10	4	13	4	1	1	0	0	0	0	0	0	0	23
				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	14	4	1	1	0	0	0	0	0	0	0	28
0300	2	0	0	1-10	2	8	7	2	0	1	0	1	0	0	0	0	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	5	12	7	2	0	1	0	1	0	0	0	0	28
0600	2	0	0	1-10	6	7	5	2	0	1	0	1	0	0	0	1	23
				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	8	10	5	2	0	1	0	1	0	0	0	1	28
0900	1	0	0	1-10	4	13	2	0	0	0	0	0	0	0	0	3	22
				11-27	4	2	1	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	8	15	3	0	0	0	0	0	0	0	0	3	29
1200	0	0	0	1-10	6	7	3	0	0	0	0	0	0	0	0	1	17
				11-27	5	6	2	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	11	13	5	0	0	0	0	0	0	0	0	1	30
1500	0	0	0	1-10	3	7	1	0	0	0	0	0	0	0	0	0	11
				11-27	4	14	1	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	7	21	2	0	0	0	0	0	0	0	0	0	30
1800	0	0	1	1-10	2	5	5	0	0	0	0	0	0	0	0	0	12
				11-27	5	7	3	2	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	7	12	8	2	0	0	0	0	0	0	0	0	29
2100	0	0	0	1-10	3	9	6	1	1	0	0	0	0	0	0	0	20
				11-27	2	7	0	0	1	0	0	0	0	0	0	0	10
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	16	6	1	2	0	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

ALEXANDRIA (A) —SEPTEMBER 1963

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	2	1	1	0	0	0	0	0	0	3	11	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	2	1	1	0	0	0	0	0	0	3	11	24
0300	10	0	0	1-10	5	3	0	0	0	1	0	0	0	0	2	9	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	3	0	0	0	1	0	0	0	0	2	9	20
0600	4	0	0	1-10	4	3	3	0	1	0	1	0	1	1	1	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	4	3	3	0	1	0	1	0	1	1	1	11	26
0900	0	0	0	1-10	7	1	2	1	0	1	0	0	0	0	4	11	27
				11-27	0	1	1	0	0	0	0	0	0	0	0	1	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	2	3	1	0	1	0	0	0	0	4	12	30
1200	0	0	0	1-10	6	1	0	0	0	0	0	0	0	0	2	11	20
				11-27	4	0	1	0	0	0	0	0	0	0	3	2	10
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	1	1	0	0	0	0	0	0	0	5	13	30
1500	0	0	0	1-10	8	1	0	0	0	0	0	0	0	0	1	12	22
				11-27	2	2	0	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	10	2	0	0	0	0	0	0	0	0	2	15	30
1800	0	0	0	1-10	13	3	2	0	0	0	0	0	0	0	1	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	13	3	2	0	0	0	0	0	0	0	1	11	30
2100	2	0	0	1-10	10	1	0	1	0	0	1	0	0	0	2	12	27
				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	10	1	1	1	0	0	1	0	0	0	2	12	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) — SEPTEMBER 1963

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	12	5	0	1	0	0	0	0	0	2	2	5	27
				11-27	1	0	0	0	0	0	0	0	0	2	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	5	0	1	0	0	0	0	0	4	2	5	30
0300	0	0	0	1-10	9	2	2	1	1	0	0	0	1	7	0	5	28
				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	9	3	2	1	1	0	0	0	1	8	0	5	30
0600	0	0	0	1-10	6	5	3	0	0	0	0	0	2	4	1	5	26
				11-27	0	1	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	6	6	4	0	0	0	0	0	3	5	1	5	30
0900	0	0	0	1-10	11	3	2	0	0	0	0	0	1	3	2	6	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	11	5	2	0	0	0	0	0	1	3	2	6	30
1200	0	0	0	1-10	13	1	0	0	0	0	0	0	0	1	0	4	22
				11-27	1	2	0	0	0	0	0	0	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	14	6	0	0	0	0	0	0	0	1	0	9	30
1500	0	0	0	1-10	7	0	0	0	0	0	0	0	0	0	0	1	8
				11-27	10	4	0	0	0	0	0	0	0	0	0	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	17	4	0	0	0	0	0	0	0	0	0	9	30
1800	0	0	0	1-10	11	2	0	0	0	0	0	0	0	0	2	2	17
				11-27	8	0	0	0	0	0	0	0	0	0	0	5	13
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	19	2	0	0	0	0	0	0	0	0	2	7	30
2100	0	0	0	1-10	15	4	1	0	0	0	0	0	0	3	1	3	27
				11-27	1	1	0	0	0	0	0	0	0	0	0	1	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	16	5	1	0	0	0	0	0	0	3	1	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 — SEPTEMBER 1963

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	2	4	0	0	0	0	2	8	4	0	2	2	24
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	4	0	0	0	0	2	8	4	0	2	2	24
0300	6	0	0	1-10	2	1	0	0	0	2	6	4	9	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	2	1	0	0	0	2	6	4	9	0	0	0	24
0600	1	0	0	1-10	0	1	1	0	0	3	4	4	13	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	1	1	0	0	3	4	4	13	3	0	0	29
0900	0	0	0	1-10	9	4	0	0	0	0	0	0	1	0	6	10	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	4	0	0	0	0	0	0	1	0	6	10	30
1200	0	0	0	1-10	7	3	0	0	0	0	0	0	0	0	2	18	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	3	0	0	0	0	0	0	0	0	2	18	30
1500	0	0	0	1-10	10	3	0	0	0	0	0	0	0	0	0	16	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	4	0	0	0	0	0	0	0	0	0	16	30
1800	1	0	0	1-10	17	6	1	0	0	0	0	0	0	0	0	5	29
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	17	6	1	0	0	0	0	0	0	0	0	5	29
2100	7	0	0	1-10	5	6	1	0	0	0	1	2	0	0	4	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	5	6	1	0	0	0	1	2	0	0	4	4	23

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

GHAZZA — SEPTEMBER 1963

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	1	1-10	2	0	1	4	3	15	1	0	0	1	0	2	29
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	1	4	3	15	1	0	0	1	0	2	29
0300	0	0	0	1-10	0	0	0	1	2	25	0	0	0	0	0	2	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	1	2	25	0	0	0	0	0	2	30
0600	0	0	0	1-10	1	0	0	2	2	11	10	3	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	1	0	0	2	2	11	10	3	0	1	0	0	30
0900	0	0	0	1-10	3	0	0	0	0	0	0	0	1	7	7	8	26
				11-27	1	0	0	0	0	0	0	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	4	0	0	0	0	0	0	0	4	7	7	8	30
1200	0	0	0	1-10	0	0	0	0	0	0	0	0	0	1	5	7	13
				11-27	4	0	1	0	0	0	0	0	0	0	5	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	4	0	1	0	0	0	0	0	0	1	10	14	30
1500	0	0	0	1-10	1	0	0	0	0	0	0	0	0	0	6	8	15
				11-27	9	0	0	0	0	0	0	0	0	0	0	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	10	0	0	0	0	0	0	0	0	0	6	14	30
1800	0	0	0	1-10	12	0	1	0	0	0	0	0	1	0	1	7	22
				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	17	1	1	0	0	0	0	0	1	0	1	9	30
2100	1	0	0	1-10	5	3	2	2	4	5	0	0	0	0	3	3	27
				11-27	2	0	0	0	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	3	2	2	4	5	0	0	0	0	3	3	29

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 1963

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	1	0	0	0	0	0	1	3	4	5	8	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**	**0**	**1**	**3**	**4**	**5**	**8**	**23**
0300	8	0	1	1-10	1	1	0	0	0	0	0	3	10	0	4	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	**1**	**1**	**0**	**0**		**0**	**0**	**3**	**10**	**0**	**4**	**2**	**21**
0600	6	0	0	1-10	3	3	1	0	0	0	0	0	2	7	6	2	24
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**3**	**3**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**7**	**6**	**2**	**24**
0900	0	0	0	1-10	5	6	4	0	0	0	0	1	1	2	4	5	28
				11-27	1	1	0	0	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**6**	**7**	**4**	**0**	**0**	**0**	**0**	**1**	**1**	**2**	**4**	**5**	**30**
1200	0	0	0	1-10	5	1	0	0	0	0	0	0	1	2	4	7	20
				11-27	2	4	1	0	0	0	0	0	0	0	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	**7**	**5**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**5**	**9**	**30**
1500	0	0	0	1-10	6	1	0	0	0	0	0	0	0	0	1	2	10
				11-27	12	3	0	0	0	0	0	0	0	0	1	4	20
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**18**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**6**	**30**
1800	0	0	0	1-10	17	3	1	0	0	0	0	0	0	0	0	2	23
				11-27	2	1	0	0	0	0	0	0	0	0	0	4	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**19**	**4**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**30**
2100	7	0	0	1-10	5	1	0	1	0	0	0	0	0	1	8	7	23
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**5**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**8**	**7**	**23**

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

CAIRO (A) — SEPTEMBER 1963

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	4	5	6	2	1	0	0	0	0	2	2	4	26
				11-27	0	0	1	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	5	7	2	1	0	0	0	0	2	2	4	27
0300	8	0	0	1-10	3	4	7	2	0	0	0	0	0	3	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	3	4	7	2	0	0	0	0	0	3	1	2	22
0600	4	0	0	1-10	7	4	6	0	0	0	0	0	0	0	5	4	26
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	4	6	0	0	0	0	0	0	0	5	4	26
0900	0	0	0	1-10	7	7	2	0	0	0	0	1	0	0	3	5	25
				11-27	0	1	4	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	8	6	0	0	0	0	1	0	0	3	5	30
1200	0	0	0	1-10	7	2	0	0	0	0	0	0	0	1	2	4	16
				11-27	4	3	3	0	0	0	0	0	0	0	0	4	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	5	3	0	0	0	0	0	0	1	2	8	30
1500	0	0	0	1-10	7	1	0	0	0	0	0	0	0	0	1	5	14
				11-27	6	8	1	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	13	9	1	0	0	0	0	0	0	0	1	6	30
1800	0	0	0	1-10	6	5	1	0	0	0	0	0	0	0	0	3	15
				11-27	3	11	1	0	0	0	0	0	0	0	0	0	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	16	2	0	0	0	0	0	0	0	0	3	30
2100	0	0	0	1-10	4	14	4	2	0	0	0	0	0	1	1	3	29
				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	4	14	4	3	0	0	0	0	0	1	1	3	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). — SEPTEMBER 1963

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	12	6	1	1	0	0	0	0	0	0	2	2	24
				11-27	1	2	2	0	0	0	0	0	0	0	0	1	6
				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	13	8	3	1	0	0	0	0	0	0	2	3	30
0300	0	0	0	1-10	8	4	4	0	0	0	0	0	0	0	3	6	25
				11-27	1	1	2	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	9	5	6	0	0	0	0	0	0	0	3	7	30
0600	0	0	0	1-10	1	7	2	0	1	0	0	0	0	0	2	2	15
				11-27	4	4	4	0	0	0	0	0	0	0	1	2	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	11	6	0	1	0	0	0	0	0	3	4	30
0900	0	0	0	1-10	1	7	1	1	0	0	0	0	1	0	1	2	14
				11-27	2	7	4	0	0	0	0	0	0	0	2	1	16
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				A speeds	3	14	5	1	0	0	0	0	1	0	3	3	30
1200	0	0	0	1-10	3	8	1	0	0	0	0	0	0	0	2	4	18
				11-27	5	2	5	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	10	6	0	0	0	0	0	0	0	2	4	30
1500	0	0	0	1-10	9	14	2	0	0	0	0	0	0	0	0	2	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	9	14	2	0	0	0	0	0	0	0	0	5	30
1800	0	0	0	1-10	15	11	4	0	0	0	0	0	0	0	0	0	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	11	4	0	0	0	0	0	0	0	0	0	30
2100	0	0	0	1-10	8	4	2	1	0	0	0	0	0	0	0	1	16
				11-27	3	7	2	0	0	0	0	0	0	0	0	2	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	11	4	1	0	0	0	0	0	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 ALMAZA (A) — SEPTEMBER 1963

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	12	5	1	1	0	0	0	0	0	2	3	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	12	5	1	1	0	0	0	0	0	2	3	30
0300	0	0	0	1-10	2	8	9	3	0	1	0	0	0	2	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	2	8	9	3	0	1	0	0	0	2	2	3	30
0600	0	0	0	1-10	9	6	7	0	0	0	0	1	0	1	2	2	28
				11-27	0	0	2	0	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	6	9	0	0	0	0	1	0	1	2	2	30
0900	0	0	0	1-10	3	10	10	0	0	0	0	0	0	2	2	2	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	3	10	11	0	0	0	0	0	0	2	2	2	30
1200	0	0	0	1-10	7	6	2	0	0	0	0	0	0	0	7	4	26
				11-27	0	3	1	0	0	0	0	0	0	0	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	9	3	0	0	0	0	0	0	0	7	4	30
1500	0	0	0	1-10	7	6	0	0	0	0	0	0	0	0	3	3	19
				11-27	1	9	0	1	0	0	0	0	0	0	0	0	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	15	0	1	0	0	0	0	0	0	3	3	30
1800	0	0	0	1-10	3	15	5	0	0	0	0	0	0	0	0	3	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	3	19	5	0	0	0	0	0	0	0	0	3	30
2100	0	0	0	1-10	6	13	7	0	0	0	0	0	0		1	1	29
				11-27	0	0	0	1	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	6	13	7	1	1	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 ABBASIYA (H.Q.) — SEPTEMBER 1963

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	9	6	2	0	0	0	0	0	0	0	3	6	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	9	6	2	0	0	0	0	0	0	0	3	6	26
0300	9	0	0	1-10	6	6	0	0	0	0	0	0	0	1	3	5	21
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	6	0	0	0	0	0	0	0	1	3	5	21
0600	2	0	0	1-10	6	14	0	0	0	0	0	0	0	0	3	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	6	14	0	0	0	0	0	0	0	0	3	5	28
0900	0	0	0	1-10	6	10	2	0	0	0	0	0	0	3	3	6	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	10	2	0	0	0	0	0	0	3	3	6	30
1200	0	0	0	1-10	12	5	1	0	0	0	0	0	0	1	6	4	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	12	6	1	0	0	0	0	0	0	1	6	4	30
1500	0	0	0	1-10	14	1	0	0	0	0	0	0	0	0	0	13	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	14	3	0	0	0	0	0	0	0	0	0	13	30
1800	0	0	0	1-10	11	8	3	0	0	0	0	0	0	0	0	6	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	11	10	3	0	0	0	0	0	0	0	0	6	30
2100	0	0	0	1-10	12	9	2	0	0	0	0	0	0	0	0	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	12	9	2	0	0	0	0	0	0	0	0	7	30

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

HELWAN — SEPTEMBER 1963

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	6	2	0	0	0	0	0	0	0	0	1	23
				11–27	1	6	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	12	2	0	0	0	0	0	0	0	0	1	30
0300	5	0	0	1–10	15	2	1	0	0	0	0	0	0	0	0	1	19
				11–27	2	3	1	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	17	5	2	0	0	0	0	0	0	0	0	1	25
0600	4	0	0	1–10	9	4	0	1	0	0	0	0	0	0	0	4	18
				11–27	1	4	2	1	0	0	0	0	0	0	0	0	8
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	8	2	2	0	0	0	0	0	0	0	4	26
0900	0	0	0	1–10	5	4	1	0	0	0	0	0	1	0	3	2	16
				11–27	2	7	3	0	0	0	0	0	0	0	0	2	14
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	11	4	0	0	0	0	0	1	0	3	4	30
1200	0	0	0	1–10	5	1	0	0	0	0	0	0	0	0	4	4	14
				11–27	4	6	1	0	0	0	0	0	0	0	1	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	9	7	1	0	0	0	0	0	0	0	5	8	30
1500	0	0	0	1–10	6	1	1	0	0	0	0	0	0	0	1	3	12
				11–27	10	1	3	0	0	0	0	0	0	0	0	4	18
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	16	2	4	0	0	0	0	0	0	0	1	7	30
1800	0	0	0	1–10	7	1	0	0	0	0	0	0	0	0	0	3	11
				11–27	11	5	0	0	0	0	0	0	0	0	0	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	18	6	0	0	0	0	0	0	0	0	0	6	30
2100	0	0	0	1–10	7	1	0	0	0	0	0	0	0	0	0	1	9
				11–27	9	9	1	0	0	0	0	0	0	0	0	2	21
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	16	10	1	0	0	0	0	0	0	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

MINYA (A) — SEPTEMBER 1963

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	15	0	0	0	0	1	0	0	0	1	1	6	24
				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	18	1	0	0	0	1	0	0	0	1	1	7	29
0300	1	0	0	1-10	8	0	0	0	0	1	0	0	0	0	1	16	26
				11-27	2	0	0	0	0	0	0	0	0	0	0	1	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	0	0	0	0	1	0	0	0	0	1	17	29
0600	2	0	0	1-10	11	2	0	0	0	0	0	0	1	0	1	4	19
				11-27	4	3	0	0	0	0	0	0	0	0	0	2	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	5	0	0	0	0	0	0	1	0	1	6	28
0900	1	0	0	1-10	8	6	0	0	0	0	0	0	0	1	0	3	18
				11-27	2	3	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	9	0	0	0	0	0	0	0	1	0	9	29
1200	1	0	0	1-10	3	6	1	0	0	0	0	0	0	1	1	3	15
				11-27	4	6	0	0	0	0	0	0	0	0	0	4	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	12	1	0	0	0	0	0	0	1	1	7	29
1500	2	0	0	1-10	16	5	0	0	0	0	0	0	0	0	0	2	23
				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	19	7	0	0	0	0	0	0	0	0	0	2	28
1800	6	0	0	1-10	19	4	0	0	0	0	0	0	0	0	0	0	23
				11-27	0	1	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	19	5	0	0	0	0	0	0	0	0	0	0	24
2100	0	0	0	1-10	12	3	0	0	0	1	0	0	0	1	0	7	24
				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	17	4	0	0	0	1	0	0	0	1	0	7	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 1963

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	3	0	0	3	16	5	0	1	28
				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	0	0	0	3	0	0	3	16	7	0	1	30
0300	0	0	0	1-10	0	0	0	0	1	0	0	2	17	6	2	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	0	0	1	0	0	2	17	6	2	2	30
0600	2	0	0	1-10	0	0	0	1	0	0	0	1	7	15	1	0	25
				11-27	0	0	0	0	0	0	0	0	0	0	1	2	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	1	0	0	0	1	7	15	2	2	28
0900	1	0	0	1-10	1	0	0	0	0	0	0	0	0	8	2	0	11
				11-27	0	0	0	0	0	0	0	1	1	7	7	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	1	0	0	0	0	0	0	1	1	15	9	2	29
1200	0	0	0	1-10	0	0	0	0	0	0	0	0	0	4	3	1	8
				11-27	0	0	0	0	0	0	0	0	2	9	10	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	0	0	0	0	0	0	0	0	2	13	13	2	30
1500	0	0	0	1-10	0	0	0	0	0	0	0	0	0	3	9	0	12
				11-27	0	0	0	0	0	0	0	0	1	7	10	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	0	0	0	0	0	0	0	0	1	10	19	0	30
1800	0	0	0	1-10	0	0	0	0	0	0	0	3	11	10	3	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	0	0	0	0	0	0	0	3	11	10	4	2	30
2100	1	0	0	1-10	0	0	0	0	0	0	0	5	14	8	0	0	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	0	0	0	0	0	0	0	5	15	8	1	0	29

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

LUXOR (A) — SEPTEMBER 1963

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	1	0	0	1	3	5	5	1	0	0	19
				11-27	0	0	0	0	0	0	0	0	1	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	1	0	0	1	3	5	6	1	0	0	20
0300	14	0	0	1-10	0	0	1	0	0	0	2	5	8	0	0	0	16
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	1	0	0	0	2	5	8	0	0	0	16
0600	22	0	0	1-10	0	0	1	0	1	0	0	0	1	4	0	0	7
				11-27	0	0	0	0	0	0	0	0	0	1	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	1	0	1	0	0	0	1	5	0	0	8
0900	1	0	0	1-10	13	1	0	0	0	0	0	0	0	2	4	8	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	14	1	0	0	0	0	0	0	0	2	4	8	29
1200	1	0	0	1-10	6	3	1	0	0	0	0	1	0	2	3	12	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	7	3	1	0	0	0	0	1	0	2	3	12	29
1500	7	0	0	1-10	9	0	0	0	0	0	0	0	0	3	3	8	23
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	0	0	0	0	0	0	0	0	3	3	8	23
1800	9	0	0	1-10	3	0	1	0	0	0	0	0	1	4	6	6	21
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	1	0	0	0	0	0	1	4	6	6	21
2100	14	0	0	1-10	0	1	0	0	0	3	1	2	3	2	2	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	1	0	0	0	3	1	2	3	2	2	2	16

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

ASWAN (A) — SEPTEMBER 1963

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	3	0	0	0	0	0	0	0	0	2	5	24
				11–27	4	0	0	0	0	0	0	0	0	0	0	2	6
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	18	3	0	0	0	0	0	0	0	0	2	7	30
0300	2	0	0	1–10	16	3	0	0	0	0	0	0	0	1	0	4	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	19	4	0	0	0	0	0	0	0	1	0	4	28
0600	2	0	0	1–10	7	6	0	0	0	0	0	0	1	1	1	1	17
				11–27	7	3	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	9	0	0	0	0	0	0	1	1	1	2	28
0900	1	0	0	1–10	3	4	0	0	0	0	1	1	0	0	1	0	10
				11–27	8	7	1	1	0	0	0	0	0	0	1	1	19
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	11	1	1	0	0	1	1	0	0	2	1	29
1200	1	0	0	1–10	5	5	3	0	0	0	0	0	1	3	3	1	21
				11–27	4	1	0	0	0	0	0	0	0	0	2	2	9
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	6	3	0	0	0	0	0	1	3	5	3	30
1500	0	0	0	1–10	5	3	1	1	0	0	0	0	0	1	2	4	17
				11–27	5	3	1	0	0	0	0	0	0	2	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	10	6	2	1	0	0	0	0	0	3	3	5	30
2100	3	0	0	1–10	3	1	0	0	0	0	0	0	0	3	2	2	11
				11–27	9	3	0	0	0	0	0	0	0	1	2	1	16
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	4	0	0	0	0	0	0	0	4	4	6	27
2400	0	0	0	1–10	9	0	0	1	0	0	0	0	0	2	4	4	20
				11–27	5	0	0	0	0	0	0	0	0	1	2	2	10
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	0	0	1	0	0	0	0	0	3	6	6	30

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

SIWA — SEPTEMBER 1963

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	1	6	9	2	1	0	0	0	0	0	0	19
				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	1	6	9	2	1	0	0	0	0	0	0	20
0300	14	0	0	1-10	3	2	4	4	2	0	0	0	0	0	0	0	15
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	2	4	4	2	0	0	0	0	0	0	0	16
0600	17	0	0	1-10	1	2	1	4	2	0	0	0	0	0	2	0	12
				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	3	1	4	2	0	0	0	0	0	2	0	13
0900	3	0	0	1-10	5	3	3	0	5	4	2	2	0	0	1	1	26
				11-27	0	0	0	0	0	0	0	1	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	3	3	0	5	4	2	3	0	0	1	1	27
1200	2	0	0	1-10	4	4	0	2	0	2	0	2	1	1	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	4	4	0	2	0	2	0	2	1	2	4	7	28
1500	3	0	0	1-10	9	2	1	0	0	0	0	0	2	2	11	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	9	2	1	0	0	0	0	0	2	2	11	0	27
1800	12	0	0	1-10	5	1	0	3	0	0	0	0	0	1	2	2	14
				11-27	1	2	1	0	0	0	0	0	0	0	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	3	1	3	0	0	0	0	0	1	2	2	18
2100	6	0	0	1-10	1	5	6	4	0	0	0	0	0	2	1	0	19
				11-27	0	1	3	0	1	0	0	0	0	0	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	6	9	4	1	0	0	0	0	2	1	0	24

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

BAHARIYA —SEPTEMBER 1963

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	4	0	0	1-10	13	10	1	0	0	0	0	0	0	1	0	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	13	10	1	0	0	0	0	0	0	1	0	1	26
0300	19	0	0	1-10	8	2	0	0	0	0	0	1	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	8	2	0	0	0	0	0	1	0	0	0	0	11
0600	14	0	0	1-10	9	6	0	0	0	0	0	0	0	0	1	0	16
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	6	0	0	0	0	0	0	0	0	1	0	16
0900	4	0	0	1-10	8	12	1	0	0	0	0	0	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	12	1	0	0	0	0	0	0	1	0	3	26
1200	2	0	0	1-10	9	5	0	0	0	0	0	1	1	0	0	8	24
				11-27	2	1	0	0	0	0	0	0	0	0	0	1	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	6	0	0	0	0	0	1	1	0	0	9	28
1500	1	0	0	1-10	12	5	1	0	0	0	0	0	0	2	0	7	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	12	6	1	0	0	0	0	0	0	2	0	8	29
1800	2	0	0	1-10	17	1	0	0	1	0	0	0	0	0	0	6	25
				11-27	2	0	1	0	0	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	19	1	1	0	1	0	0	0	0	0	0	6	28
2100	3	0	0	1-10	17	7	2	0	0	0	0	0	0	1	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	17	7	2	0	0	0	0	0	0	1	0	0	27

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS
DAKHLA — SEPTEMBER 1963

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	3	2	0	1	0	1	0	2	0	7	7	4	27
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	2	0	1	0	1	0	2	0	7	7	4	27
0300	3	0	0	1-10	1	1	0	2	0	1	1	2	1	5	13	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	1	1	0	2	0	1	1	2	1	5	13	0	27
0600	2	0	0	1-10	2	2	1	1	0	1	3	1	2	3	8	4	28
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	1	1	0	1	3	1	2	3	8	4	28
0900	0	0	0	1-10	13	5	0	0	0	0	0	1	0	0	5	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	14	5	0	0	0	0	0	1	0	0	5	5	30
1200	0	0	0	1-10	7	4	1	0	0	0	0	0	0	0	2	10	24
				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	12	4	1	0	0	0	0	0	0	0	2	11	30
1500	0	0	0	1-10	16	2	0	0	0	0	0	0	0	0	1	4	23
				11-27	3	3	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	19	5	0	0	0	0	0	0	0	0	1	5	30
1800	2	0	0	1-10	15	5	0	0	0	0	0	0	0	0	1	5	26
				11-27	1	0	0	0	0	0	0	0	0	0	0	1	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	16	5	0	0	0	0	0	0	0	0	1	6	28
2100	2	0	0	1-10	2	2	0	0	1	0	0	1	1	2	7	11	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	3	2	0	0	1	0	0	1	1	2	7	11	28

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

KHARGA — SEPTEMBER 1963

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	20	0	0	1-10	5	0	0	0	0	0	0	0	0	0	0	0	5
				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	10	0	0	0	0	0	0	0	0	0	0	0	10
0300	21	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	13	0	0	1-10	13	1	0	0	0	0	0	0	0	0	0	0	14
				11-27	2	0	0	0	0	0	0	0	0	0	0	1	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	1	0	0	0	0	0	0	0	0	0	1	17
0900	0	0	0	1-10	16	3	0	0	1	0	1	0	0	0	0	1	22
				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	22	5	0	0	1	0	1	0	0	0	0	1	30
1200	1	0	0	1-10	19	1	1	0	0	0	0	0	0	1	0	1	23
				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	24	2	1	0	0	0	0	0	0	1	0	1	29
1500	0	0	0	1-10	25	0	0	0	0	0	0	0	0	1	0	0	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	29	0	0	0	0	0	0	0	0	1	0	0	30
1800	13	0	0	1-10	16	0	0	0	0	0	0	0	0	0	0	0	16
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	17	0	0	0	0	0	0	0	0	0	0	0	17
2100	21	0	0	1-10	5	0	0	0	0	0	0	0	0	0	1	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	8	0	0	0	0	0	0	0	0	0	1	0	9

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

TOR — SEPTEMBER 1963

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	0	0	0	0	0	0	0	0	2	5	7
				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	0	0	0	0	12	5	17
0300	15	0	0	1-10	0	1	0	0	0	0	0	0	0	0	7	3	11
				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	0	1	0	0	0	0	0	0	0	0	10	4	15
0600	5	0	0	1-10	3	0	0	0	0	0	0	0	0	2	9	7	21
				11-27	0	0	0	0	0	0	0	0	0	0	2	2	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	0	0	0	0	0	0	0	2	11	9	25
0900	0	0	0	1-10	0	0	0	0	0	0	0	1	0	3	7	1	12
				11-27	0	0	0	0	0	0	0	0	0	1	15	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	1	0	4	22	3	30
1200	0	0	0	1-10	0	0	0	0	0	0	0	1	0	4	5	0	10
				11-27	0	0	0	0	0	0	0	0	0	1	16	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	0	0	0	0	0	0	0	1	0	5	21	3	30
1500	3	0	0	1-10	0	0	0	0	0	0	1	0	0	4	10	3	18
				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	1	0	0	5	15	6	27
1800	6	0	0	1-10	0	0	0	1	0	1	0	0	0	3	11	4	21
				11-27	1	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	1	0	0	1	0	1	0	0	0	3	13	5	24
2100	9	0	0	1-10	2	0	0	0	1	0	0	0	0	1	6	4	14
				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	2	0	0	0	1	0	0	0	0	1	9	8	21

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

HURGHADA — SEPTEMBER 1963

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	1	8	4	13
				11-27	0	0	0	0	0	0	0	0	0	5	8	3	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	0	0	0	0	0	0	0	0	0	6	16	8	30
0300	0	0	0	1-10	0	0	0	0	0	0	0	0	0	1	2	2	5
				11-27	0	0	0	0	0	0	0	0	0	2	16	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	0	0	0	0	0	0	0	0	0	3	18	9	30
0600	1	0	0	1-10	0	0	0	0	0	0	0	0	0	0	1	0	1
				11-27	0	0	0	0	0	0	0	0	0	0	12	16	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	0	0	0	0	0	0	0	0	0	0	13	16	29
0900	0	0	0	1-10	2	0	0	0	1	0	0	0	0	0	0	0	3
				11-27	3	0	0	0	0	0	0	0	0	0	0	24	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	5	0	0	0	1	0	0	0	0	0	0	24	30
1200	0	0	0	1-10	3	2	1	0	0	0	0	0	0	0	0	0	6
				11-27	16	0	0	0	0	0	0	0	0	0	0	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	19	2	1	0	0	0	0	0	0	0	0	8	30
1500	0	0	0	1-10	2	1	1	0	2	1	0	0	0	0	2	6	15
				11-27	1	0	0	0	0	0	0	0	0	0	1	13	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	1	1	0	2	1	0	0	0	0	3	19	30
1800	1	0	0	1-10	0	0	0	0	0	2	0	0	0	0	6	0	8
				11-28	0	0	0	0	0	1	0	1	0	0	14	5	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	3	0	1	0	0	20	5	29
2100	0	0	0	1-10	0	0	0	0	0	1	0	0	0	5	7	3	16
				11-27	0	0	0	0	0	0	0	0	0	7	5	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	1	0	0	0	12	12	5	30

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

QUSEIR — SEPTEMBER 1963

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	3	1-10	0	0	0	0	0	0	0	0	1	8	5	2	16
				11-27	1	0	0	0	0	0	0	0	0	1	1	3	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	0	0	1	9	6	5	22
0300	0	0	3	1-10	0	0	0	0	0	0	0	0	0	3	11	2	16
				11-27	0	0	0	0	0	0	0	0	0	0	3	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	0	0	0	0	0	0	0	0	0	3	14	10	27
0600	0	0	3	1-10	1	0	0	0	0	0	0	0	0	1	2	1	5
				11-27	4	0	0	0	0	0	0	0	0	0	1	17	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	0	0	0	0	0	0	0	0	1	3	18	27
0900	0	0	2	1-10	0	2	0	0	0	0	0	0	0	0	0	0	2
				11-27	17	0	0	0	0	0	0	0	0	0	0	9	26
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	17	2	0	0	0	0	0	0	0	0	0	9	28
1200	0	0	2	1-10	3	3	1	0	1	0	0	0	0	0	0	1	9
				11-27	12	1	0	0	0	0	0	0	0	0	0	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	15	4	1	0	1	0	0	0	0	0	0	7	28
1500	3	0	2	1-10	8	3	0	1	1	0	0	0	0	0	0	11	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	8	3	0	1	1	0	0	0	0	0	0	12	25
1800	11	0	2	1-10	1	0	0	0	0	1	0	0	0	1	6	7	16
				11-27	0	0	0	0	0	0	0	0	0	0	0	1	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	1	0	0	0	1	6	8	17
2100	11	0	2	1-10	0	0	0	0	0	0	1	0	1	6	6	2	16
				11-27	0	0	0	0	0	0	0	0	0	0	1	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	1	0	1	6	7	2	17

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — SEPTEMBER 1963

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	1010*mb.	1015*mb.	1000*mb.	30	23.4	27.2	18.8	30	18.7
1000	30	128	173	98	30	23.2	25.4	18.0	30	18.3
850	30	1529	1573	1498	30	17.4	21.3	10.3	25	2.2
700	30	3160	3206	3117	30	8.9	13.9	1.0	9	— 6.3
600	30	4417	4482	4344	30	1.1	6.2	— 4.2	4	—11.8
500	30	5869	5980	5756	30	— 9.1	— 4.0	—15.2	3	—17.8
400	30	7543	7640	7406	30	—22.1	—17.6	—28.8	—	—
300	30	9392	9720	9410	30	—37.8	—32.3	—43.3	—	—
200	30	12289	12450	12070	30	—53.1	—46.7	—60.4	—	—
150	29	14110	14271	13925	29	—60.9	—53.0	—65.0	—	—
100	23	16594	16758	16425	23	—65.3	—56.5	—69.1	—	—
60	15	19724	19878	19522	15	—60.6	—52.5	—62.9	—	—
40	12	22365	22428	22279	12	—57.0	—55.2	—59.4	—	—
30	11	24102	24268	23879	11	—53.7	—51.7	—56.7	—	—
20	8	26732	26.01	26567	8	—48.8	—47.3	—51.5	—	—
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

MERSA MATRUH (A) — 1200 U.T. — SEPTEMBER 1963

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	1010*mb.	1014*mb.	1006*mb.	30	26.8	28.8	24.5	30	18.7
1000	30	129	167	99	30	25.8	28.0	23.5	30	18.0
850	30	1536	1578	1560	30	18.0	21.8	12.7	17	4.4
700	30	3169	3218	3115	30	9.3	13.9	3.3	9	— 4.7
600	30	4429	4484	4348	30	1.2	5.5	— 4.1	6	—11.4
500	30	5869	5941	5772	30	— 8.6	— 5.0	—15.1	3	—21.2
400	30	7558	7643	7410	30	—22.0	—17.5	—28.6	1	—33.7
300	30	9611	9721	9414	30	—37.2	—31.6	—43.0	—	—
200	30	12314	12468	12063	30	—52.7	—49.0	—59.3	—	—
150	27	14141	14284	13922	27	—60.0	—53.4	—64.7	—	—
100	24	16621	16758	16474	24	—65.7	—61.0	—70.0	—	—
60	12	19753	19838	19514	12	—60.0	—56.3	—66.2	—	—
40	6	22331	22401	22187	6	—53.9	—51.0	—56 0	—	—
30	4	24198	24291	24057	4	—46.8	—35.9	—50.4	—	—
20	1	26876	—	—	1	—47.4	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Number of observation of specified pressure surfaces.

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—0000 U.T. — SEPTMEBER 1963

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	995*mb.	1001*mb.	990*mb.	29	23.0	26.5	21.5	29	18.3
1000	29	98	148	50	—	—	—	—	—	—
850	29	1504	1541	14[illegible]	29	19.9	23.6	14.2	22	3.9
700	29	3151	3220	3108	29	10.8	15.1	2.8	8	— 3.6
600	29	4414	4480	4338	29	2.9	7.7	— 3.5	3	—12.2
500	29	5862	593[illegible]	5752	29	— 7.2	— 2.5	—12.9	1	—13.0
400	29	7562	7658	7415	29	—19.6	—15.3	—26.2	1	—22.6
300	29	9630	9758	9133	29	—35.2	—29.7	—44.0	1	—45.7
200	28	12349	12521	12097	28	—52.0	—47.9	—55.8	—	—
150	27	14173	14348	13937	27	—61.8	—57.6	—66.1	—	—
100	25	16627	16770	16472	25	—68.8	—64.5	—72.5	—	—
60	22	19741	19879	19612	22	—61.5	—55.8	—63.8	—	—
40	18	22298	22450	22165	18	—55.1	—52.1	—57.7	—	—
30	12	24172	24318	24030	12	—52.0	—49.4	—53.8	—	—
20	10	26820	26970	26709	10	—47.9	—41.6	—50.9	—	—
10	1	31378	—	—	1	—45.7	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—1200 U.T. — SEPTMEBER 1963

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	994*mb.	1000*mb.	989*mb.	30	33.0	36.3	29.0	30	13.0
1000	30	90	140	53	—	—	—	—	—	—
850	30	1512	1566	1465	30	19.9	26.2	15.8	27	3.0
700	30	3157	3222	3102	30	10.6	15.0	3.1	10	— 6.6
600	30	4420	4483	4331	30	2.7	7.4	— 4.0	5	—10.0
500	30	5839	5927	5750	30	— 6.7	— 3.1	—12.3	3	—16.2
400	30	7570	7658	7413	30	—19.3	—15.5	—26.0	2	—28.8
300	28	9643	9758	9433	28	—31.4	—29.7	—41.0	1	—44.1
200	27	12375	12524	12116	27	—50.9	—44.0	—54.8	—	—
150	25	14205	14353	14016	25	—61.3	—54.6	—65.2	—	—
100	25	16666	16847	16530	25	—68.2	—61.5	—71.8	—	—
60	22	19797	19984	19672	22	—60.1	—55.6	62.9	—	—
40	19	22371	22468	22218	19	—52.6	—45.9	— 55.7	—	—
30	16	24234	24506	24063	16	—49.2	—44.1	— 52.5	—	—
20	2	26943	26948	26938	2	—43.2	—42.8	—43.6	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) —0000 U.T. — SEPTMEBER 1963

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	* 985mb.	* 988mb.	* 982mb.	29	27.2	33.4	24.0	29	6.1
1000	—	—	—	—	—	—	—	—	—	—
850	29	1492	1539	1460	29	22.7	26.9	18.6	23	1.7
700	29	3148	3219	3103	29	10.8	14.2	5.2	21	— 5.9
600	29	4408	4478	4350	29	0.2	4.2	— 6.0	21	—12.6
500	29	5845	5925	5783	29	— 8.1	— 4.2	—14.0	4	—18 3
400	29	7547	7625	7440	29	—18.5	—15.4	—25.4	1	—32.0
300	29	9631	9714	9464	29	—33.6	—30.0	—40.0	—	—
200	29	12355	124 3	12110	29	— 51.1	—50.9	—60.7	—	—
150	29	14153	14250	13857	29	—65.1	—62.1	—69.2	—	—
100	28	16548	16656	16255	28	— 74.8	—69.5	—79.6	—	—
60	22	19596	19706	19462	22	—64.5	—61.0	—67.9	—	—
40	17	22111	22256	21982	17	—57.6	—43.8	—63.2	—	—
30	2	23981	23985	23978	2	— 54.0	—54.0	—54.1	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — SEPTMEBER 1963

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	* 985mb.	* 988mb.	* 982mb.	30	39.9	44.5	36.6	30	9.3
1000	—	—	—	—	—	—	—	—	—	—
850	30	1517	1578	1484	30	26.8	32.3	21.9	13	0.6
700	30	3188	3249	3148	30	13.0	16.7	7.9	18	— 5.6
600	30	4463	4529	4416	30	3.5	6.2	— 0.2	20	—13.4
500	30	5916	5984	5855	30	— 5.2	— 0.2	— 9.1	4	—21.8
400	29	7636	7712	7565	29	—15.0	—13.5	—19.9	—	—
300	29	9742	9822	9642	29	—31.0	—27.8	—35.2	—	—
200	27	12492	12572	12336	27	—51.7	—49.4	—55.3	—	—
150	24	14311	14395	14181	24	—63.7	—60.3	—67.9	—	—
100	23	16738	16846	16592	23	—71.8	—66.7	—77.9	—	—
60	17	19840	19967	19711	17	—60.7	—57.8	—65.4	—	—
40	4	22404	22537	22275	4	—55.7	—50.2	—59.0	—	—
30	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

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 1963

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)	4585 (30)	590 (30)	—14.1 (4)	5310	538	—	3400	676	—16.0	13488 (23)	171 (23)	—61.1 (23)	16345	100	—66.8	10140	268	—48.9	13360	167	210	118
Helwan	4820 (29)	571 (29)	— 7.8 (4)	5540	523	—	3440	673	— 4.7	15165 (25)	130 (25)	—69.1 (25)	16606	100	—69.2	10200	205	—49.0	13250	174	250	133
Aswan . . . .(A)	4443 (29)	597 (29)	—12.5 (20)	4960	560	—	3380	655	—	15619 (28)	119 (28)	—71.4 (28)	17070	97	—78.8	13120	161	—68.5	11900	210	240	89

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

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 1963

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)	4632 (30)	640 (30)	— 9.1 (4)	5200	547	—	3640	656	—	13580 (22)	168 (22)	—60.9 (22)	15840	114	—71.2	11260	227	—53.5	13900	152	220	111
Helwan	4779 (30)	573 (30)	— 8.4 (4)	5470	529	—	3700	650	—	16166 (25)	132 (25)	—66.9 (25)	16847	100	—67.5	10200	265	—47.4	10600	200	210	115
Aswan . . . (A)	4954 (30)	565 (30)	—14.3 (18)	5890	502	—	4350	573	—17.7	15672 (23)	122 (23)	—71.6 (23)	16745	100	—73.0	13860	163	—63.1	4500	596	260	80

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

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 1963

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	13	1	14	1	1	2	4	0	—	1	6	1	7	0	—	1	5	1	4	3	11	5	10	3	30	9
1000	10	12	1	14	1	1	2	4	0	—	1	6	1	7	0	—	1	5	1	5	4	14	6	12	2	30	10
850	5	17	4	9	1	11	1	5	1	15	0	—	0	—	0	—	0	—	5	14	3	18	10	15	0	30	14
700	5	12	2	12	1	5	1	9	0	—	1	11	0	—	1	21	1	19	7	16	6	14	5	16	0	30	14
600	2	8	1	9	0	—	1	11	1	6	1	13	0	—	2	19	3	18	7	20	8	18	4	10	0	30	16
500	1	12	0	—	1	9	0	—	1	15	2	17	0	—	2	25	5	19	7	23	9	22	2	13	0	30	20
400	0	—	1	10	0	—	0	—	1	13	0	—	1	40	4	37	4	16	12	29	4	27	3	9	0	30	28
300	0	—	0	—	0	—	1	14	0	—	0	—	0	—	5	44	11	26	8	30	5	37	0	—	0	30	31
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	55	11	37	6	44	4	36	0	—	0	29	43
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	16	33	7	40	5	43	4	39	0	—	0	26	38
100	0	—	0	—	0	—	0	—	0	—	1	17	2	12	2	13	7	23	2	34	0	—	0	—	1	15	20
60	0	—	0	—	1	18	2	16	1	13	0	—	1	1	0	—	1	1	1	9	0	—	0	—	1	8	9
40	0	—	0	—	4	11	1	15	0	—	0	—	0	—	0	—	1	1	0	—	0	—	0	—	1	7	8
30	0	—	0	—	3	15	1	2	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	4	12
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	14	7	11	0	—	2	13	0	—	0	—	0	—	0	—	0	—	0	—	2	17	8	14	0	30	13
1000	9	12	4	10	0	—	2	13	0	—	0	—	0	—	0	—	0	—	0	—	4	17	11	16	0	30	14
850	8	11	1	4	0	—	0	—	1	17	0	—	0	—	2	12	3	11	3	18	6	12	6	12	0	30	12
700	2	8	1	14	1	5	2	4	0	—	0	—	2	10	3	14	0	—	4	25	7	15	7	16	1	30	14
600	2	14	1	13	0	—	0	—	—	8	2	8	2	22	2	33	1	11	5	17	11	16	1	20	1	30	16
500	0	—	2	10	0	—	0	—	1	16	1	12	4	22	3	25	5	15	6	22	6	22	1	17	1	30	19
400	0	—	1	16	0	—	0	—	1	17	0	—	0	—	10	31	4	16	9	24	4	31	1	21	0	30	25
300	0	—	1	6	0	—	0	—	0	—	0	—	0	—	8	39	8	27	10	38	3	35	0	—	0	30	34
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	60	11	37	8	39	4	55	0	—	0	26	43
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	52	9	27	2	51	3	55	0	—	0	18	40
100	0	—	0	—	1	10	0	—	0	—	2	8	2	6	1	18	4	16	1	34	1	13	1	8	0	13	3
60	0	—	0	—	2	10	2	6	1	12	0	—	0	—	0	—	0	—	2	32	0	—	0	—	0	7	15
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	13	9	13	12	2	10	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	5	0	29	10
1000	0	—	1	18	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	1	18
850	7	15	4	12	3	9	0	—	0	—	0	—	2	12	1	12	1	14	1	19	5	12	5	12	0	29	12
700	0	—	2	9	4	9	0	—	0	—	0	—	2	14	3	15	2	16	5	13	4	16	7	15	0	29	14
600	1	8	1	12	2	13	2	6	1	5	0	—	0	—	3	26	4	21	10	15	2	26	3	22	0	29	17
500	1	9	0	—	0	—	2	14	0	—	0	—	1	20	2	38	7	21	9	26	4	23	3	8	0	29	22
400	2	10	0	—	0	—	0	—	0	—	0	—	0	—	4	37	7	28	14	27	0	—	2	22	0	29	27
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	32	13	38	10	41	1	48	0	—	0	27	39
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	46	12	63	7	58	0	—	0	—	0	25	57
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	45	11	53	6	54	0	—	0	—	0	20	52
100	0	—	0	—	0	—	0	—	—	—	0	—	1	10	5	29	8	28	3	74	0	—	0	—	0	17	35
60	0	—	1	12	3	12	1	17	—	—	0	—	0	—	1	8	0	—	0	—	0	—	1	8	0	7	11
40	0	—	0	—	3	18	2	12	1	25	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	6	17
30	0	—	0	—	0	—	3	28	1	20	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	4	26
20	0	—	0	—	0	—	0	—	2	26	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	2	26
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	10	9	14	1	12	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	10	7	9	0	30	11
1000	1	6	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	1	6
850	1	15	5	14	4	9	0	—	1	13	0	—	1	18	1	17	3	10	2	12	2	18	7	11	0	30	13
700	0	—	0	—	3	9	2	6	0	—	0	—	3	15	3	23	4	22	6	12	4	18	5	13	0	30	15
600	0	—	1	17	3	11	1	14	0	—	0	—	1	15	5	29	8	17	8	15	1	15	2	8	0	30	17
500	0	—	0	—	0	—	3	9	0	—	0	—	4	17	4	28	7	26	7	20	2	20	3	7	0	30	20
400	1	5	0	—	0	—	1	6	0	—	0	—	1	18	5	30	9	30	8	26	5	19	0	—	0	30	26
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	50	14	42	8	37	3	52	0	—	0	28	43
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	36	12	54	9	51	0	—	0	—	0	23	51
150	0	—	0	—	0	—	0	—	0	—	0	—	1	6	4	37	6	57	8	47	0	—	0	—	0	19	46
100	1	14	0	—	1	45	0	—	0	—	0	—	2	15	2	20	2	20	3	32	2	8	0	—	1	14	20
60	1	18	0	—	1	15	3	18	1	18	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	9	17
40	0	—	0	—	1	30	3	23	1	19	0	—	1	55	0	—	0	—	0	—	0	—	0	—	0	6	29
30	0	—	0	—	0	—	1	13	1	32	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	2	22
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	11	2	12	0	—	2	19	0	—	0	—	0	—	0	—	0	—	0	—	2	8	3	12	2	29	10
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	2	5	3	14	3	14	1	19	4	10	1	3	1	7	2	20	2	10	5	11	3	10	2	6	0	29	10
700	1	62	0	—	1	17	2	12	1	10	2	7	4	12	7	24	10	18	1	17	0	—	0	—	0	29	19
600	0	—	1	12	1	6	1	14	2	10	2	12	2	34	10	24	9	22	0	—	0	—	1	40	0	29	21
500	1	8	0	—	1	12	1	6	0	—	3	10	4	12	8	14	6	22	2	8	3	18	0	—	0	29	14
400	0	—	2	12	1	12	0	—	1	4	2	23	4	17	5	17	6	19	3	13	3	23	2	10	0	29	17
300	0	—	0	—	0	—	0	—	1	5	3	11	2	8	9	22	7	24	4	23	1	20	1	59	1	29	20
200	0	—	0	—	0	—	0	—	2	17	1	7	1	16	12	24	10	29	2	18	0	—	0	—	1	29	23
150	0	—	0	—	1	5	1	23	1	21	3	16	1	7	10	23	9	32	1	39	0	—	0	—	0	27	24
100	0	—	1	7	1	4	1	10	3	25	2	20	3	18	8	23	3	40	0	—	0	—	0	—	0	22	23
60	0	—	0	—	2	12	2	10	2	22	0	—	1	13	2	24	1	55	0	—	0	—	0	—	0	10	21
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	13	9	2	6	0	—	2	6	0	—	0	—	0	—	1	5	1	5	1	12	6	10	3	10	1	30	8
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	3	8	0	—	1	6	3	8	1	9	2	4	1	3	2	15	2	10	4	10	9	11	2	8	0	30	9
700	0	—	0	—	0	—	2	8	1	13	2	14	1	4	9	23	11	20	4	26	0	—	0	—	0	30	20
600	0	—	0	—	1	2	0	—	0	—	3	8	3	17	14	25	7	18	2	44	0	—	0	—	0	30	21
500	0	—	0	—	1	13	0	—	1	7	7	11	3	11	9	20	4	20	2	16	3	8	0	—	0	30	15
400	1	2	2	17	1	2	4	12	1	12	1	23	2	11	7	15	4	25	2	25	2	20	2	14	0	29	16
300	0	—	2	10	0	—	3	9	1	14	1	3	5	21	5	19	8	28	3	16	1	7	0	—	0	29	19
200	0	—	0	—	0	—	1	31	1	20	2	4	1	8	12	29	5	18	3	22	0	—	0	—	0	25	23
150	0	—	0	—	0	—	1	8	3	19	0	—	6	18	5	17	5	19	3	21	0	—	0	—	0	23	18
100	0	—	0	—	1	13	3	17	3	17	2	10	1	11	5	17	1	27	0	—	0	—	0	—	0	16	16
60	0	—	0	—	1	24	3	17	1	25	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	5	20
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

REVIEW OF AGRO-METEOROLOGICAL STATIONS

GIZA — SEPTEMBER 1963

This month was warm and slightly dry as compared with normal values of air temperature and relative humidity at Giza during September The mean air temperature at 2 metres above ground was above normal (+ 1.5°C) and the mean relative humidity was below normal (—3%). The month was characterized by a moderate heat wave between the 27th. and the 29th. which reached its peak on the 28th. when the absolute maximum temperature for the month was reported. The mean daily air temperature. and the night time mean air temperature at 2 metres above ground were the highest for September since 1956. The day time mean air temperature and the mean daily Piche evaporation were equal to the corresponding values of September 1962 ; and the values for the two consecutive years were the highest for September since 1956.

The extreme maximum soil temperature at 0.5. 1 and 2 cms depths in the dry field were lower than the corresponding values of last September by —1.2, —3.2 and —0.1°C respectively. At other depths the values were higher. the difference ranged between +0.5°C at 5. 50 and 100 cms depths, and +0.1°C at 20 cms depths. The extreme minimum soil temperatures at different depths with the exception of 10 cms depth where the value was equal to that of September 1962 — were higher than the corresponding values of last year. The difference ranged between +1.5°C at 1 cm depth and +0.2°C at 20. 50 and 100 cms depths.

The daily mean wind speed at 2 metres above ground was the same as that of September 1962. The mean daily values of Piche evaporation. water pan evaporation. potential evaporation and potential evapotranspiration were different from the corresonding values of September 1962 by 0.0, —0.31, —0.3 & +0.1 mms. respectively. The total actual duration of bright sunshine was 1.1 hours higher than the corresponding value of September 1962.

TAHRIR — SEPTEMBER 1963

This month was characterized by frequent fog and mist. The variability in temperature was less than 5 °C for the maximum temperatures and less than 6°C for the minimum temperatures.

The deviations of the different elements from last September's were as follows ; +0.4°C, —4%. ± 0.0 mm. for mean air temperature, rlative humidity and vapour pressure respectively. For mean wind speed at 2 metres, mean Piche and pan 'A' evaporation. they were — 0.1 m/sec., + 0.6 mm. and +0.1 mm. respectively. Sunshine actuel duration was more by 18 hours or 5% of the possible duration. Rainfall was 0.0 mm. against 3.4 mms in September 1962.

As for extreme soil temperatures, the maxima were more or less the same, minima were very slightly less down to 2 cms depth, but more by 0.6 to 2.0°C between 5 cms and 1 metre depths.

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

GIZA — SEPTEMBER 1963

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 °
1	33.8	18.9	26.8	24.6	28.5	24.0	24.0	24.0	24.0	24.0	23.0	14.0	8.0	0.0	0.0	0.0
2	34.5	20.4	26.7	24.0	29.4	24.0	24.0	24.0	24.0	24.0	24.0	13.0	7.5	0.0	0.0	0.0
3	33.0	21.2	26.5	23.7	28.3	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.0	0.0	0.0	0.0
4	34.6	21.2	27.4	24.7	29.4	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.5	0.0	0.0	0.0
5	34.4	21.8	27.6	25.5	29.3	24.0	24.0	24.0	24.0	24.0	24.0	14.5	8.0	0.0	0.0	0.0
6	34.5	19.8	26.8	27.3	29.2	24.0	24.0	24.0	24.0	24.0	24.0	13.5	8.0	0.0	0.0	0.0
7	34.5	19.8	26.8	23.9	29.3	24.0	24.0	24.0	24.0	24.0	24.0	14.0	8.0	0.0	0.0	0.0
8	34.6	20.9	27.0	24.4	29.3	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.5	0.0	0.0	0.0
9	35.7	21.4	27.2	24.5	30.1	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
10	34.0	22.3	27.2	24.2	30.1	24.0	24.0	24.0	24.0	24.0	24.0	14.5	8.0	0.0	0.0	0.0
11	32.6	21.8	26.9	25.2	28.4	24.0	24.0	24.0	24.0	24.0	24.0	14.5	5.5	0.0	0.0	0.0
12	32.0	20.4	26.2	24.7	28.0	24.0	24.0	24.0	24.0	24.0	24.0	13.5	5.0	0.0	0.0	0.0
13	32.6	19.7	25.7	23.8	27.5	24.0	24.0	24.0	24.0	24.0	24.0	12.5	4.5	0.0	0.0	0.0
14	3[illegible].5	18.5	25.7	23.6	27.4	24.0	24.0	24.0	24.0	24.0	22.5	13.0	5.0	0.0	0.0	0.0
15	34.0	22.6	26.9	24.9	29.9	24.0	24.0	24.0	24.0	24.0	24.0	13.5	6.5	0.0	0.0	0.0
16	37.4	21.0	27.5	24.3	28.8	24.0	24.0	24.0	24.0	24.0	24.0	13.0	6.0	0.0	0.0	0.0
17	33.8	21.7	26.4	24.0	28.4	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.0	0.0	0.0	0.0
18	3[illegible].6	20.8	25.9	24.2	27.8	24.0	24.0	24.0	24.0	24.0	24.0	13.0	4.0	0.0	0.0	0.0
19	32.1	18.8	25.5	23.5	27.1	24.0	24.0	24.0	24.0	24.0	22.0	12.5	2.0	0.0	0.0	0.0
20	35.2	18.7	27.0	23.4	29.1	24.0	24.0	24.0	24.0	24.0	20.0	16.5	8.0	0.0	0.0	0.0
21	34.8	19.8	27.2	25.6	30.2	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.0	0.0	0.0	0.0
22	32.8	19.9	26.0	23.4	28.1	24.0	24.0	24.0	24.0	24.0	24.0	12.5	5.0	0.0	0.0	0.0
23	32.3	20.0	25.5	24.4	27.2	24.0	24.0	24.0	24.0	24.0	24.0	11.5	5.0	0.0	0.0	0.0
24	34.7	19.8	25.9	23.6	28.3	24.0	24.0	24.0	24.0	24.0	24.0	13.0	6.0	0.0	0.0	0.0
25	31.7	19.6	25.1	23.6	27.1	24.0	24.0	24.0	24.0	24.0	22.5	11.5	2.0	0.0	0.0	0.0
26	31.2	17.4	24.4	22.7	26.4	24.0	24.0	24.0	24.0	24.0	23.0	10.5	1.5	0.0	0.0	0.0
27	32.6	19.8	25.2	22.6	27.4	24.0	24.0	24.0	24.0	24.0	24.0	10.5	4.5	0.0	0.0	0.0
28	36.0	21.6	27.2	23.7	29.8	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
29	33.0	22.4	26.4	27.0	28.2	24.0	24.0	24.0	24.0	24.0	24.0	13.5	3.0	0.0	0.0	0.0
30	31.1	21.8	27.0	24.4	27.6	24.0	24.0	24.0	24.0	24.0	24.0	14.5	0.0	0.0	0.0	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	720.0	720.0	720.0	720.0	720.0	709.0	401.5	171.0	0.0	0.0	0.0
Mean	33.5	20.5	26.4	24.1	28.5	24.0	24.0	24.0	24.0	24.0	23.6	13.4	6.0	0.0	0.0	0.0

Highest maximum at 2 metres 36.0 °C on 28th — Highest minimum at 2 metres 22.6 °C on 15th

Lowest maximum at 2 metres 31.1 °C on 30th — Lowest minimum at 2 metres 17.4 °C on 26th

Absolute minimum temperature at 5 cms. Above dry soil 15.0 °C on 26 th.

" " " " " " wet soil 15.2 °C on 26 th.

" " " " " " grass 13.3 °C on 26 th.

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

TAHRIR — SEPTEMBER 1963

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	35.1	19.7	26.6	23.6	29.2	24.0	24.0	24.0	24.0	24.0	24.0	13.0	6.5	0.0	0.0	0.0
2	33.9	21.6	26.6	23.9	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	33.3	20.9	26.4	23.8	28.7	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.0	0.0	0.0	0.0
4	35.0	22.3	27.3	24.3	29.8	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
5	35.5	20.6	27.2	23.8	29.8	24.0	24.0	24.0	24.0	24.0	24.0	14.5	8.0	0.0	0.0	0.0
6	35.2	19.9	26.8	24.0	29.7	24.0	24.0	24.0	24.0	24.0	24.0	13.0	8.0	0.0	0.0	0.0
7	35.5	20.2	26.7	23.4	29.5	24.0	24.0	24.0	24.0	24.0	24.0	12.5	7.5	0.0	0.0	0.0
8	35.6	19.6	26.8	23.8	29.8	24.0	24.0	24.0	24.0	24.0	23.5	13.0	7.5	0.0	0.0	0.0
9	35.7	19.7	27.1	23.5	30.4	24.0	24.0	24.0	24.0	24.0	24.0	14.0	7.5	0.0	0.0	0.0
10	33.2	21.3	26.8	24.2	29.2	24.0	24.0	24.0	24.0	24.0	24.0	15.5	6.5	0.0	0.0	0.0
11	33.0	21.2	26.4	24.6	28.7	24.0	24.0	24.0	24.0	24.0	24.0	13.0	6.0	0.0	0.0	0.0
12	32.2	18.7	25.2	22.3	27.9	24.0	24.0	24.0	24.0	24.0	24.0	12.5	5.0	0.0	0.0	0.0
13	32.2	20.7	25.6	23.0	28.2	24.0	24.0	24.0	24.0	24.0	24.0	12.0	5.0	0.0	0.0	0.0
14	32.4	19.5	25.5	22.5	28.0	24.0	24.0	24.0	24.0	24.0	22.5	13.5	4.5	0.0	0.0	0.0
15	33.3	21.4	26.4	24.2	28.8	24.0	24.0	24.0	24.0	24.0	24.0	13.0	5.5	0.0	0.0	0.0
16	33.3	20.8	25.9	23.3	28.5	24.0	24.0	24.0	24.0	24.0	24.0	12.0	5.5	0.0	0.0	0.0
17	33.4	21.7	26.0	23.4	28.5	24.0	24.0	24.0	24.0	24.0	24.0	12.0	5.5	0.0	0.0	0.0
18	33.0	19.5	25.3	22.9	27.7	24.0	24.0	24.0	24.0	24.0	23.5	11.5	3.5	0.0	0.0	0.0
19	31.8	19.4	24.8	22.4	27.3	24.0	24.0	24.0	24.0	24.0	21.0	11.0	3.0	0.0	0.0	0.0
20	35.2	18.4	26.1	21.9	29.3	24.0	24.0	24.0	24.0	24.0	20.0	13.0	7.0	0.0	0.0	0.0
21	33.1	21.0	26.4	24.3	29.2	24.0	24.0	24.0	24.0	24.0	21.0	11.5	5.5	0.0	0.0	0.0
22	33.1	20.2	25.5	22.4	28.2	24.0	24.0	24.0	24.0	24.0	24.0	12.0	5.0	0.0	0.0	0.0
23	33.6	19.8	24.9	22.7	27.2	24.0	24.0	24.0	24.0	24.0	24.0	11.5	3.0	0.0	0.0	0.0
24	32.7	19.2	25.4	22.4	28.1	24.0	24.0	24.0	24.0	24.0	21.5	11.5	6.0	0.0	0.0	0.0
25	30.8	18.8	24.2	22.3	26.8	24.0	24.0	24.0	24.0	24.0	21.0	10.0	0.5	0.0	0.0	0.0
26	30.8	17.0	23.1	20.6	25.7	24.0	24.0	24.0	24.0	24.0	16.0	9.0	0.0	0.0	0.0	0.0
27	30.9	16.7	23.8	20.4	26.5	24.0	24.0	24.0	24.0	24.0	17.0	10.0	2.0	0.0	0.0	0.0
28	33.0	20.2	25.4	22.5	28.1	24.0	24.0	24.0	24.0	24.0	24.0	12.0	5.0	0.0	0.0	0.0
29	32.5	19.1	25.0	22.6	27.5	24.0	24.0	24.0	24.0	24.0	22.0	11.0	4.0	0.0	0.0	0.0
30	31.6	21.7	25.9	23.8	28.0	24.0	24.0	24.0	24.0	24.0	24.0	11.5	4.5	0.0	0.0	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	744.0	744.0	744.0	744.0	744.0	688.0	371.0	157.0	0.0	0.0	0.0
Mean	33.3	20.0	25.8	23.1	28.4	24.0	24.0	24.0	24.0	24.0	22.9	12.4	5.2	0.0	0.0	0.0

Highest maximum at 2 metres 35.7°C on 9th. Highest minimum at 2 metres 22.3°C on 4th.

Lowest maximum at 2 metres 30.8°C on 25,26th. Lowest minimum at 2 metres 16.7°C on 27th.

Absolute minimum temperature at 5 cms. above dry soil 14.8 °C on 26th.

" " " " " 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 — SEPTEMBER 1963

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 %	>95%	>80%	Mean of the day	at 1200 U.T.	Mean of the day	at 1200 U.T.	Piche	Pan class (A)	
1	2.1	1.5	2.9	550	11.7	12.8	91	2	6	67	34	14.7	12.9	15.8	10.60	0.0
2	1.9	1.3	2.8	553	11.5	12.8	88	3	7	65	44	16.9	16.8	12.4	9.72	0.0
3	1.6	1.0	2.4	541	10.8	12.7	85	0	7	64	39	15.7	13.6	13.5	9.15	0.0
4	2.1	1.4	3.1	520	10.6	12.7	83	5	9	72	35	17.2	14.0	14.2	8.69	0.0
5	2.6	2.0	3.4	539	11.1	12.7	87	5	8	60	38	14.9	14.3	14.9	10.15	0.0
6	2.1	1.2	3.3	533	11.6	12.6	84	[illegible]	9	70	35	16.0	14.2	14.9	10.16	0.0
7	2.1	1.6	2.7	510	9.7	12.6	77	[illegible]	8	71	34	16.1	13.3	13.9	10.72	0.0
8	1.8	1.2	2.6	451	8.9	12.6	71	5	9	74	37	16.7	14.5	13.9	8.15	0.0
9	2.3	1.6	3.4	498	9.8	12.6	78	5	9	71	36	16.5	15.1	17.1	10.31	0.0
10	1.9	1.3	2.8	499	10.0	12.5	80	5	9	75	44	18.5	17.7	13.9	8.20	0.0
11	1.8	1.4	2.3	556	11.9	12.5	95	[illegible]	5	59	59	14.7	13.6	14.5	9.17	0.0
12	1.9	1.4	2.6	545	11.2	12.4	90	0		61	45	15.2	14.8	13.4	8.86	0.0
13	1.8	1.1	2.8	516	11.2	12.4	90	1	[illegible]	68	47	15.7	15.0	12.8	8.01	0.0
14	1.9	1.3	2.9	559	10.9	12.4	88	1	7	69	43	16.0	14.7	12.7	8.95	0.0
15	1.5	0.8	2.6	529	11.1	12.4	89	0	7	72	43	17.6	16.0	12.6	9.39	0.0
16	1.6	1.0	2.6	522	10.7	12.3	87	0	9	71	33	15.7	12.3	13.9	8.48	0.0
17	1.4	1.2	1.7	451	10.3	12.3	84	0	8	67	38	15.4	12.9	12.2	7.22	0.0
18	1.2	0.8	1.9	532	11.3	12.3	92	0	5	64	37	14.4	12.5	12.6	8.73	0.0
19	1.3	0.8	2.0	405	10.3	12.3	84	2	6	65	39	14.6	12.8	13.3	8.38	0.0
20	1.1	0.9	1.4	478	11.1	12.2	91	0	5	54	30	13.6	11.9	14.9	8.44	0.0
21	2.5	0.9	4.7	494	10.9	12.2	89	0	0	58	34	14.6	13.4	18.7	12.18	0.0
22	2.8	2.5	3.1	470	10.9	12.2	89	2	8	72	41	16.3	14.5	13.9	8.41	0.0
23	1.9	1.7	2.2	476	10.0	12.2	82	4	9	74	33	15.5	12.6	13.1	9.30	0.0
24	1.1	1.1	1.8	452	10.9	12.1	90	4	7	64	33	14.3	12.2	13.4	7.45	0.0
25	1.9	1.3	2.8	451	11.2	12.1	93	0	6	66	38	14.1	12.3	15.6	8.31	0.0
26	2.6	2.1	3.3	485	11.2	12.0	93	0	1	60	38	12.9	12.1	18.1	11.32	0.0
27	3.6	3.3	4.1	465	11.0	12.0	92	0	0	70	48	15.8	16.4	14.1	8.93	0.0
28	3.1	3.0	3.4	4.0	10.9	12.0	91	0	8	73	42	18.1	17.0	13.6	9.30	0.0
29	3.0	3.0	2.9	242	3.8	12.0	32	0	9	74	52	18.8	18.6	10.3	7.07	Tr.
30	2.7	2.5	3.0	166	0.8	11.9	7	2	9	80	58	18.6	17.6	8.8	5.98	Tr.
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	14415	305.8	370.8	2470	57	200	—	—	—	—	417.0	269.73	Tr.
Mean	2.0	1.5	2.8	480	10.2	12.4	82	2	6	68	40	15.8	14.3	13.9	8.99	—

Maximum amount of rainfall in one day	Tr.	mms.	on	29-30th.
Lowest value of relative humidity	30	%	on	20.24th.
Highest value of vapour pressure	20.6	mms.	on	6 th.
Lowest value of vapour pressure	10.3	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 — SEPTEMBER 1963

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 millimetrs
	Mean of the day	Night time mean	Day time mean		Total actual	Total possible	Percentage %	>90%	>80%	Mean of the day	at 1200 U.T.	Mean of the day	at 1200 U.T.	Piche	Pan class (A)	
1	2.8	2.1	3.8	644	11.9	12.8	93	5	10	71	33	16.1	13.4	11.7	10.10	0.0
2	3.4	2.3	4.7	611	10.0	12.8	78	5	9	78	31	17.8	15.4	15.0	11.53	0.6
3	3.0	2.6	3.7	625	11.6	12.8	91	0	7	72	42	17.1	15.1	12.0	9.26	0.0
4	3.0	2.4	3.9	588	11.3	12.7	89	4	12	80	42	19.4	17.3	12.8	10.27	0.0
5	2.8	2.4	3.5	605	10.5	12.7	91	8	11	78	33	17.8	12.9	13.9	10.80	0.0
6	3.0	2.2	4.1	617	11.0	12.6	87	7	9	72	33	16.3	13.0	16.0	12.54	0.0
7	2.6	2.1	3.4	573	9.3	12.6	74	7	10	80	28	16.1	11.6	14.6	10.70	0.0
8	2.8	1.5	4.4	599	10.1	12.6	80	6	10	78	39	18.1	15.7	13.8	10.90	0.0
9	3.8	2.6	5.4	634	11.8	12.6	94	6	9	76	36	17.7	14.9	18.1	14.70	0.9
10	3.2	2.4	4.4	612	11.4	12.5	91	6	8	76	42	18.1	15.8	13.9	11.71	0.0
11	2.9	2.6	3.5	607	11.6	12.5	93	0	1	65	35	15.0	12.8	11.6	11.01	0.0
12	2.5	1.6	3.8	618	11.5	12.4	93	4	8	64	40	14.9	13.7	14.6	9.35	0.0
13	3.1	2.1	4.5	601	11.6	12.4	94	0	7	69	48	16.3	15.7	14.7	11.71	0.0
14	3.2	2.5	4.3	613	11.4	12.4	92	0	7	70	46	16.6	16.3	11.1	10.48	0.0
15	3.5	2.6	4.5	607	11.2	12.4	90	1	9	75	44	17.7	16.0	13.7	10.43	0.0
16	3.6	2.9	4.5	591	10.2	12.3	83	0	8	72	43	16.8	15.9	14.8	10.42	0.0
17	3.1	3.0	3.4	556	9.7	12.3	79	1	7	71	36	15.6	12.8	13.2	10.16	0.0
18	3.1	2.6	3.8	606	11.4	12.3	93	0	4	65	41	14.7	14.1	13.1	9.50	0.0
19	2.8	2.3	3.6	555	11.4	12.3	93	0	6	64	39	14.0	12.8	12.6	9.68	0.0
20	1.7	1.3	2.3	555	10.6	12.2	87	1	7	66	31	15.0	12.4	14.5	10.19	0.0
21	4.6	3.6	6.0	537	10.8	12.2	89	0	8	74	42	16.5	15.2	15.0	11.70	0.0
22	3.2	2.5	4.2	519	9.7	12.2	80	6	10	76	41	16.7	14.2	12.9	9.51	0.0
23	2.7	2.0	3.6	479	7.5	12.2	61	5	9	76	37	15.7	12.7	10.2	7.82	0.0
24	2.2	1.8	2.8	574	11.2	12.1	93	0	9	67	34	14.1	11.3	12.5	9.25	0.0
25	2.8	2.0	3.8	537	10.1	12.1	82	0	6	68	41	14.0	12.5	13.0	9.95	0.0
26	2.8	2.0	4.0	568	10.8	12.0	90	0	5	65	40	12.9	11.9	13.6	10.23	0.0
27	3.1	2.3	4.3	549	11.0	12.0	92	0	6	68	47	14.9	15.1	12.3	8.69	0.0
28	3.6	2.7	4.5	522	9.7	12.0	81	0	10	76	52	18.0	18.6	11.5	9.36	0.0
29	3.0	2.3	3.9	375	5.6	12.0	46	6	11	80	50	17.8	17.2	11.3	7.47	0.0
30	3.6	3.1	4.2	362	2.8	11.9	24	0	11	79	59	17.9	16.7	9.4	7.41	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	17039	308.7	370.9	—	78	244	—	—	—	—	406.4	307.03	0.0
Mean	3.0	2.3	4.0	568.0	10.3	12.4	83	2.6	8.1	72	40	16.3	14.4	13.5	10.24	0.0

Maximum amount of rainfall in one day	0	mms.	on	—
Lowest value of relative humidity	28	%	on	7,24th
Highest value of vapour pressure	21.3	mms.	on	5th
Lowest value of vapour dressure	8.9	mms.	on	24th

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

GIZA — SEPTEMBER 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	57.0	17.4	35.1	17.4	32.2	21.8
1	54.6	19.0	33.4	17.6	34.2	21.3
2	53.2	19.5	31.8	18.2	34.0	21.5
5	42.2	24.7	30.2	20.0	29.4	22.9
10	37.6	28.0	28.8	21.4	29.2	23.8
20	34.0	30.4	27.6	23.6	28.9	25.1
50	33.7	31.5	27.5	25.2	27.7	26.0
100	32.2	31.3	27.0	25.7	26.6	25.7
200	29.7	29.4	25.1	24.6	25.1	24.7
300	27.7	27.0	—	—	—	—

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

TAHRIR — SEPTEMBER 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	52.5	17.1	—	—	—	—
1	50.4	17.6	—	—	—	—
2	48.5	18.0	—	—	—	—
5	45.4	20.7	—	—	—	—
10	40.4	23.6	—	—	—	—
20	35.4	27.4	—	—	—	—
50	32.4	29.5	—	—	—	—
100	31.4	29.9	—	—	—	—
200	29.6	29.2	—	—	—	—
300	28.5	28.2	—	—	—	—
600	25.8	25.2	—	—	—	—

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 1963

10 Knots or more	30 Days	30 Knots or more	0 Days
15 ,, ,, ,,	22 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	4 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	0 ,,	The highest gust 26 knots on 21st	

Table C 4—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES RÉACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTÉS

TAHRIR — SEPTEMBER 1963

10 Knots or more	30 Days	30 Knots or more	0 Days
15 ,, ,, ,,	18 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	1 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	0 ,,	The highert gust 26 knotson 9th	

PRINTED IN ARAB REPUBLIC OF EGYPT
BY THE GENERAL ORGANIZATION
FOR GOVT. PRINTING OFFICES. CAIRO
First Under-Secretary of State
ALY SULTAN ALY
Chairman of the Board of Directors

880-1971-150

THE ARAB REPUBLIC OF EGYPT

MONTHLY WEATHER REPORT

VOLUME 6 NUMBER 10

OCTOBER, 1963

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

THE EGYPTIAN METEOROLOGICAL AUTHORITY
CAIRO

CONTENTS

PAGES

General Summary of Weather Conditions 1-3

Su fac Da a

Table A 1.—Monthly Mean Values of Atmospheric Pressure at Fixed Hours Corrected to "Hp" and to Mean Sea Le el . . . . . 4•5

„ A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours . . . . . 6•7

„ A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity . . . . . 8•9

„ A 4.—Maximum and Minimum Air Temperatures . . . . . 10•11

„ A 5.—Rainfall and Snow Depth . . . . . 12•13

„ A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 14

„ A 7.—Soil Temperatures a Fixed Hours 15-18

„ A 8.—Frequency of Occurrence of Miscellaneous Weather Phenomena 19-20

„ A 9.—Number in Hours of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges 21-23

„ A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 24-49

Upper Air Data

Table B 1.—Upper Air Climatological Data. 50-52

„ B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air . . . . . 53•54

„ B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces 55-60

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir 61

Table C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields. . . . . 62•63

„ C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall . . . . . 64•65

„ C 3.—Extreme Soil Temperatures at Different Depths in Different Fields 66

„ C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity 67

Note.— For explanatory notes on the tables, please refer to Volume 6, Number 1 (**January 1963**).

GENERAL SUMMARY OF WEATHER CONDITIONS

OCTOBER 1963

Hot most of the first and second decades, generally mild otherwise. Abnormal rainfall over the Mediterranean district during the 4th week

THE MAIN FEATURES

— A prolonged marked heat wave during the first and second decades. Records for maximum temperature.

— Abnormal relative humidity in the first two weeks over the northern & middle parts, subnormal otherwise.

— Abnormal rainfall over some localities of the Mediterranean district, generally subnormal elsewhere.

— Rather normal oscillatory barometric pressure field. Slight oscillations in the upper troughs over the Caspian Sea and Spain towards East Mediterramean.

Five thermal disturbances over Cyranica.

— Early morning mist or fog over Lower Egypt and Cairo Area districts.

GENERAL DESCRIPTION OF WEATHER

The weather was generally hot all over the Republic during the first two decades, where an abnormal heat wave prevailed.

Maximum temperature ranged between 28 & 34°C in the northern districts, between 30 & 45°C elsewhere.

Temperature attained 44.8°C at Kom Ombo on the 8th and 41.0°C at Cairo Airport on the 16th. These are records for maximum temperature at these stations since 1930 & 1947 respectively.

At the beginning of the 3rd decade, temperature dropped considerably (7-12°C) after the passage of a cold front, and weather turned mild during day and rather cold by night. The cold front passage was accompained by thundery rain over most of the Mediterranean district.

Rainfall was exceptionally heavy on the 21st and 22nd. On the 21st 18.6, 13.7, mms fell over Sidi Barrani, and Dabba respectively, while on the 22nd 10.4, 12.8 mms fell over Balteam and Ghazza respectively.

Rain spread southwards over the central parts and Red Sea coast, but it was generally deficient.

Early morning fog and low clouds were predominent phenomena during the first two weeks over most of 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 Irainf a (mms.)	
			Max imum (A)		Minimum (B)		(A+B) /2					
	Mean	Deviation from normal	Mean	Deviation from norm al	Menn	Deviation from normal	Meas	Deviation rom normal	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean . . .	1015.5	—0.4	28.2	+0.7	19.2	+1.0	23.7	+0.8	64	00	6.8	—0.1
Lower Egypt . . .	1015.2	—0.1	30.5	+0.6	17.6	+1.0	24.0	+0.8	66	—08	1.8	—1.1
Cairo Area	1014.6	—0.4	31.8	+1.5	18.8	+1.4	25.3	+1.4	54	—08	0.0	—1.4
Upper Egypt . . .	1012.9	—0.5	34.9	+1.8	19.6	+1.7	27.2	+1.8	42	—09	0.0	—0.3
Western Desert . .	1013.8	—1.4	34.4	+2.5	18.0	+1.2	26.2	+1.8	33	—12	0.2	—0.1
Red Sea	1012.2	—0.5	30 3	+1.0	21.9	+1.4	26.1	+1.2	53	—06	0.6	—0.4

Note : The above monthly district means for atmospheric pressure and relative humidity are computed from the corresponding mea is for all stations that take daily 24 hourly observations in each district .

PRESSURE DISTRIBUTION

During this month, the barometric pressure over East Mediterranean and the adjacent areas was rather oscillatory round its normal. Over the surface map, the subtropical high extended over estern, southwestern Europe and North Africa ; occasionally split into two cells with the passage of the polar depressions across Northern Europe. On the other hand, the Monsoon low pressure over Central Africa and the Arabian Gulf slightly oscillated round its normal position.

In the upper levels, a trough north of Black Sea and another one over Western Europe were both evident up to more than 200 mb level.

The upper trough over Western Europe oscillated towards East Mediterranean four times while the one over the Black Sea extended southwestwards on the 17th while deepening. During the upper trough oscillations loose pressure gradient was observed over East Mediterranean in general, a favourable condition for cyclogenesis. Accordingly five scattered thermal disturbances developed over Cyranica on the 4th, 9th, 13th, 16th & 29th, proceeded rapidly through northern parts of Egypt and amalgamated rapidly with the Sudan trough on th 6th, 11th, 16th, 19th & 31st.

The subtropical jet stream was evident during the whole month in the upper troposphere oscillating between latitudes 15° & 35°N round 173 mb level, while the polar jet stream was only evident at the begining of the 3rd week north of latitude 32°N at about 233 mb level in association with the cold front.

The higest wind speed recorded at Mersa Matruh, Helwan and Aswan were 105, 155, 127 Knots on the 31st, 30th and 15th respectively.

SURFACE WIND

During this month surface winds were generally light to moderate N/NWly. Meanwhile round the periods (1st — 7th) & (15th — 17th) E/NEly winds were prevelant over the Mediterranean and Lower Egypt districts.

Fresh to strong winds blew in assocaition with the frontal transits in the norhern districts, and were rather frequent over the Red Sea Coastal Strip. Calms were frequent during night and early morning over many localities from Lower Egypt, Cairo Area, Western Desert and Upper Egypt districts.

Gales were reported at Ghazza on the 31st and at Fayed on the 22nd.

TEMPERATURE

Maximum temperature was remarkably above its normal during the first two decades oscillating between (28 & 34°C), (30 & 40°C) and (32 & 45°C) in the northern, central and southern districts respectively.

At the begining of the third decade, temperature dropped considerably and maximum temperature continued generally below normal until the end of the month.

The absolute maximum temperature for the Republic was 44.8 °C reported at Kom Ombo on the 8th & Aswan on the 1st.

Minimum temperature was also above normal during most of the first two decades and fell considerably below normal in the third decade.

The absolute minimum temperature for the whole Republic was 7.7°C reported at Dakhla on the 27th.

PRECIPITATION

Rain fell this month during the 4th week. It was exceptionally heavy over some localities in the Mediterranean district on the 21st where 18.6, 13.7 mms fell over Sidi Barrani and Dabaa respectively and on the 22nd where 10.4, 12.8 mms fell over Balteam and Ghazza respectively and at Dekheila 19.0 mms on the 25th.

Over the other districts, rainfall was deficient and subnormal.

The maximum monthly rainfall was 32.3 mms reported at Dekheila, while the maximum daily rainfall was 19.0 mms. also at Dekheila on the 25th.

MISCELLANEOUS WEATHER PHENOMENA

Rain fell at : Sallum on the 15th & 25th ; Sidi Barrani on the 7th, 15th, 16th, 18th, 20th, & 21st ; Mersa Matruh on the 12th & 20th ; Ras El Hikma on the 23rd & 24th ; Dabaa on the 21st & 25th ; Dekheila on the 17th, (21st—23rd) & 25th ; Ras El Teen on the 21st, 23rd & 25th ; Alexandria on the (21st—23rd) & 25th; Rosetta on the (22nd -24th) ; Balteam on the (20th—23rd) & 31st ; Damietta on the 21st & 22nd ; Port Said on the 18th, 19th & 22nd ; El Arish on the 20th, 21st & 23rd ; Ghazza on the (20th—24th) ; El Sirw on the 22nd ; Mansoura & Damanhour on the 21st & 22nd; Tanta on the 19th & 21st ; Tahrir, Zagazig &Abu Sueir on the 20th ; Shebin El Kom on the 21st & 22nd ; Inshas on the 23rd ; Fayed on the 22nd Kabrit & Mostafa Helmi on the 20th. Bahariya on the 20th & 31st and at Suez on the 20th & 21st.

Thunderstorms occurred at : Dabaa, Dekheila & Ras El Teen on the 21st ; Alexandria on the 21st & 22nd ; El Arish on the 20th ; Mansoura on the 22nd ; Bahariya & Farafra on the 31st and at kharga on the 17th.

Mist patches developed at : Ras El Hikma on the 2nd; Dabaa on the 7th ; Alexandria on the 6th, 8th, & 15th ; El Arish on the 17th & 18th ; Mansoura on the 7th, 12th, 17th, 18th, 20th, 28th & 30th ; Damanhour on the 1st & (28th — 30th) ; Tahrir on the 2nd, 4th, 11th, 13th, 15th & (28th — 30th) ; Zagazig on the 1st, 3rd, 7th, 10th, 14th & 18th ; Abu Sueir on the 1st, (4th — 15th), 17th, 18th & (28th — 30th) ; Banha on the 3rd, 12th & 18th ; Zaher on the (1st — 3rd), 8th & 9th ; Inshas on the 2nd, 3rd, 5th, (7th — 14th) & 18th ; Fayed on the 2nd, 3rd & 14th ; kabrit on the 4th, 12th, 14th & 30th ; Cairo on the 3rd, 4th, 18th & 30th ; Mostafa Helmi on the 4th, 11th, (16th — 18th), 29th & 30th ; Almaza on the 3rd & 13th ; Abbasiya on the 2nd, 8th & 9th ; Imbaba on the (1st — 3rd), 8th, 9th, 14th, &30th ; Giza on the 1st, 2nd, 4th, 8th, 11th, 14th & 29th ; Beni Suef & Minya on the 18th and at Asyout on the 9th.

Fog patches developed at : Alexandria on the 1st, 2nd, 7th, 11th & (28th — 30th) ; Ghazza on the 11th ; Tahrir on the 1st, 3rd, (6th — 10th), 12th & 14th ; Zagazig on the 12th ; Abu Sueir on the 2nd ; Inshas on the 1st ; Cairo on the 2nd, 8th, 9th, & 13th ; Mostafa Helmi on the (1st — 3rd), (5th — 10th) & (12th — 15th) and at Almaza on the 2nd, 8th & 9th.

Local rising sand or dust was reported at : Sallum & Sidi Barrani on the 30th ; El Kasr on the 22nd, 23rd, 30th & 31st ; Mersa Matruh on the 9th, (21st — 23rd), 30th & 31st; Ras El Hikma on the 22nd ; Dabaa on the (16th—18th), 22nd & 31st ; Rosetta on the 16th ; Port Said on the 16th & 18th ; Arish & Ghazza on the 22nd and 31st ; Tahrir on the 21st & 22nd ; Abu Sueir on the 16th & 18th ; Zaher on the 16th ; Wadi El Natrun on the 22nd ; Inshas on the 16th ; Fayed on the 1st, 16th & 22nd ; Cairo on the 16th, 19th, 22nd & 31st ; Mostafa Helmi on the 18th, 19th & 22nd ; Almaza & Abbasiya on the 16th ; Minya on the 14th & 22nd ; Luxer on the 20th and 22nd ; Aswan on the 20th, 21st & 22nd ; Siwa on the 15th ; Bahariya on the 16th ; & 17th ; Farafra on the 16th, 17th, & 19th ; Dakhla on the 14th & 19th ; Kharga on the 3rd, 4th, 17th & 21st ; Tor on the 20th & 21st and at Quseir on the 22nd.

Sand or dustorms blew over : Sidi Barrani on the 22nd & 30th ; Mersa Matruh on the 30th & 31st and over Fayed on the 22nd.

Cairo, August 1972

Chairman (M. F. TAHA)

Board of Directors

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

OCTOBER 1963

District	Station	Altitude of Hp (metres)	Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	Dev. from normal	0600 U.T. Mean	Dev. from normal	1200 U.T. Mean	Dev. from normal	1800 U.T. Mean	Dev. from normal	Altitude of the barometric cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.) 0000 U.T. Mean	Dev. from normal	0600 U.T. Mean	Dev. from normal	1200 U.T. Mean	Dev. from normal	1800 U.T. Mean	Dev. from normal
Mediterranean	Sallum	6.0	1015.2	—	1015.5	— 0.1	1015.0	0.0	1015.6	+ 0.2	5.2	1015.7	—	1016.0	— 0.1	1015.5	0.0	1016.1	+ 0.2
	Sidi Barrani	22.8	1012.6	— 0.3	1013.2	+ 0.1	1012.2	— 0.3	1012.8	— 0.2	24.0	1015.2	— 0.3	1015.8	+ 0.1	1014.8	— 0.3	1015.4	— 0.2
	El Kasr	5.5	1015.6	—	1015.9	—	1015.3	—	1016.1	—	5.5	1016.2	—	1016.5	—	1015.9	—	1016.7	—
	Mersa Matruh (A)	30.0	1012.3	— 0.1	1012.5	— 0.2	1011.9	— 0.1	1012.8	+ 0.1	30.0	1016.0	— 0.1	1016.2	+ 0.2	1015.6	— 0.2	1016.5	+ 0.1
	Ras El Hikma	45.8	1010.2	—	1010.7	—	1009.9	—	1010.9	—	45.8	1015.7	—	1016.1	—	1015.3	—	1016.3	—
	Dabaa	18.0	1013.2	—	1013.4	—	1012.7	—	1013.7	—	17.8	1015.2	—	1015.4	—	1014.7	—	1015.7	—
	Dekheila (A)	6.0	1015.1	—	1015.4	—	1014.5	—	1015.5	—	5.9	1015.8	—	1016.1	—	1015.2	—	1016.2	—
	Ras El Teen	8.4	1014.8	—	1015.0	—	1014.2	—	1015.1	—	8.4	1015.8	—	1016.0	—	1015.2	—	1016.1	—
	Alexandria (A)	7.0	1014.7	+ 0.1	1015.1	— 0.2	1014.2	0.0	1015.1	+ 0.1	6.8	1015.5	+ 0.1	1015.9	— 0.2	1015.0	0.0	1015.9	+ 0.1
	Rosetta	3.4	1014.3	—	1015.2	—	1014.3	—	1014.9	—	3.4	1014.7	—	1015.6	—	1014.7	—	1015.3	—
	Balteam	2.0	1015.2	—	1015.6	—	1014.6	—	1015.2	—	2.0	1015.4	—	1015.8	—	1014.8	—	1015.4	—
	Damietta	5.1	1015.2	—	1015.6	0.0	1014.6	— 0.1	1015.4	+ 0.3	5.1	1015.6	—	1016.0	0.0	1015.0	— 0.1	1015.8	+ 0.3
	Port Said (A)	7.4	1014.3	+ 0.2	1014.7	— 0.1	1013.6	— 0.2	1014.5	0.0	6.0	1015.0	+ 0.2	1015.4	— 0.1	1014.3	— 0.2	1015.2	— 0.0
	El Arish	17.1	1013.4	+ 0.9	1014.0	— 0.2	1012.6	— 0.5	1013.6	+ 0.1	17.1	1015.3	+ 0.9	1015.9	— 0.2	1014.5	— 0.5	1015.5	+ 0.1
	Ghazza	15.7	1012.8	—	1013.6	—	1012.2	—	1013.0	—	15.7	1014.7	—	1015.4	—	1014.0	—	1014.8	—
Lower Egypt	Mansoura	4.0	1015.3	—	1015.6	+ 0.2	1014.3	+ 0.4	1015.3	+ 0.3	4.0	1015.7	—	1016.0	+ 0.2	1014.7	+ 0.4	1015.7	+ 0.3
	Damanhour	6.7	1015.5	—	1015.8	— 0.1	1014.5	— 0.3	1015.7	+ 0.2	6.7	1016.0	—	1016.3	— 0.1	1015.0	— 0.3	1016.2	+ 0.2
	Tanta	14.9	1013.3	—	1013.8	— 0.8	1012.2	— 0.8	1013.8	0.0	15.4	1014.[illegible]	—	1015.0	— 0.8	1013.4	— 0.8	1014.9	— 0.1
	Tahrir	16.0	1013.0	—	1013.5	—	1011.7	—	1013.3	—	18.6	1015.2	—	1015.7	—	1013.8	—	1015.5	—
	Shebin El Kom	13.1	1014.0	—	1014.6	0.0	1013.0	— 0.2	1013.8	— 0.2	13.9	1015.5	—	1016.1	0.0	1014.5	— 0.2	1015.7	— 0.2
	Zagazig	10.0	1014.1	—	1014.7	— 0.3	1012.6	— 0.6	1014.3	— 0.1	10.2	1015.3	—	1015.9	— 0.3	1013.8	— 0.6	1015.5	— 0.1
	Abu Sueir (A)	16.0	1013.5	—	1014.1	—	1014.8	—	1014.0	—	16.0	1015.4	—	1016.0	—	1016.5	—	1015.8	—
	Banha	14.9	1013.2	—	1013.6	—	1011.8	—	1013.2	—	14.9	1015.0	—	1015.4	—	1013.5	—	1015.0	—
	Zaher (A)	23.5	1010.6	—	1011.0	—	1009.2	—	1010.6	—	23.3	1014.2	—	1014.6	—	1012.7	—	1014.1	—
	Wadi El Natrun	0.9	1015.7	—	1016.4	+ 0.5	1014.3	+ 1.0	1015.9	+ 0.5	0.9	1015.8	—	1016.5	+ 0.5	1014.4	+ 1.0	1016.0	+ 0.5
	Inshas (A)	25.5	1010.6	—	1011.1	—	1009.2	—	1010.8	—	25.6	1013.6	—	1014.1	—	1012.2	—	1013.8	—
	Fayed (A)	35.0	1013.3	—	1013.8	—	1011.6	—	1013.6	—	35.0	1015.8	—	1016.3	—	1013.9	—	1016.1	—
	Kabrit (A)	4.9	1013.7	—	1014.3	—	1011.8	—	1013.5	—	4.9	1015.1	—	1015.6	—	1013.0	—	1014.8	—
Cairo Area	Cairo (A)	74.5	1007.4	— 0.3	1007.9	— 0.6	1005.9	— 0.9	1007.7	— 0.1	74.0	1015.1	— 0.3	1015.5	— 0.6	1013.3	— 0.9	1015.2	— 0.2
	Mostafa Helmi (A)	164.0	995.9	—	996.2	—	994.9	—	996.2	—	164.0	1015.1	—	1015.2	—	1013.4	—	1015.1	—
	Almaza (A)	78.5	1005.5	— 0.4	1006.0	— 0.6	1004.1	— 0.8	1005.7	— 0.4	78.7	1014.6	— 0.6	1015.1	— 0.7	1013.0	— 0.8	1014.8	— 0.4
	Abbasiya (H.Q.)	26.4	1012.2	—	1012.8	—	1010.7	—	1012.3	—	26.4	1015.9	—	1016.4	—	1014.2	—	1015.9	—
	Imbaba (A)	19.0	1012.6	—	1013.1	—	1011.0	—	1012.6	—	19.0	1014.7	—	1015.2	—	1013.1	—	1014.7	—
	Giza	22.5	1012.4	—	1012.8	— 0.6	1011.0	— 0.4	1012.3	— 0.4	22.5	1015.1	—	1015.5	— 0.7	1013.6	— 0.5	1015.0	— 0.5
	Helwan	140.7	998.3	—	998.9	— 0.4	997.1	— 0.6	998.5	— 0.1	140.7	1015.1	—	1015.5	— 0.8	1013.3	— 0.6	1015.0	— 0.2

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

OCTOBER 1963

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	23.3	1011.8	—	1012.6	—0.2	1010.4	—0.2	1011.9	+0.4	23.3	1014.7	—	1015.5	—0.2	1013.2	—0.2	1014.8	+0.4
	Beni Suef	30.1	1010.6	—	1011.5	—0.7	1009.3	—0.5	1010.4	—0.4	30.1	1014.1	—	1014.9	—0.7	1012.6	—0.5	1013.8	—0.4
	Minya (A)	40.3	1008.5	—1.1	1009.3	—1.2	1007.7	—1.1	1008.4	—1.0	40.3	1013.3	—1.1	1014.1	—1.2	1012.2	—1.1	1013.1	—1.0
	Asyout (Mangabad) (A)	69.6	1005.3	+0.2	1006.6	—0.5	1004.4	—0.3	1005.3	0.0	69.5	1013.4	+0.2	1014.7	—0.5	1012.3	—0.3	1013.3	0.0
	Nag Hammadi	70.5	1004.8	—	1006.6	+0.2	1004.0	+0.1	1004.9	+0.3	70.5	1013.1	—	1014.7	+0.1	1011.9	+0.1	1013.0	+0.3
	Kena	74.2	1003.1	—	1005.5	0.0	1003.1	+0.3	1003.5	0.0	74.2	1011.7	—	1014.0	0.0	1011.4	+0.4	1012.0	0.0
	Luxor (A)	88.5	1001.6	—0.5	1003.2	—0.5	1000.7	—0.4	1001.3	—0.6	88.5	1011.8	—0.5	1013.3	—0.5	1010.4	—0.5	1011.4	—0.6
	Kom Ombo	102.6	999.2	—	1001.0	—	998.1	—	999.2	—	102.6	1011.1	—	1012.8	—	1009.5	-	1010.9	—
	Aswan (A)	200.0	988.3	—	990.1	—0.5	987.3	—0.4	988.3	—0.4	200.0	1011.4	—	1013.1	—0.3	1009.3	—0.6	1010.6	—0.6
Western Desert	Siwa	—13.5	1017.0	—0.9	1017.8	—0.8	1016.4	—0.7	1016.8	—0.5	—13.3	1015.3	—0.9	1016.1	—0.8	1014.8	—0.7	1015.1	—0.5
	Bahariya	129.5	999.5	—	1000.3	—1.6	998.5	—1.7	999.3	—1.8	129.6	1014.7	—	1015.5	—1.6	1013.2	—1.8	1014.3	—1.9
	Farafra	91.8	1004.9	—	1005.7	—0.8	1003.8	—1.4	1004.7	—0.8	92.1	1015.8	—	1016.6	—0.9	1014.2	—1.6	1015.5	—0.8
	Dakhla	111.5	998.6	—	999.9	—1.3	997.6	—1.4	998.2	—1.7	111.5	1011.3	—	1012.8	—1.4	1010.6	—0.9	1011.0	—1.7
	Kharga	72.8	1004.0	—	1005.6	—0.8	1003.2	—1.2	1004.2	—0.8	73.0	1012.3	—	1013.8	—0.9	1011.1	—1.2	1012.3	—0.8
Red Sea	Suez	11.1	1013.5	—	1014.2	+0.2	1012.3	—0.9	1013.6	+0.5	12.1	1014.7	—	1015.4	+0.2	1013.5	—0.9	1014.8	+0.5
	Abu Redes	4.0	1011.6	—	1012.7	—	1011.3	—	1012.0	—	4.0	1012.0	—	1013.1	—	1011.7	—	1012.4	—
	Tor	4.3	1011.7	+ 0.8	1012.9	—0.3	1011.1	—0.7	1011.6	—0.3	4.3	1012.1	+0.8	1013.3	—0.3	1011.5	—0.7	1012.0	—0.3
	Hurghada	2.8	1012.0	—	1013.3	+0.5	1011.2	+0.2	1012.1	+0.6	2.8	1012.2	—	1013.5	+0.5	1011.4	+0.2	1012.3	+0.6
	Quseir	11.3	1010.9	—	1012.2	0.0	1010.7	—0.8	1010.8	—0.6	9.5	1011.9	—	1013.2	0.0	1011.7	—0.8	1011.8	—0.6
	Abul Kizan	5.0	1010.7	—	1012.2	—	1011.1	—	1011.3	—	5.0	1011.2	—	1012.7	—	1011.6	—	1011.8	—

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

OCTOBER 1963

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	21.3	—	22.1	−0.2	27.2	+1.0	23.3	+0.3	18.7	—	18.8	+0.5	20.4	+0.3	20.2	+1.0	77	—	72	+6	51	−4	74	+6
	Sidi Barrni	20.2	+0.6	21.1	−0.1	25.7	+0.2	23.0	+0.5	17.2	+0.2	17.8	0.0	20.3	+0.2	19.2	+0.2	73	−3	71	+1	59	0	68	−2
	El Kasr	20.1	—	22.5	—	25.3	—	22.2	—	17.4	—	18.9	—	20.6	—	19.0	—	75	—	69	—	58	—	72	—
	Mersa Matruh (A)	19.9	+0.7	22.0	+0.2	26.5	+0.8	22.2	+0.1	17.4	+0.7	18.5	+0.3	19.9	−0.1	18.8	0.0	77	+1	70	+1	52	−5	71	−1
	Ras El Hikma	21.8	—	22.7	—	25.2	—	23.0	—	19.0	—	19.5	—	20.3	—	19.3	—	75	—	73	—	62	—	69	—
	Dabaa	20.0	—	21.3	−0.8	26.2	+0.5	22.2	0.0	17.5	—	18.3	−0.1	20.0	+0.6	18.8	+0.3	77	—	74	+7	54	+1	71	+2
	Dekheila (A)	21.5	—	22.9	—	25.6	—	23.5	—	18.9	—	19.7	—	21.1	—	19.6	—	77	—	73	—	59	—	68	—
	Ras El Ten	23.2	—	23.7	—	25.2	—	24.2	—	20.0	—	20.4	—	20.7	—	20.2	—	73	—	73	—	65	—	68	—
	Alexandria (A)	20.8	+1.0	23.7	+0.8	27.6	+1.0	22.7	+0.9	18.7	+0.9	20.5	+1.1	21.0	+1.0	19.3	+0.6	81	0	74	+4	53	−1	71	−2
	Rosetta	21.4	—	23.3	—	26.8	—	22.8	—	18.8	—	20.0	—	20.9	—	19.3	—	77	—	73	—	57	—	70	—
	Balteam	23.5	—	25.0	—	27.9	—	24.6	—	19.7	—	20.3	—	21.6	—	20.2	—	69	—	63	—	55	—	65	—
	Damietta	21.0	—	23.0	−0.3	28.3	+2.8	22.7	−0.1	19.4	—	20.8	+0.3	22.2	+1.8	19.9	+0.1	86	—	77	+5	57	−4	76	+2
	Port Said (A)	24.0	+1.0	21.6	+0.5	26.8	+0.6	24.7	+0.8	21.1	+1.1	21.3	+0.9	22.0	+0.9	21.0	+0.8	76	+2	73	+3	64	−3	70	0
	El Arish	21.2	+0.7	21.0	−0.2	27.6	+0.9	21.1	+0.2	19.7	+1.5	21.0	+0.8	22.8	+0.5	21.2	+0.8	87	+8	75	+7	65	−2	76	+4
	Ghazza	21.2	—	23.2	—	26.2	—	24.4	—	19.5	—	19.9	—	22.5	—	21.5	—	85	—	73	—	72	—	76	—
Lower Egypt	El Sirw	20.7	—	21.6	+0.7	27.4	+0.5	22.6	−0.2	—	—	21.3	+0.4	22.1	+0.1	20.4	0.0	—	—	73	−2	61	−3	81	+2
	Sakha	—	—	22.8	+0.7	29.0	+0.7	21.5	+0.9	—	—	20.6	+0.8	21.9	+0.1	19.6	+0.6	—	—	81	−1	51	−2	83	+
	Mansoura	19.1	—	22.9	+0.5	29.7	+1.0	21.2	−0.6	17.0	—	20.2	+0.7	20.6	+0.1	18.6	−0.1	89	—	77	+2	40	−4	77	+4
	Damanhour	19.2	—	20.3	−1.6	27.2	−0.4	21.5	+0.1	18.0	—	18.8	−0.4	20.7	+0.2	19.1	+0.4	85	—	86	+7	53	+4	79	+3
	Tanta	19.0	—	22.2	+0.5	30.6	+1.4	22.5	+1.2	17.5	—	19.6	0.0	22.0	+1.0	19.4	+0.4	86	—	77	−4	44	−1	73	−6
	Tahrir	19.3	—	21.7	—	30.0	—	23.0	—	18.1	—	19.4	—	20.1	—	19.2	—	89	—	80	—	36	—	68	—
	Shebin El Kom	19.0	—	21.5	+0.8	31.0	+1.7	22.7	+0.4	18.4	—	20.1	+2.1	23.0	+2.5	20.3	+1.8	94	—	87	+11	48	+7	79	+11
	Zagazig	18.7	—	21.7	−1.0	29.8	+0.3	21.7	+0.2	17.0	—	19.3	−1.0	21.1	−0.7	18.8	−0.7	84	—	79	0	42	−6	75	−4
	Abu Sueir (A)	20.1	—	23.0	—	33.0	—	23.9	—	18.3	—	19.7	—	21.1	—	19.9	—	83	—	72	—	30	—	67	—
	Banha	20.2	—	21.2	—	29.6	—	23.4	—	18.2	—	19.0	—	21.1	—	19.3	—	82	—	80	—	43	—	66	—
	Zaher (A)	19.6	—	22.1	—	30.8	—	23.5	—	18.0	—	19.2	—	20.8	—	19.6	—	85	—	75	—	37	—	68	—
	Wadi El Natrun	20.6	—	21.5	+0.3	31.6	+2.0	24.0	−0.2	16.9	—	18.3	+0.5	19.9	−0.1	18.7	−0.3	75	—	72	−1	29	−8	58	−1
	Inshas (A)	19.5	—	21.4	—	30.6	—	23.5	—	17.6	—	18.7	—	20.3	—	19.1	—	82	—	76	—	35	—	64	—
	Fayed (A)	20.7	—	23.2	—	31.4	—	24.4	—	18.0	—	19.4	—	20.4	—	19.9	—	76	—	68	—	32	—	64	—
	Kabrit (A)	21.6	—	23.0	—	31.5	—	24.8	—	19.4	—	20.1	—	21.8	—	20.5	—	80	—	75	—	39	—	68	—

Table A2 (*contd*).—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES AND THE RELATIVE HUMIDITY AT FIXED HOURS

OCTOBER 1963

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
Cairo Area	Cairo . . . . . (A)	21.0	+1.2	22.6	+1.0	30.9	+1.8	24.6	+0.9	18.4	+1.1	18.0	+0.9	19.5	−0.1	19.2	+0.8	85	+8	69	−1	30	−7	57	+1
	Mostafa Helmi . . (A)	19.4	—	20.8	—	29.5	—	23.4	—	17.8	—	18.4	—	19.6	—	18.4	—	85	—	78	—	35	—	59	—
	Almaza . . . . . (A)	20.4	+0.4	21.9	0.0	31.0	+1.7	24.6	+0.5	17.7	+0.1	18.3	−0.1	20.0	+0.1	18.9	0.0	75	−3	69	−1	32	−6	55	−3
	Abbasiya. . . (H.Q.)	21.1	—	21.0	—	31.3	—	25.0	—	18.7	—	19.6	—	20.8	—	19.7	—	78	—	87	—	35	—	59	—
	Imbaba . . . . . (A)	19.5	—	22.3	—	31.0	—	23.7	—	17.3	—	19.2	—	20.8	—	18.9	—	80	—	73	—	31	—	61	—
	Giza	20.1	—	22.1	+1.2	30.6	+1.1	21.7	+1.8	18.1	—	19.0	+0.3	20.1	−0.5	19.1	+0.3	82	—	73	−7	34	−7	56	−10
	Helwan	21.4	—	23.7	+2.1	31.1	+1.8	24.8	+0.4	17.7	—	18.3	+0.5	19.1	+0.5	18.4	+0.1	78	—	57	−10	27	−5	51	+1
Upper Egypt	Fayoum	20.7	—	22.3	+0.3	32.4	+2.2	25.3	+1.7	17.7	—	19.0	+0.5	20.4	+0.6	18.6	+0.3	73	—	72	+3	29	−4	50	−6
	Beni Suef	21.2	—	21.6	−0.7	32.8	+1.5	25.2	+1.7	17.6	—	18.6	+0.3	20.8	+0.4	18.4	+0.6	68	—	74	+8	30	−3	49	−7
	Minya . . . . . (A)	20.0	+1.7	22.0	+1.0	32.9	+2.1	24.4	+2.4	16.8	+1.2	18.7	+1.1	20.3	+0.4	18.0	+0.9	71	−3	72	+2	27	−5	50	−9
	Mallawi	18.5	—	20.4	—	32.4	—	21.6	—	—	—	19.0	—	22.6	—	18.8	—	—	—	95	—	40	—	75	—
	Asyout (Mangabad) (A)	22.5	+1.4	22.9	+1.1	32.2	+2.1	27.1	+1.5	16.6	+0.5	17.8	+0.3	20.1	+0.4	18.0	+0.5	52	−5	58	−6	28	−6	41	−4
	Shandaweel	22.4	—	24.0	+0.2	32.7	+2.1	24.9	+1.3	—	—	19.7	0.0	22.8	+0.3	20.3	+0.3	—	—	65	−2	40	−7	64	−6
	Nag Hammadi . . .	22.4	—	23.6	−0.6	33.4	+2.0	25.1	+1.3	—	—	19.9	+0.8	23.3	+1.5	20.4	+1.4	—	—	70	+10	40	0	62	+2
	Kena	24.5	—	26.2	+2.1	34.8	+1.2	28.1	+1.8	—	—	19.7	+1.1	23.1	+0.6	19.6	+0.5	—	—	52	−5	35	−1	42	−6
	Luxor . . . . . (A)	22.6	+1.1	26.2	+0.1	35.6	+1.0	28.4	+1.7	16.5	+0.6	18.8	+0.5	21.5	+0.2	18.9	+0.3	50	+2	43	−3	24	−7	46	+2
	Kom Ombo	23.3	—	25.4	—	38.2	—	28.6	—	14.9	—	17.2	—	20.8	—	17.1	—	35	—	33	—	15	—	26	—
	Aswan . . . . . (A)	25.0	—	26.8	+1.0	37.7	+1.5	31.1	−0.1	14.4	—	15.9	−1.7	18.6	−2.7	15.1	−2.9	24	—	23	−15	9	−12	13	−13
Western	Siwa	20.6	+1.6	21.0	+1.2	31.1	+1.8	25.3	+1.3	15.5	+0.8	16.4	+0.6	18.8	+0.6	15.6	+0.2	55	−5	60	−3	25	−3	37	−5
	Bahariya	21.0	—	21.7	+0.4	32.8	+2.9	26.3	−0.3	16.1	—	16.9	−0.6	19.5	−0.5	17.0	−0.1	57	—	60	−7	24	−12	35	−14
	Farafra	20.7	—	21.1	+0.3	32.8	+2.4	25.4	+1.5	13.9	—	14.3	−1.7	18.5	−0.8	15.1	−1.1	43	—	43	−15	19	−12	28	−13
	Dakhla	22.5	—	23.7	+1.0	35.3	+3.4	27.5	+1.0	13.8	—	15.6	−0.8	18.5	−1.5	16.0	−1.3	32	—	37	−12	13	−16	24	−12
	Kharga	23.7	—	25.1	+1.0	35.2	+3.1	27.8	+0.7	15.8	—	17.5	−0.5	20.7	−0.7	17.3	−0.8	39	—	43	−9	19	−12	30	−8
Red Sea	Suez	23.1	—	23.1	+0.6	31.9	+2.3	27.1	+2.7	—	—	20.1	+0.9	22.8	+2.3	19.1	−0.5	—	—	75	+3	38	−2	44	−18
	Abu Redes	25.7	—	26.9	—	30.4	—	28.0	—	20.4	—	21.2	—	23.6	—	21.3	—	59	—	58	—	54	—	53	—
	Tor	23.7	—	25.7	+1.1	29.1	+1.0	26.7	+0.8	19.4	—	20.0	+0.2	23.1	0.0	21.4	+0.1	65	—	57	−5	58	−6	61	−4
	Hurghada	3.5	+1.4	26.6	+1.6	30.2	+2.7	26.6	+1.2	17.3	+0.2	19.0	−0.4	22.7	−0.2	20.6	+0.3	51	−7	45	−12	50	−16	56	−5
	Quseir	25.3	—	28.5	+1.1	29.8	+0.9	27.3	+0.9	18.3	—	19.6	−0.8	22.9	−0.5	22.0	+0.6	48	—	40	−10	53	−9	61	−2
	Abul Kizan	27.0	—	29.8	−0.8	29.6	−0.1	28.6	+0.8	22.7	—	25.7	0.0	25.4	−0.7	25.1	−0.3	75	—	71	−5	70	−4	74	−7

Table A3. —MONTHLY MEAN DAILY VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY

OCTOBER 1963

Dist.	Station	Atmospheric pressure (mb.)					Air temperature (°C)											Relative humidity %		
		Derivation of the mean values a, b, c, d	Station Pressure		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	1015.3	—0.2	1015.8	—0.2	28.4	+0.7	19.0	+1.9	24.0	a	23.5	+1.3	a	19.6	+1.3	a	68	+ 1
	Sidi Barrani	a	1012.7	—0.7	1015.3	—0.7	27.1	+0.3	18.5	+0.9	22.8	a	22.7	+0.7	a	18.7	+0.3	a	66	— 3
	El Kasr	a	1015.7	—	1016.3	—	29.2	—	20.6	—	24.9	a	22.8	—	a	18.9	—	a	67	—
	Mersa Matruh (A)	a	1012.4	—1.2	1016.1	—1.2	27.9	+0.9	18.0	+0.6	23.0	a	22.5	+0.4	a	18.5	+0.2	a	66	— 2
	Ras El Hikma	a	1010.4	—	1015.7	—	28.5	—	20.5	—	23.5	a	25.2	—	a	19.5	—	a	69	—
	Dabaa	a	1013.3	—	1015.3	—	27.0	0.0	18.2	—1.1	22.6	a	22.1	+0.3	a	18.6	+0.5	a	70	+ 2
	Dekheila (A)	a	1015.1	—	1015.8	—	27.7	—	19.3	—	23.5	a	23.5	—	a	19.7	—	a	69	—
	Ras El Teen	a	1014.8	—	1015.8	—	26.1	—	22.3	—	24.2	a	24.1	—	a	20.4	—	a	70	—
	Alexandria (A)	a	1014.8	—0.5	1015.6	—0.5	29.2	+1.4	18.5	+0.8	23.8	a	23.5	+0.7	a	19.7	+0.8	a	69	+ 2
	Rosetta	a	1014.6	—	1015.0	—	28.2	—	20.0	—	24.1	a	23.6	—	a	19.6	—	a	67	—
	Balteam	a	1015.1	—	1015.3	—	28.6	—	21.7	—	25.2	a	25.2	—	a	20.4	—	a	63	—
	Damietta	a	1015.2	—0.1	1015.6	—0.1	29.0	+1.1	19.9	+1.1	24.4	a	23.7	—0.9	a	20.4	+0.8	a	73	0
	Port Said (A)	a	1014.3	—0.1	1015.0	—0.1	27.8	+0.6	22.8	+1.0	25.3	a	25.0	+0.8	a	21.3	+0.9	a	70	+ 1
	El Arish	a	1013.4	0.0	1015.3	0.0	29.4	+0.7	19.2	+1.3	24.3	a	23.0	—0.2	a	19.4	—0.2	a	70	0
	Ghazza	a	1012.9	—	1014.7	—	27.9	—	19.2	—	23.6	a	23.6	—	a	20.9	—	a	78	—
Lower Egypt	El Sirw	—	—	—	—	—	28.7	+0.5	19.2	+1.7	24.0	c	23.8	+1.0	c	21.0	+0.9	e	77	0
	Sakha	—	—	—	—	—	29.6	+0.1	16.9	+1.4	23.2	—	—	—	—	—	—	e	82	0
	Mansoura	a	1015.1	+0.3	1015.5	+0.3	30.8	+0.4	16.1	—1.5	23.4	a	22.8	+0.2	a	18.8	—0.8	a	66	— 8
	Damanhour	a	1015.3	—0.1	1015.8	—0.1	28.9	+0.7	17.6	+0.5	23.2	a	22.5	+0.6	a	19.2	—0.2	a	72	— 6
	Tanta	a	1013.2	—0.7	1014.4	—0.7	31.4	+1.3	17.6	+2.2	24.5	a	23.5	+1.6	a	19.5	—0.1	a	67	—13
	Tahrir	a	1012.9	—	1015.0	—	31.4	—	17.6	—	24.5	a	23.6	—	a	19.1	—	a	67	—
	Shebin El Kom	a	1013.9	0.0	1015.4	0.0	31.8	+1.2	17.8	+1.3	24.8	a	23.6	+1.4	a	20.4	+1.5	a	74	+ 2
	Zagazig	a	1013.8	—0.4	1015.0	—0.4	30.4	—0.2	17.4	+1.0	23.9	a	23.0	+0.4	a	18.9	+2.5	a	66	—13
	Abu Sueir (A)	a	1013.5	—	1015.4	—	32.0	—	18.2	—	25.1	a	24.4	—	a	19.4	—	a	60	—
	Banha	a	1012.9	—	1014.7	—	30.3	+0.1	18.8	+1.9	24.6	a	23.8	—	a	19.4	—	a	64	—
	Zaher (A)	a	1010.3	—	1013.9	—	31.3	—	17.9	—	24.6	a	23.9	—	a	19.5	—	a	64	—
	Wadi El Natrun	a	1015.5	+0.6	1015.6	+0.4	32.4	+1.5	17.0	+0.4	24.7	a	24.2	+1.3	a	18.3	+0.6	a	54	—12
	Inshas (A)	a	1010.4	—	1013.4	—	31.3	—	17.9	—	24.6	a	23.8	—	a	18.9	—	a	61	—
	Fayed (A)	a	1013.0	—	1015.5	—	32.1	—	18.9	—	25.5	a	24.8	—	a	19.3	—	a	57	—
	Kabrit (A)	a	1013.3	—	1014.6	—	32.1	—	19.9	—	26.0	a	25.2	—	a	20.5	—	a	64	—
Cairo Area	Cairo (A)	a	1007.2	—0.5	1014.7	—0.6	31.9	+2.1	19.4	+1.5	25.6	a	24.8	+1.3	a	19.0	+0.7	a	55	— 3
	Mostafa Helmi (A)	a	995.8	—	1014.7	—	30.1	—	18.0	—	24.1	a	23.4	—	a	18.5	—	a	60	—
	Almaza (A)	a	1005.3	—0.6	1014.4	—0.7	31.7	+1.4	18.8	+0.7	25.2	a	24.6	+0.7	a	18.7	+0.1	a	54	— 4
	Abbasiya H.Q.)	a	1012.0	—	1015.7	—	32.5	—	19.4	—	26.0	a	25.1	—	a	19.8	—	a	60	—
	Imbaba (A)	a	1012.3	—	1014.4	—	31.8	—	17.5	—	24.6	a	24.1	—	a	19.0	—	a	60	—
	Giza	a	1012.2	—0.3	1014.6	—0.3	31.7	+0.6	17.8	+2.2	24.8	a	24.2	+2.0	a	19.0	—0.1	a	59	—14
	Helwan	a	998.2	0.0	1014.7	—0.1	32.1	+2.0	19.4	+1.0	25.8	a	25.2	+1.6	a	18.3	—0.1		48	—10

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 1963

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	1011.5	−0.1	1014.4	−0.1	32.0	+0.7	18.9	+1.8	26.0	a	25.2	+2.0	a	18.9	+0.1	a	53	− 9
	Beni Suef	a	1010.4	−0.5	1013.7	−0.6	33.3	+1.7	17.7	+2.2	25.5	a	25.4	+2.0	a	18.9	+0.4	a	51	− 9
	Minya (A)	a	1008.5	−1.2	1013.2	−1.3	33.3	+2.1	17.6	+1.7	25.4	a	24.9	+1.7	a	18.4	+0.6	a	51	− 5
	Mallawi	—	—	—	—	—	33.3	—	16.2	—	24.8	c	23.2	—	c	21.4	—	c	58	—
	Asyout (Mangabad) (A)	a	1005.4	−0.5	1013.4	−0.6	35.2	+4.2	19.9	+1.8	27.6	a	26.0	+2.7	a	18.2	+0.7	a	43	− 5
	Shandaweel	—	—	—	—	—	34.4	+2.6	20.1	+2.1	27.2	c	26.5	+1.9	c	21.6	+1.0	c	64	− 4
	Nag Hammadi	c	1005.1	+0.1	1013.2	+0.1	34.2	+1.4	19.6	+2.3	26.9	c	26.4	+2.2	c	22.0	+2.8	c	66	+ 6
	Kena	c	1003.8	−0.1	1012.3	−0.1	36.9	+1.7	21.6	+2.4	29.2	c	28.4	+2.0	c	20.7	+1.3	c	47	− 5
	Luxor (A)	a	1001.7	−0.3	1011.8	−0.3	36.2	+0.3	19.1	+1.1	27.6	a	27.7	+1.0	a	18.9	+0.9	a	39	− 6
	Kom Ombo	a	999.3	—	1011.0	—	38.4	—	19.1	—	28.8	a	28.6	—	a	17.4	—	a	27	—
	Aswan (A)	a	988.5	−0.4	1011.1	−0.3	38.5	+1.4	21.5	−0.4	30.0	a	30.2	+1.8	a	16.3	−2.2	a	16	−18
Western Desert	Siwa	a	1017.0	−1.3	1015.4	−1.2	32.1	+2.2	17.5	+1.4	24.8	a	24.6	+1.8	a	16.8	+0.9	a	40	− 5
	Bahariya	a	999.4	−1.9	1014.4	−1.8	33.4	+2.4	18.0	+2.1	25.7	a	25.6	+2.9	a	17.4	−0.2	a	41	−17
	Farafra	a	1001.8	−1.2	1015.5	−1.0	33.6	+2.1	17.4	+2.1	25.5	a	25.1	+2.5	a	15.6	+0.2	a	32	−11
	Dakhla	a	998.5	−1.5	1011.2	−1.7	36.2	+3.2	17.4	−0.5	26.8	a	27.2	+2.5	a	16.0	−1.0	a	25	−15
	Kharga	a	1001.1	−1.2	1012.3	−1.1	36.7	+2.7	19.9	+1.0	28.3	a	28.2	+2.4	a	17.7	−0.4	a	31	−13
Red Sea	Suez	c	1013.4	−0.2	1014.6	−0.2	34.5	+3.5	19.7	+0.8	27.1	c	26.3	−0.6	c	21.0	+0.7	c	60	− 7
	Abu Redes	a	1011.8	—	1012.2	—	31.2	—	23.7	—	27.4	a	27.6	—	a	21.6	—	a	57	—
	Tor	a	1011.8	−0.5	1012.2	−0.5	30.3	+0.7	21.0	+2.4	25.6	a	26.1	+1.8	a	20.9	+1.1	a	60	− 4
	Hurghada	a	1012.1	−0.5	1012.3	−0.5	30.1	+1.9	21.1	+1.1	25.6	a	26.5	+1.6	a	19.8	+0.2	a	51	− 8
	Quseir	a	1011.2	−0.5	1012.2	−0.5	30.6	+0.4	23.6	+0.7	27.1	a	27.3	+0.9	a	20.4	0.0	a	50	− 6
	Abul Kizan	c	1011.3	—	1011.8	—	33.0	+1.3	29.3	+3.0	31.2	c	28.8	+0.7	c	25.0	−0.2	c	72	− 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 A 4.—MAXIMUM AND MINIMUM AIR TEMPERATURES

OCTOBER 1963

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	37.5	5	24.0	23	28	6	1	0	0	23.7	6	14.1	24	0	0	0	0
	Sidi Barrani	35.2	5	22.8	22	24	4	1	0	0	22.7	16	13.9	25	0	0	0	0
	El Kasr	32.6	5	22.9	22	25	4	0	0	0	23.4	17	13.5	27	0	0	0	0
	Mersa Matruh (A)	33.0	5	22.4	22	27	5	0	0	0	23.5	17	13.8	25	0	0	0	0
	Ras El Hikma	30.2	6	22.0	22	25	1	0	0	0	24.3	17	14.8	26	0	0	0	0
	Dabaa	31.9	6,19	21.6	22	25	2	0	0	0	23.8	18	11.9	26	0	0	0	0
	Dekheila (A)	33.1	6	20.9	25	26	3	0	0	0	24.5	3	12.7	26	0	0	0	0
	Ras El Teen	29.3	6,19	21.2	25	22	0	0	0	0	25.4	3	17.6	26	0	0	0	0
	Alexandria (A)	35.9	6	22.9	25	29	16	0	0	0	24.0	18	12.8	26,28	0	0	0	0
	Rosetta	33.3	6	22.8	25	25	6	0	0	0	25.0	18	14.9	26	0	0	0	0
	Balteam	32.8	2	24.0	24	28	11	0	0	0	25.3	3	17.5	25	0	0	0	0
	Damietta	32.9	6	23.2	23	29	16	0	0	0	24.4	18	14.0	26	0	0	0	0
	Port Said (A)	30.1	8	23.3	23	28	1	0	0	0	26.0	2	17.3	23	0	0	0	0
	El Arish	35.0	17	23.0	23	28	18	0	0	0	23.7	20	14.6	23,25	0	0	0	0
	Ghazza	31.5	17,19	20.8	23	27	8	0	0	0	24.3	1	14.2	23	0	0	0	0
Lower Egypt	El Sirw	31.4	3	23.1	23	28	11	0	0	0	24.5	17,18	13.0	25	0	0	0	0
	Sakha	34.3	1	23.7	23	28	17	0	0	0	23.0	18	12.0	25	0	0	0	0
	Mansoura	36.1	17	26.2	22,23	31	19	1	0	0	22.3	18	10.4	26	0	0	0	0
	Damanhour	33.0	17	21.9	23	26	16	0	0	0	22.9	18	12.8	25	0	0	0	0
	Tanta	36.9	18	24.6	23	30	19	3	0	0	22.6	18	13.3	26	0	0	0	0
	Tahrir	39.3	17	23.9	23	30	21	3	0	0	22.8	18,19	12.7	25	0	0	0	0
	Shebin El Kom	38.8	17	24.1	23	29	21	4	0	0	22.8	19	12.0	25	0	0	0	0
	Zagazig	36.2	17	25.3	23	31	19	1	0	0	22.4	19	13.9	27	0	0	0	0
	Abu Sueir (A)	38.7	17	25.8	24	31	20	8	0	0	22.8	19	13.2	25	0	0	0	0
	Banha	36.6	17	24.5	23	30	18	1	0	0	23.3	19	14.0	25	0	0	0	0
	Zaher (A)	38.3	17	25.3	24	31	19	3	0	0	22.0	18,19	13.1	25	0	0	0	0
	Wadi El Natrun	39.3	17	24.5	23	30	22	11	0	0	21.9	18	11.1	24,25	0	0	0	0
	Inshas (A)	38.5	17	25.2	24	31	19	3	0	0	22.9	18	13.3	25	0	0	0	0
	Fayed (A)	40.1	17	26.5	24	31	20	7	1	0	23.2	3,20	13.5	26	0	0	0	0
	Kabrit (A)	40.9	17	25.4	25	31	19	9	1	0	24.0	3	13.4	27	0	0	0	0
Cairo Area	Cairo (A)	41.0	16	25.2	25	31	19	7	1	0	23.6	19	14.2	26	0	0	0	0
	Mostafa Helmi (A)	39.3	17	23.6	24	28	18	2	0	0	22.3	18	11.6	24	0	0	0	0
	Almaza (A)	40.4	16	24.9	24	30	19	5	1	0	23.2	3	12.6	25	0	0	0	0
	Abbasiya (H. Q)	41.6	16	26.4	24	31	21	7	2	0	24.0	19	13.7	25	0	0	0	0
	Imbaba (A)	38.4	16	25.9	24,25	31	21	4	0	0	23.5	18	12.4	25	0	0	0	0
	Giza	40.1	16	25.6	24	31	20	4	1	0	23.3	18	11.2	25	0	0	0	0
	Helwan	40.2	17	24.2	24	29	20	9	1	0	24.1	19	12.1	24	0	0	0	0

* More than 3 days.

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

OCTOBER 1963

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	40.7	16	25.2	24	31	20	13	1	0	23.1	3	13.0	25	0	0	0	0
	Beni Suef	41.4	17	25.9	24,25	31	22	16	2	0	21.9	9	11.5	27	0	0	0	0
	Minya (A)	41.1	17	25.5	24	31	21	15	1	0	23.0	2,20	10.5	27	0	0	0	0
	Mallawi	41.0	17	25.7	23	31	21	15	1	0	21.4	10	10.5	25,27,28	0	0	0	0
	Asyout (Mangabad) (A)	40.8	16,17	24.3	24	28	22	12	3	0	25.0	2	13.6	25	0	0	0	0
	Shandaweel	40.3	1	26.5	27	31	26	14	1	0	26.0	1	14.0	27	0	6	0	0
	Nag Hammadi	41.7	18	26.1	24	31	24	13	3	0	24.0	1	13.2	26	0	0	0	0
	Kena	42.5	1	28.4	23	31	28	21	5	0	26.0	9	15.0	24	0	0	0	0
	Luxor (A)	41.8	3	26.5	24	31	25	21	6	0	23.6	4	12.3	27	0	0	0	0
	Kom Ombo	44.8	8	28.5	24	31	29	22	19	0	26.2	12	11.6	29	0	0	0	0
	Aswan (A)	44.8	1	27.4	24	31	25	22	20	0	25.4	8	13.6	25	0	0	0	0
Western Desert	Siwa	38.0	6	25.0	24	30	23	8	0	0	23.0	17	10.2	26	0	0	0	0
	Bahariya	41.6	16	25.3	23	31	20	16	1	0	21.9	2	10.1	27	0	0	0	0
	Farafra	42.6	16	25.3	23	31	21	16	2	0	25.2	2	8.3	27	0	0	0	0
	Dakhla	43.2	2	25.6	24	31	24	19	11	0	26.8	2	7.7	27	0	0	0	0
	Kharga	43.2	2	26.8	24	31	26	21	11	0	29.9	1	10.7	27,28	0	0	0	0
Red Sea	Suez	41.0	1	26.7	23,25	31	21	12	3	0	23.8	3	13.7	27	0	0	0	0
	Abu Redes	38.1	16	25.5	25	31	21	3	0	0	28.3	1	17.6	23	0	0	0	0
	Tor	35.2	1	25.0	24	30	18	1	0	0	26.3	4	15.6	28	0	0	0	0
	Hurghada	35.5	1	26.3	24	31	22	1	0	0	27.0	4	15.3	24	0	0	0	0
	Quseir	36.3	18	26.0	24	31	21	1	0	0	27.8	1	17.9	24	0	0	0	0
	Abul Kizan	33.4	11	29.5	26	31	29	0	0	0	30.0	8	25.7	24	0	0	0	0

* More than three days.

Table A 5.—RAINFALL AND SNOW DEPTH

OCTOBER 1963

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	0.6	— 8.9	0.4	15	0	2	0	0	0	0	0	0.0	—
	Sidi Barrani	20.5	+ 6.9	18.6	21	3	4	2	1	1	0	0	0.0	—
	El Kast	trac.	—	trac.	30	1	0	0	0	0	0	0	0.0	—
	Mersa Matruh (A)	3.4	— 11.1	2.5	20	5	3	1	0	0	0	0	0.0	—
	Ras El Hikma	11.0	—	10.7	24	3	2	1	1	1	0	0	0.0	—
	Dalaa	13.9	+ 9.5	13.7	21	1	2	1	1	1	0	0	0.0	—
	Dekheila (A)	32.3	·	19.0	25	1	5	3	2	2	0	0	0.0	—
	Ras El-Teen	3.4		2.5	25	1	4	1	0	0	0	0	0.0	—
	Alexandria (A)	4.8	— 2.7	2.0	22	1	4	2	0	0	0	0	0.0	—
	Rosetta L.H.	6.1	—	2.6	23	0	3	3	0	0	0	0	0.0	—
	Balteam	20.6	—	10.4	22	0	6	3	2	1	0	0	0.0	—
	Damietta	6.6	+ 1.7	6.3	22	0	2	1	1	0	0	0	0.0	—
	Port Said (A)	1.2	— 1.5	1.0	22	1	2	1	0	0	0	0	0.0	—
	El Arish	3.7	— 0.3	3.3	20	0	2	1	0	0	0	0	0.0	—
	Ghazza	31.5	—	12.8	22	0	6	5	3	2	0	0	0.0	—
	Fuka	1.5	— 2.5	1.5	24	0	1	1	0	0	0	0	0.0	—
	Hammam	9.0	+ 3.0	9.0	24	0	1	1	1	0	0	0	0.0	—
	Borg El Arab	5.0	— 2.0	4.0	23	0	2	2	0	0	0	0	0.0	—
	Mex	25.5	+19.5	11.5	25	0	4	4	2	2	0	0	0.0	—
	Tolombat El Tabia	3.0	— 4.0	3.3	31	0	1	1	0	0	0	0	0.0	—
	Kom El Tarfaia	1.0	— 3.0	1.0	21	0	1	1	0	0	0	0	0.0	—
	Rossetta L. H.	2.1	— 5.9	2.1	24	0	1	1	0	0	0	0	0.0	—
	Borollos L.H.	8.2	+ 1.2	4.2	25	0	2	2	0	0	0	0	0.0	—
	Damietta L.H.	5.5	— 1.5	3.0	23	0	3	3	0	0	0	0	0.0	—
Lower Egypt	El Sirw	10.0	+ 7.2	10.0	22	0	1	1	1	1	0	0	0.0	—
	Sakha	trac.	— 4.7	trac.	22	1	0	0	0	0	0	0	0.0	—
	Mansoura	5.4	+ 5.0	5.4	21	1	1	1	1	0	0	0	0.0	—
	Damanhour	7.2	+ 3.5	7.2	21	0	1	1	1	0	0	0	0.0	—
	Tanta	2.1	— 4.3	2.3	21	0	2	1	0	0	0	0	0.0	—
	Tahrir	1.9	—	1.9	21	4	1	1	0	0	0	0	0.0	—
	Shebin El Kom	0.2	+ 0.1	0.1	21,22	0	2	0	0	0	0	0	0.0	—
	Zagazig	0.3	— 1.4	0.3	20	0	1	0	0	0	0	0	0.0	—
	Abu Sueir	1.0	—	1.0	20	1	1	1	0	0	0	0	0.0	—
	Banha (A)	Tr.	— 1.8	Tr.	20,22,31	3	0	0	0	0	0	0	0.0	—
	Zaher (A)	Tr.	—	Tr.	31	1	0	0	0	0	0	0	0.0	—
	Wadi El Natrun	Tr.	— 0.6	Tr.	20,31	2	0	0	0	0	0	0	0.0	—
	Inshas (A)	0.4	—	0.4	22	0	1	0	0	0	0	0	0.0	—
	Fayed (A)	0.3	—	0.3	22	1	1	0	0	0	0	0	0.0	—
	Kabrit (A)	0.8	—	0.8	20	0	1	0	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 Roseili	Tr.	— 5.0	Tr.	*	7	0	0	0	0	0	0	0.0	—
	Kafr El Dawar	3.0	— 3.0	3.0	22	0	1	1	0	0	0	0	0.0	—
	Kafr El Sheikh	2.0	— 2.0	1.0	21,22	0	2	2	0	0	0	0	0.0	—
	Kafr El Zayat	0.0	— 3.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Fagus	1.9	— 1.1	1.9	21	1	1	1	0	0	0	0	0.0	—
Cairo Area	Cairo (A)	Tr.	— 0.2	Tr.	19	1	0	0	0	0	0	0	0.0	—
	Mostafa Helmi (A)	0.4	—	0.4	20	1	1	0	0	0	0	0	0.0	—
	Almaza (A)	Tr.	— 0.6	Tr.	19	1	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	Tr.	— 3.2	Tr.	19,31	2	0	0	0	0	0	0	0.0	—
	Helwan	0.0	— 1.5	0.0	—	0	0	0	0	0	0	0	0.0	—

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

OCTOBER 1963

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.	20	1	0	0	0	0	0	0	0.0	—
	Beni Suef	0.0	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
	Minya (A)	Tr.	— 0.6	Tr.	21	1	0	0	0	0	0	0	0.0	—
	Mallawi	0.0	— Tr.	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	—
	Shandaweel	0.0	— Tr.	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	— 0.6	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)	Tr.	— 0.2	Tr.	8	1	0	0	0	0	0	0	0.0	—
Western Desert	Siwa	Tr.	+ Tr.	Tr.	19	1	0	0	0	0	0	0	0.0	—
	Bahariya	0.8	+ 0.8	0.5	30	0	2	0	0	0	0	0	0.0	—
	Farafra	Tr.	— 1.3	Tr.	30	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	Tr.	+ Tr.	Tr.	17	1	0	0	0	0	0	0	0.0	—
Red Sea	Suez	3.0	+ 0.4	2.0	21	0	2	2	0	0	0	0	0.0	—
	Abu Redes	0.0	—	0.0	—	0	0	0	0	0	0	0	0.0	—
	Tor	0.0	— 1.0	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	— 0.8	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abul Kizan	0.0	— 0.7	0.0	—	0	0	0	0	0	0	0	0.0	—

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

OCTOBER — 1963

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	—	—	—	1.9	—	3.4	—	4.7	—	2.8	—	7.4	—	—	19.0
	Sidi Barrani	—	—	—	—	—	3.9	—	4.7	—	3.0	—	6.5	—	—	—
	El Kasr	—	—	—	—	—	3.6	—	4.4	—	2.7	—	9.5	—	—	—
	Mersa Mtrauh (A)	233.5	353.6	66.0	1.4	—	3.5	—	4.4	—	3.1	—	9.3	—	—	—
	Ras El Hikma	—	—	—	—	—	3.0	—	3.5	—	2.9	—	6.7	—	—	19.5
	Dabaa	—	—	—	—	—	3.9	—	4.4	—	3.6	—	7.2	—	—	—
	Dekheila (A)	—	—	—	1.7	—	2.6	—	3.0	—	2.2	—	6.2	—	—	—
	Ras El Teen	—	—	—	1.8	—	3.3	—	3.5	—	2.5	—	6.1	—	—	—
	Alexandria (A)	266.1	354.2	75.1	2.0	—	3.3	—	3.7	—	3.0	—	5.7	—	—	—
	Rosetta	—	—	—	—	—	2.8	—	2.9	—	1.5	—	5.1	—	—	—
	Balteam	—	—	—	—	—	2.6	—	3.2	—	1.7	—	4.1	—	—	—
	Damietta	—	—	—	—	—	1.7	—	2.2	—	0.8	—	3.6	—	—	—
	Port Said (A)	246.7	354.2	69.6	1.0	—	2.0	—	2.9	—	1.3	—	7.1	48	31	21.8
	El Arish	274.9	353.6	77.6	4.2	—	3.8	—	3.3	—	2.9	—	4.1	—	—	16.1
	Ghazza	260.9	353.6	73.8	3.5	—	3.8	—	3.1	—	2.2	—	3.9	—	—	18.4
Lower Egypt	El Sirw	—	—	—	—	—	1.8	—	2.9	—	0.6	—	3.8	—	—	—
	Sakha	—	—	—	—	—	1.6	—	2.6	—	1.4	—	4.1	—	—	18.6
	Mansoura	—	—	—	—	—	1.7	—	3.6	—	—	—	6.5	—	—	—
	Damanhour	—	—	—	—	—	2.4	—	3.2	—	1.3	—	3.8	—	—	16.4
	Tanta	278.6	354.5	78.6	—	—	1.8	—	2.9	—	0.4	—	5.1	63	42	—
	Tahrir	265.7	355.0	74.9	1.2	—	3.1	—	3.2	—	0.7	—	7.8	—	—	16.0
	Shebin El Kom	—	—	—	—	—	1.5	—	2.1	—	1.0	—	3.6	—	—	—
	Zagazig	—	—	—	—	—	[illegible]	—	3.4	—	0.9	—	6.2	—	—	—
	Abu Sueir (A)	—	—	—	1.2	—	[illegible]	—	4.1	—	1.3	—	8.2	69	36	15.3
	Banha	—	—	—	—	—	[illegible]	—	2.8	—	0.5	—	5.4	—	—	—
	Zaher (A)	—	—	—	—	—	2.2	—	3.7	—	0.6	—	9.7	—	—	—
	Wadi El Natrun	—	—	—	—	—	3.4	—	2.9	—	0.9	—	10.2	—	—	—
	Inshas (A)	—	—	—	0.7	—	2.4	—	2.8	—	1.0	—	8.4	—	—	—
	Fayed (A)	—	—	—	—	—	2.0	—	3.0	—	1.0	—	11.4	—	—	—
	Kabrit (A)	—	—	—	—	—	1.9	—	2.7	—	1.0	—	9.9	—	—	—
Cairo Area	Cairo (A)	—	—	—	1.3	—	2.5	—	3.7	—	1.5	—	14.5	—	—	—
	Mostafa Helmi (A)	—	—	—	1.6	—	3.3	—	3.2	—	0.9	—	10.4	—	—	—
	Almaza (A)	278.1	355.0	78.3	1.5	—	2.8	—	3.2	—	1.3	—	9.6	—	—	—
	Abbasiya (H.Q.)	277.0	355.0	78.0	1.2	—	2.4	—	2.8	—	1.2	—	7.4	69	45	—
	Imbaba (A)	—	—	—	—	—	2.6	—	3.0	—	1.4	—	8.3	—	—	—
	Giza	284.4	355.5	80	0.9	—	2.5	—	2.8	—	0.9	—	8.2	—	—	13.3
	Helwan	—	—	—	0.9	—	1.6	—	2.7	—	1.9	—	17.2	—	—	—
Upper Egypt	Fayoum	—	—	—	—	—	1.3	—	1.6	—	0.9	—	7.5	—	—	16.6
	Beni Suef	—	—	—	—	—	1.1	—	1.7	—	0.7	—	7.2	—	—	17.1
	Minya (A)	—	—	—	1.0	—	1.5	—	2.2	—	1.5	—	9.0	—	36	16.1
	Mallawi	—	—	—	—	—	0.9	—	1.4	—	0.5	—	2.6	—	—	14.8
	Asyout (Mangabad) (A)	—	—	—	0.7	—	1.4	—	1.5	—	0.7	—	13.2	—	46	18.4
	Shandaweel	278.2	355.1	78.3	—	—	1.4	—	1.6	—	1.4	—	4.7	—	—	—
	Nag Hammadi	—	—	—	—	—	0.4	—	0.8	—	0.5	—	5.7	—	—	19.1
	Kena	—	—	—	—	—	0.9	—	1.3	—	0.8	—	8.1	—	—	19.2
	Luxor (A)	—	—	—	0.9	—	1.2	—	1.7	—	1.4	—	9.6	68	48	—
	Kom Ombo	—	—	—	—	—	0.9	—	1.5	—	1.2	—	12.1	—	—	13.9
	Aswan (A)	—	—	—	0.7	—	1.0	—	1.4	—	1.6	—	21.8	—	—	—
Western Desert	Siwa	—	—	—	1.9	—	2.9	—	3.7	—	2.8	—	11.2	68	—	15.7
	Bahariya	—	—	—	1.1	—	2.0	—	2.5	—	1.2	—	7.6	54	37	16.8
	Farafra	—	—	—	—	—	2.0	—	3.0	—	2.1	—	15.4	54	38	16.6
	Dakhla	—	—	—	0.5	—	1.6	—	2.0	—	1.1	—	16.8	61	42	12.9
	Khaga	—	—	—	0.6	—	1.2	—	1.4	—	0.3	—	13.0	—	—	—
Red Sea	Suez	—	—	—	—	—	2.3	—	2.4	—	1.0	—	9.5	—	—	—
	Abu Redes	297.[illegible]	356.2	83.5	—	—	2.1	—	2.8	—	3.0	—	9.4	—	—	—
	Tor	—	—	—	1.5	—	1.8	—	2.5	—	2.0	—	6.6	—	—	—
	Hurghada	—	—	—	1.4	—	1.8	—	2.3	—	2.9	—	16.2	—	—	—
	Quseir	—	—	—	0.5	—	1.3	—	1.7	—	1.0	—	15.2	—	—	—
	Abul Kizan	—	—	—	—	—	1.3	—	1.2	—	0.9	—	5.6	—	—	—

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

OCTOBER 1963

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	Sidi Barrani	5	—	—	—	—	—	20.9	24.8	7	15.0	25	30.1	35.0	2,3,5	23.0	21,22	24.8	29.5	3	18.5	21
		10	—	—	—	—	—	22.7	25.9	7	18.3	27	27.2	31.0	*	23.7	30	26.6	30.7	2,3	22.0	21
		20	—	—	—	—	—	24.8	27.1	7	17.0	25	25.1	27.5	2	22.0	*	26.0	29.1	6	23.0	24·31
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Marsa Matruh (A)	5	23.0	26.3	6	19.5	29	21.3	23.2	6	17.4	25	31.8	35.8	2	25.4	22	25.9	29.5	6	21.7	31
		10	24.4	27.7	7	21.0	30	22.8	24.8	8	19.6	25	27.8	30.8	6	24.4	22	26.9	30.6	6	23.5	26
		20	25.8	27.8	6	22.1	31	24.7	26.8	8	19.0	21	25.3	27.0	8	22.0	31	26.2	28.5	2	22.5	23
		50	25.9	27.9	6	23.9	29	25.5	27.0	3,7·8	23.0	23,25	25.4	27.6	8	23.1	27	25.6	27.2	3,8	23.3	28
		100	25.7	26.8	8,9	23.3	29	25.0	26.4	7	22.8	25	25.7	27.3	7·8	23.0	29	26.0	27.7	1	23.7	31
		200	25.4	25.6	4,19	25.1	28,29	25.5	25.8	6,9	25.0	31	25.5	25.7	2,3,10	25.1	30	25.0	25.7	3,4	24.6	30,31
	Dabaa	5	—	—	—	—	—	20.7	24.2	8	15.0	26	30.1	34.4	3	22.4	23	24.5	28.3	2	19.0	21
		10	—	—	—	—	—	21.9	24.8	8	17.0	26	26.7	29.5	3	21.6	23	25.6	28.7	2	20.6	22
		20	—	—	—	—	—	24.0	26.1	3	20.4	27	24.4	26.4	8,9	21.0	26,27	25.3	27.6	8	22.0	23,26
		50	—	—	—	—	—	25.7	26.8	9,10	23.2	27,28	25.7	26.8	9,10	23.2	27,28	25.7	26.8	9,10	23.2	27,28
		100	—	—	—	—	—	25.3	25.8	1	23.8	31	25.3	25.8	1,7,9	23.8	31	25.3	25.8	*	23.8	31
		200	—	—	—	—	—	24.9	25.0	*	24.7	30,31	24.9	25.0	*	24.7	30,31	24.9	25.0	*	24.7	30,31
	Ras El Hikma	5	—	—	—	—	—	22.2	24.8	1	15.5	26	28.5	32.3	2	23.5	24	24.1	27.0	2	18.5	25
		10	—	—	—	—	—	22.3	24.7	17	16.5	26	26.5	29.5	2	21.5	26	25.0	28.0	2	20.0	25
		20	—	—	—	—	—	22.7	24.7	17	17.5	26	25.2	27.6	2	20.3	26	24.7	27.2	2	20.2	26
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	24.7	25.0	*	23.2	31	24.7	25.0	*	23.2	31	24.7	25.0	*	23.2	31
		200	—	—	—	—	—	23.6	24.0	1,2	23.1	30,31	23.1	24.0	1,2,3	23.6	29,30,31	23.1	24.0	1,2	23.6	29,30,31
	Alexandria (A)	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	27.9	29.4	1	24.1	30	27.8	29.2	4	25.2	31	28.0	29.2	1,2	25.2	31	27.8	29.1	1	25.0	29,30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	El Arish	5	24.4	27.9	3	18.0	24	23.0	26.8	3,9,10	18.0	23,24	28.7	31.8	1,2,3	23.0	23	26.6	30.8	1	20.6	23
		10	25.4	28.2	1,2	20.4	24	27.2	27.4	10	18.4	24	27.8	30.8	1	22.5	23	27.2	30.5	2	21.8	23
		20	27.1	30.2	3	22.0	24	26.2	29.0	10	21.0	28	25.6	29.4	1,3	22.9	24	27.6	30.3	2	23.6	23
		50	28.9	30.8	2,3	26.2	26	30.8	30.7	1,2	26.0	28	28.6	30.5	7,12	26.0	27,28	28.6	30.6	2	26.0	24,28
		100	28.9	30.0	1	27.3	29,30,31	28.9	29.8	*	27.3	29,30,31	28.9	30.0	1,2	27.2	29,30	28.8	29.9	1,5	27.2	30,31
		200	28.7	29.0	*	28.0	31	28.6	29.0	*	28.1	30·31	28.6	29.0	2,5,7	28.0	29,30	28.6	29.0	*	28.0	29,30,31

* More than 3 days.

Table A 7 (*contd.*)—SOIL TEMPERATURES (°C) AT FIXED HOURS
OCTOBER 1963

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	Ghazza	5	24.7	29.0	2	17.8	24	24.0	28.0	1	17.2	23,25	30.2	35.4	2	21.3	23	27.2	31.2	2	19.5	23
		10	25.7	30.0	2	18.9	24	24.6	29.0	5	18.2	25,26	28.2	32.0	—	21.0	23	27.6	31.3	1	20.3	23
		20	26.8	31.0	2	20.0	25	25.9	30.0	6	19.0	25,26	27.5	31.0	1,3	22.7	27	28.0	31.7	1	21.5	23,24
		50	29.3	31.7	2	25.2	26	25.8	31.8	4	24.5	28	29.6	32.5	11	24.5	30	26.9	31.8	1	25.0	29
		100	34.0	35.9	1	32.8	28	34.2	35.8	2,4	32.0	31	34.0	36.5	8	32.0	28	34.0	35.8	1	31.6	28
		200	30.7	31.5	7	29.9	26	30.7	31.5	23	29.6	22	30.8	31.5	1,2	29.9	12	30.7	31.5	6	29.0	28
	Sakha	5	—	—	—	—	—	24.4	25.2	1	22.5	31	25.6	26.2	1	24.2	31	23.9	24.8	6,7,20	22.0	31
		10	—	—	—	—	—	25.2	26.2	1	23.0	31	26.6	27.2	1	25.0	31	24.5	25.5	2,6,7	22.8	24,26
		20	—	—	—	—	—	26.2	27.0	*	24.0	31	27.4	28.0	*	25.8	31	25.3	26.6	7	23.0	26
		50	—	—	—	—	—	24.0	24.8	*	22.0	31	25.2	25.8	1,3,5	24.0	29,30,31	24.1	24.4	5	21.0	26
		100	—	—	—	—	—	23.4	24.2	9	21.7	31	21.5	25.2	5	22.8	31	22.8	23.8	5	20.6	26
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Damanhour	5	—	—	—	—	—	22.1	25.6	2	17.7	28	29.5	34.5	17	23.0	23	24.0	26.7	1	19.8	23
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	25.3	26.4	3,5,9	22.8	31	25.3	26.4	4,5,9	22.8	30	25.2	26.4	4	22.7	30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	23.0	25.7	2	19.0	25	28.8	32.0	3	25.2	23	26.7	30.0	7	22.8	23
		10	—	—	—	—	—	26.8	29.0	2	23.7	27	28.9	31.5	2	25.7	25	28.8	31.3	3	25.7	25
		20	—	—	—	—	—	25.5	27.4	2	22.7	27	25.6	27.6	2	22.7	27	26.1	28.0	3	23.5	27
		50	—	—	—	—	—	29.6	31.3	1	27.1	29	29.4	31.1	2	26.9	29	29.4	31.0	2,3,4	27.0	28,29
		100	—	—	—	—	—	28.4	29.4	1	27.1	31	28.4	29.4	1	27.1	31	28.4	29.4	1	27.0	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tahrir	5	21.8	26.1	20	16.6	23	22.1	26.4	2	17.0	26	36.5	41.3	1	29.3	23	26.7	30.9	1	20.4	23
		10	24.7	27.9	1	19.6	24	22.9	26.6	18	18.1	25	32.3	35.6	1	26.9	23	28.9	32.8	1	23.2	33
		20	27.8	30.4	2	23.7	24	26.1	28.7	2	22.3	25	27.8	30.5	3	24.2	24,25	29.3	32.4	3	25.3	23
		50	28.2	29.9	4	25.4	27,30	28.1	29.9	4	25.4	*	—	—	—	—	—	27.0	29.7	3	25.1	27
		100	—	—	—	—	—	28.7	29.8	1,2,3	26.7	31	—	—	—	—	—	28.7	29.8	1	26.7	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Sueir (A)	5	23.9	27.5	20	19.0	23,25	23.8	28.0	1	18.6	25	38.3	41.2	1	30.1	24	28.4	32.1	1	23.0	22
		10	27.1	30.2	9	22.8	29	25.7	28.7	1	21.1	25	32.8	36.1	1	28.0	24	30.0	33.1	1	25.3	23
		20	28.9	31.1	3	25.2	25	27.6	30.0	2	23.9	25	29.3	32.0	3	25.7	25	30.1	33.0	3	26.5	24,25
		50	29.0	31.8	5	26.8	27,30	29.5	31.4	4	26.5	27,28,29	29.2	31.0	2,3,4	26.1	27	29.7	31.7	1	26.6	28,31
		100	30.3	32.0	1	27.6	31	30.3	31.7	1	27.6	31	30.2	31.7	1	27.0	31	30.2	31.6	—	27.6	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

OCTOBER 1963

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
Cairo Area	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	28.5	31.5	2,5,6	26.1	29,30,31	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	28.5	29.0	*	27.1	30	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Upper Egypt	Giza	5	25.5	28.8	20	20.1	26	24.2	28.5	3	18.7	25	34.7	38.0	3	30.9	24	29.5	33.5	1	25.0	22
		10	28.2	30.7	1	24.3	25	26.4	29.5	3	22.2	25,27	30.4	33.3	1	27.1	25,26	30.6	33.5	1	26.6	28
		20	29.6	31.4	4	26.9	30	29.0	30.7	4	26.1	27	29.0	30.9	3	27.1	27	29.7	31.7	3	27.1	28,29
		50	30.3	31.4	1,5	27.9	31	30.3	31.4	3,4	27.9	31	30.2	31.4	4	27.9	31	30.1	31.3	4	27.9	30,31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Fayoum	5	—	—	—	—	—	24.1	26.8	3	20.0	25,27,28	30.8	33.4	16	27.0	24,25	27.2	29.5	1,3,9	24.0	—
		10	—	—	—	—	—	25.2	27.5	3,20	21.0	27	28.6	31.0	10	25.5	27,28	28.0	30.0	1,3,16	25.0	—
		20	—	—	—	—	—	26.8	28.5	20	24.0	27,28,29	28.1	29.0	—	24.5	26,27,28	27.5	29.1	3	24.7	29
		50	—	—	—	—	—	27.3	28.2	2,3,4	25.2	29,31	27.2	28.1	3	25.0	29	27.1	28.1	2,4	25.0	28,31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	5	25.6	31.0	1,4	20.0	27	24.0	29.0	1,4	18.0	27	31.3	36.0	1	26.5	24	28.6	33.5	1	23.5	23
		10	29.2	33.2	2	24.5	25	27.5	31.5	2	23.0	27,28	30.7	34.5	1	26.5	26	29.9	35.0	1	27.0	—
		20	29.6	32.6	2	25.5	29	28.9	32.0	3	25.0	27,29	29.2	32.2	2	25.5	26,27,28	29.7	32.5	2,3	26.0	26
		50	30.3	32.2	2,3,4	27.0	27	30.3	32.4	3	27.4	30	30.2	32.3	3	27.1	29,30	29.3	32.3	3	27.2	29
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mallawi	5	—	—	—	—	—	20.6	24.6	1	17.0	28,29,30	23.2	28.0	1	18.5	28	23.1	28.0	3	19.0	*
		10	—	—	—	—	—	21.9	25.2	1	18.5	28,29,30	22.9	27.0	1	19.2	28	22.9	26.0	2,3	19.2	28
		20	—	—	—	—	—	23.0	25.8	1	19.5	28,29	23.0	25.8	1	20.0	30	23.0	25.5	*	20.0	30
		50	—	—	—	—	—	23.9	25.0	2,3	22.2	31	23.9	25.0	2,3	22.2	31	23.9	25.0	2,3	22.2	31
		100	—	—	—	—	—	24.1	24.6	*	23.0	31	24.1	24.6	*	23.0	31	24.1	24.6	*	23.0	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

OCTOBER 1963

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	Shandaweel	5	—	—	—	—	—	26.5	31.5	1,2,3	22.0	*	31.9	35.6	11	26.5	31	29.4	32.5	3	25.0	30
		10	—	—	—	—	—	28.5	31.0	4,5	25.0	28,29	28.9	31.3	2,3	25.0	31	29.5	31.7	3	25.5	31
		20	—	—	—	—	—	27.6	31.0	1,2,3	22.0	82	30.1	32.5	1,2,3	25.0	31	29.6	33.0	2,3	25.0	31
		50	—	—	—	—	—	28.5	29.2	3,4	27.0	28	28.5	29.2	6	27.5	30,31	28.6	29.6	1	27.5	28,29,30
		100	—	—	—	—	—	28.6	31.0	1	25.5	29	29.5	31.7	3	26.5	30	29.4	31.5	2,3	26.5	27,28,30
		200	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag-Hammadi	5	—	—	—	—	—	21.8	25.0	10	17.0	27,28	32.5	39.4	1	27.2	26,28	28.3	31.8	1	23.0	26
		10	—	—	—	—	—	23.2	25.6	10	18.8	31	27.4	30.0	1,15	23.2	28,29	25.0	28.2	4	22.3	29
		20	—	—	—	—	—	24.5	27.0	2,6	19.2	26,28	25.6	27.0	*	21.0	28	25.5	27.0	*	22.0	28
		50	—	—	—	—	—	26.3	27.0	*	23.8	30,31	26.3	27.0	*	23.8	30,31	26.3	27.0	*	23.8	30·31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo	5	—	—	—	—	—	23.3	27.5	12	17.8	29	35.4	39.5	8,12	24.3	25	27.5	31.0	7	21.9	29
		10	—	—	—	—	—	24.5	27.6	12	20.0	29,30	29.5	32.5	8	24.3	30	27.5	31.0	7	23.0	26
		20	—	—	—	—	—	26.4	28.2	8	22.8	30	26.7	28.5	*	22.8	30	27.0	29.2	8	23.5	29,30,31
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Western Desert	Siwa	5	24.8	28.4	11	19.9	28	23.8	28.4	3	18.4	25,26	29.4	34.0	3	24.4	24	27.4	30.6	3	22.8	25
		10	26.0	29.2	11	21.6	26	24.5	26.8	—	20.2	26,27,28	28.4	31.8	3	24.6	27	28.0	31.2	3	24.0	27
		20	28.2	29.6	4,11	22.9	26	26.5	28.3	4	21.0	25	28.7	33.4	1,8	23.3	28	28.9	30.8	3	24.2	23
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bahariya	5	24.8	29.3	2,3	17.0	30	22.4	27.7	2	15.0	27	29.2	35.3	2	20.5	29	28.5	33.8	2	20.2	29
		10	27.0	31.2	3	20.0	30	24.9	29.0	2	18.8	30	27.6	32.4	2	21.3	29	29.0	33.7	2	21.6	29
		20	29.0	32.2	3	24.2	27	28.0	31.1	3	23.2	27,30	27.7	30.8	2,3	23.3	27	29.2	32.4	2	24.2	29
		50	30.6	32.0	5	27.6	30,31	30.6	32.0	4,5	27.6	30,31	30.5	32.1	4	27.5	30	30.4	31.9	4,5	27.2	30
		100	30.7	31.4	1	28.4	28	30.7	31.6	4	28.8	31	29.7	31.6	5	28.7	31	30.6	31.3	*	28.7	30,31
		200	30.4	30.8	1,2,3	29.8	27	30.5	30.8	1,2,3	29.9	31	30.5	30.8	1,2,3	29.9	31	30.4	30.8	1·2,3	29.9	31
	Farafra	5	30.0	33.4	18	24.4	27,28	27.7	31.0	18	21.8	28	33.8	38.0	3	27.6	29	33.0	37.8	3	27.4	29
		10	30.7	34.2	4	25.1	30	29.0	32.0	4	23.4	27	30.8	34.2	3	24.9	29	32.2	36.1	3	26.5	29
		20	30.9	33.8	4	25.7	29	30.1	33.2	4	25.1	29	29.8	32.6	4	24.8	28	30.8	33.9	3	25.6	28
		50	28.2	30.4	5	25.6	30,31	29.1	30.4	4,5	25.6	30,31	29.1	30.4	4,5	25.6	30,31	29.0	30.4	4	25.5	30
		100	29.3	29.9	*	27.1	31	29.3	29.9	*	27.1	31	29.3	29.9	*	27.0	31	29.3	29.9	*	27.0	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 8 — FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

OCTOBER 1963

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	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	9	5
	Sidi Barrani	4	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	—	—
	El Kasr	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	—	—
	Mersa Matruh (A)	3	0	0	0	0	0	0	0	0	0	5	2	0	0	0	0	0	11	2
	Ras El Hikma	2	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	—	—
	Dabaa	2	0	0	0	0	1	1	0	0	0	5	0	0	0	0	0	0	—	—
	Dekheila (A)	5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	16	2
	Ras El Teen	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	14	2
	Alexandria (A)	4	0	0	0	0	2	3	7	0	0	0	0	0	0	0	0	0	14	2
	Rosetta	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	—	—
	Balteam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Damietta	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Port Said (A)	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	22	1
	El Arish	2	0	0	0	0	1	2	0	0	0	2	0	0	0	0	0	0	6	4
	Ghazza	1	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	1	9	3
Lower Egypt	El Sirw	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	1	0	0	0	0	1	7	0	0	0	0	0	0	0	0	0	0	—	—
	Damanhour	1	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	—	—
	Tanta	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	1	0	0	0	0	0	8	9	0	0	2	0	0	0	0	0	0	17	0
	Shebin El Kom	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Zagazig	1	0	0	0	0	0	6	1	0	0	0	0	0	0	0	0	0	—	—
	Abu Sueir (A)	1	0	0	0	0	0	18	1	0	0	2	0	0	0	0	0	0	18	1
	Banha	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	—	—
	Zaher (A)	0	0	0	0	0	0	5	0	0	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)	1	0	0	0	0	0	12	1	1	0	1	0	0	0	0	0	0	23	0
	Fayed (A)	1	0	0	0	0	0	3	0	0	0	3	1	0	0	0	0	1	—	—
	Kabrit (A)	1	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	—	—
	Delta Barrage	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cairo Area	Cairo (A)	0	0	0	0	0	0	4	4	4	0	1	0	0	0	0	0	0	15	0
	Mostafa Helmi (A)	1	0	0	0	0	0	7	13	0	0	3	0	0	0	0	0	0	13	1
	Almaza (A)	0	0	0	0	0	0	2	3	7	0	1	0	0	0	0	0	0	17	1
	Abbassiya (H.Q.)	0	0	0	0	0	0	3	0	3	0	1	0	0	0	0	0	0	20	1
	Imbaba (A)	0	0	0	0	0	0	7	0	3	0	0	0	0	0	0	0	0	—	—
	Giza	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	24	0
	Helwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	1

Table A 8 *(contd.)*.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA. OCTOBER 1963

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 is 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	1	0	0	0	0	0	0	0	0	0	0	—	—
	Minya (A)	0	0	0	0	0	0	1	0	2	0	2	0	0	0	0	0	0	24	1
	Mallawi	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad) (A)	0	0	0	0	0	0	1	0	0	0	0	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	2	0	0	0	0	0	0	25	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	3	0	0	0	0	0	0	23	0
Western Desert	Siwa	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	15	0
	Bahariya	2	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	18	1
	Farafra	0	0	0	0	0	1	0	0	1	0	3	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	1	0	0	0	0	4	0	0	0	0	0	0	29	0
Red Sea	Suez	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tor	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	17	0
	Hurghada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0
	Quseir	0	0	0	0	0	0	0	0	4	0	1	0	0	0	0	0	0	25	0
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

OCTOBER 1963

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	9	1	0	1-10	46	66	68	47	57	76	57	62	34	5	36	38	592
					11-27	43	0	5	22	8	8	17	3	1	3	5	27	142
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**89**	**66**	**73**	**69**	**65**	**84**	**74**	**65**	**35**	**8**	**41**	**65**	**734**
	Mersa Matruh (A)	11	8	0	1-10	31	78	43	68	43	45	21	31	24	30	20	8	442
					11-27	59	48	15	35	20	20	12	22	14	4	7	27	283
					28-47	0	0	0	0	0	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**	**126**	**58**	**103**	**63**	**65**	**33**	**53**	**38**	**34**	**27**	**35**	**725**
	Dekheila (A)	15	0	1	1-10	47	76	158	71	70	31	33	17	21	8	8	32	572
					11-27	40	13	64	19	5	0	0	0	0	0	1	14	156
					28-47	0	0	0	0	0	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**	**89**	**222**	**90**	**75**	**31**	**33**	**17**	**21**	**8**	**9**	**46**	**728**
	Ras El Teen	24	1	0	1-10	47	110	111	46	25	17	14	18	11	10	11	12	452
					11-27	92	65	63	6	0	0	3	1	1	1	6	29	267
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**139**	**175**	**174**	**72**	**25**	**17**	**17**	**19**	**12**	**11**	**17**	**41**	**719**
	Alexandria (A)	28	2	1	1-10	69	122	53	38	27	9	13	22	7	4	26	30	422
					11-27	56	80	34	7	0	1	0	0	3	8	51	51	291
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**125**	**204**	**87**	**45**	**27**	**10**	**13**	**22**	**10**	**12**	**77**	**81**	**713**
	Port Said (A)	2	5	0	1-10	89	113	59	12	6	7	8	12	23	32	17	29	404
					11-27	85	106	58	16	2	1	0	0	9	32	12	11	332
					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	**175**	**219**	**117**	**28**	**8**	**8**	**8**	**12**	**32**	**64**	**29**	**40**	**737**
	El Arish	3	32	0	1-10	143	133	25	11	27	96	62	39	56	10	34	49	685
					11-27	0	3	3	0	0	0	0	0	6	7	4	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	**143**	**136**	**28**	**11**	**27**	**96**	**62**	**39**	**62**	**17**	**38**	**50**	**709**
	Ghazza	0	87	0	1-10	34	19	31	36	41	154	20	10	9	18	41	76	489
					11-27	55	50	3	0	0	0	4	9	4	14	8	20	167
					28-47	0	0	0	0	0	1	0	0	0	0	0	0	1
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**89**	**69**	**34**	**36**	**41**	**155**	**24**	**19**	**13**	**32**	**49**	**96**	**657**
Lower Egypt	Mansoura	3	15	43	1-10	66	188	116	34	9	5	0	10	52	26	55	35	596
					11-27	0	21	17	13	0	0	0	1	3	7	18	7	87
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**66**	**209**	**133**	**47**	**9**	**5**	**0**	**11**	**55**	**33**	**73**	**42**	**683**
	Tanta	90	5	0	1-10	73	166	107	50	23	2	2	11	48	26	54	67	629
					11-27	2	5	5	3	0	0	0	0	0	0	5	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	**75**	**171**	**112**	**53**	**23**	**2**	**2**	**11**	**48**	**26**	**59**	**67**	**649**

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

OCTOBER 1963

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
Lower Egypt	Tahrir	26	1	0	1-10	121	144	60	40	31	25	12	29	49	25	50	51	637
					11-27	8	32	19	3	0	2	0	0	3	8	4	1	89
					28-47	0	0	0	0	0	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**	**176**	**79**	**43**	**31**	**27**	**12**	**29**	**52**	**33**	**54**	**52**	**717**
	Abu Sueir (A)	104	7	0	1-10	102	107	60	13	9	5	3	18	35	24	44	50	470
					11-27	64	46	8	0	0	0	0	2	13	12	15	3	163
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**166**	**153**	**68**	**13**	**9**	**5**	**3**	**20**	**48**	**36**	**59**	**53**	**633**
	Zaher (A)	21	0	0	1-10	103	177	103	37	11	5	3	9	27	40	55	91	661
					11-27	12	15	10	5	0	0	0	0	0	2	12	6	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	**115**	**192**	**113**	**42**	**11**	**5**	**3**	**9**	**27**	**42**	**67**	**97**	**723**
Cairo Area	Cairo (A)	14	0	60	1-10	26	73	102	61	10	3	3	13	9	16	30	38	384
					11-27	8	103	84	49	9	0	0	1	1	4	11	16	286
					28-47	0	0	0	0	0	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**	**176**	**186**	**110**	**19**	**3**	**3**	**14**	**10**	**20**	**41**	**54**	**670**
	Mostafa Helmi (A)	6	2	0	1-10	22	106	61	11	15	4	3	5	13	15	27	20	302
					11-27	21	151	155	35	4	0	0	0	3	8	15	42	434
					28-47	0	0	0	0	0	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**	**257**	**216**	**46**	**19**	**4**	**3**	**5**	**16**	**23**	**42**	**62**	**736**
	Almaza (A)	1	0	0	1-10	42	163	241	38	22	18	7	20	11	19	45	39	665
					11-27	1	31	25	10	8	0	0	0	0	1	1	1	78
					28-47	0	0	0	0	0	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**	**194**	**266**	**48**	**30**	**18**	**7**	**20**	**11**	**20**	**46**	**40**	**743**
	Abbassiya (H Q)	57	3	3	1-10	169	264	58	9	6	4	0	9	35	12	49	65	680
					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	**169**	**265**	**58**	**9**	**6**	**4**	**0**	**9**	**35**	**12**	**49**	**65**	**681**
	Giza	36	0	6	1-10	145	254	72	2	4	5	14	8	7	11	20	135	677
					11-27	0	10	9	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	**145**	**264**	**81**	**2**	[illegible]	**5**	**14**	**8**	**7**	**11**	**21**	**140**	**702**
Upper Egypt	Fayoum	76	0	1	1-10	362	87	8	2	1	1	2	12	14	19	37	119	664
					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	**362**	**90**	**8**	**2**	**1**	**1**	**2**	**12**	**14**	**19**	**37**	**119**	**667**
	Minya (A)	43	0	0	1-10	213	67	4	3	5	9	17	0	1	6	22	195	542
					11-27	89	33	0	0	0	0	0	0	0	0	6	31	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	**302**	**100**	**4**	**3**	**5**	**9**	**17**	**0**	**1**	**6**	**28**	**226**	**701**

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

OCTOBER 1963

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
Upper Egypt	Asyout . . . . (A)	7	2	7	1-10	5	19	12	13	9	5	3	23	152	237	78	39	595
					11-27	1	2	7	1	0	0	1	1	11	73	35	1	133
					28-47	0	0	0	0	0	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**	**21**	**19**	**14**	**9**	**5**	**4**	**24**	**163**	**310**	**113**	**40**	**728**
	Luxor . . . . (A)	199	0	0	1-10	158	35	25	23	19	15	10	28	15	29	24	135	516
					11-27	4	2	2	5	6	1	0	0	0	0	0	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	**162**	**37**	**27**	**28**	**25**	**16**	**10**	**28**	**15**	**29**	**24**	**144**	**545**
	Aswan . . . . (A)	1	0	131	1-10	54	262	64	34	23	31	11	1	3	4	2	13	502
					11-27	12	70	3	3	7	15	0	0	0	0	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	**66**	**332**	**67**	**37**	**30**	**46**	**11**	**1**	**3**	**4**	**2**	**13**	**612**
Western Desert	Siwa	158	0	0	1-10	29	41	52	112	97	42	6	8	12	46	57	57	559
					11-27	3	3	6	4	3	5	0	0	0	0	1	2	27
					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	**32**	**44**	**58**	**116**	**100**	**47**	**6**	**8**	**12**	**46**	**58**	**59**	**586**
	Dakhla	56	2	0	1-10	42	143	59	25	48	33	31	42	26	40	67	97	653
					11-27	8	17	3	0	0	1	0	0	0	0	0	4	33
					28-47	0	0	0	0	0	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**	**160**	**62**	**25**	**48**	**34**	**31**	**24**	**26**	**40**	**67**	**101**	**686**
Red Sea	Hurghada	7	11	0	1-10	33	18	10	4	5	20	0	0	3	33	80	37	243
					11-27	63	1	0	0	2	3	0	0	0	70	135	208	482
					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	**96**	**19**	**10**	**4**	**7**	**23**	**0**	**0**	**3**	**103**	**216**	**245**	**726**
	Quseir	0	0	0	1-10	71	29	6	4	4	9	7	12	32	145	172	100	571
					11-27	33	4	0	0	0	0	0	0	1	1	43	91	173
					28-47	0	0	0	0	0	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**	**33**	**6**	**4**	**4**	**9**	**7**	**12**	**33**	**146**	**215**	**191**	**744**

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

SALLUM — OCTOBER 1963

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	1	0	1	4	0	0	1	1	0	2	3	16
				11-27	0	0	0	1	0	0	0	0	0	0	0	1	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	1	0	2	4	0	0	1	1	0	2	4	18
0300	10	0	0	1-10	2	1	0	2	2	0	1	0	2	0	1	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	2	1	0	2	2	0	1	0	2	0	1	4	15
0600	10	0	0	1-10	0	2	1	1	2	0	1	2	0	1	1	2	13
				11-27	1	0	0	0	0	0	0	0	1	1	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	1	2	1	1	2	0	1	2	1	2	4	4	21
0900	9	0	0	1-10	1	1	3	3	2	0	0	1	0	1	0	2	14
				11-27	1	0	0	0	0	0	0	5	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	2	1	3	3	2	0	0	6	0	2	0	3	22
1200	6	0	0	1-10	0	4	5	3	0	0	0	2	0	1	0	1	16
				11-27	1	2	3	0	0	0	0	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	6	8	3	0	0	0	3	1	2	0	1	25
1500	3	0	0	1-10	4	6	4	6	0	0	0	0	0	1	0	1	22
				11-27	3	1	1	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	7	5	6	0	0	0	0	0	1	0	2	28
1800	7	0	0	1-10	2	5	3	5	0	0	0	0	0	0	0	4	19
				11-27	1	1	0	1	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	3	6	3	6	0	0	0	0	0	0	0	6	24
2100	10	0	0	1-10	1	3	1	6	0	0	0	0	1	1	0	6	19
				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	1	3	1	8	0	0	0	0	1	1	0	6	21

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 1963

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	1	0	2	2	1	3	2	1	1	0	0	15
				11-27	2	0	0	2	0	1	2	0	1	0	0	1	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	1	0	4	2	2	5	2	2	1	0	1	24
0300	5	0	0	1-10	1	0	1	0	3	4	2	2	2	1	0	1	17
				11-27	2	0	0	0	1	2	1	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	3	0	1	0	4	6	3	4	3	1	0	1	26
0600	6	0	0	1-10	1	0	0	3	1	2	1	2	1	1	1	0	13
				11-27	2	2	0	0	2	0	2	3	1	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	3	2	0	3	3	2	3	5	2	1	1	0	25
0900	1	0	0	1-10	2	5	1	3	0	0	1	2	1	1	1	0	17
				11-27	3	1	2	2	2	0	1	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	5	6	3	5	2	0	2	2	1	2	1	1	30
1200	0	0	0	1-10	1	9	0	3	0	1	0	0	0	1	0	1	16
				11-27	3	4	1	2	0	0	0	1	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	4	13	1	5	0	1	0	1	0	1	0	5	31
1500	1	0	0	1-10	1	4	3	4	0	0	0	0	0	0	0	2	14
				11-27	1	4	3	2	0	0	0	0	1	0	0	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	2	8	6	6	0	0	0	0	1	0	0	7	30
1800	6	0	0	1-10	0	3	1	7	5	1	0	0	0	1	2	0	18
				11-27	1	1	2	0	0	0	0	0	0	0	1	1	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	2	4	3	5	5	1	0	0	0	1	3	1	25
2100	5	0	0	1-10	1	0	2	4	1	5	1	1	2	1	1	0	19
				11-27	2	0	0	2	1	0	0	0	1	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	3	0	2	6	2	5	1	1	3	1	1	1	26

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

DEKHEILA (A) — OCTOBER 1963

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	2	5	5	4	3	2	0	2	0	0	1	25
				11—27	2	0	0	2	0	0	0	0	0	0	0	1	5
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	2	5	7	4	3	2	0	2	0	0	2	30
0300	5	0	0	1—10	1	3	6	2	4	0	3	1	1	1	0	1	23
				11—27	3	0	0	0	0	0	0	0	0	0	0	0	3
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	3	6	2	4	0	3	1	1	1	0	1	26
0600	1	0	0	1—10	2	0	8	4	0	2	1	1	2	2	0	2	27
				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	4	0	8	4	1	2	1	1	2	2	0	2	30
0900	0	0	0	1—10	3	6	8	0	2	2	1	1	0	2	0	0	25
				11—27	1	0	1	0	1	0	0	0	0	0	0	3	6
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	6	9	0	3	2	1	1	0	2	0	3	31
1200	0	0	0	1—10	2	7	7	0	1	0	0	1	0	0	0	2	20
				11—27	2	1	6	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	4	8	13	0	1	0	0	1	0	0	1	3	31
1500	1	0	0	1—10	3	6	5	2	0	0	0	0	0	0	0	3	19
				11—27	1	1	7	2	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	7	12	4	0	0	0	0	0	0	0	3	30
1800	0	0	0	1—10	5	1	8	4	3	0	0	0	0	0	0	0	21
				11—27	2	1	4	2	0	0	0	0	0	0	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	7	2	12	6	3	0	0	0	0	0	1	0	31
2100	0	0	0	1—10	1	2	7	7	4	2	0	1	0	0	2	2	28
				11—27	1	0	1	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	2	8	7	4	2	0	1	0	0	2	3	31

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

RAS EL TEEN — OCTOBER 1963

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	4	5	4	1	1	2	0	1	0	1	0	19
				11-27	2	3	2	1	0	0	1	0	0	0	0	1	10
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	7	7	5	1	1	3	0	1	0	1	1	29
0300	5	0	0	1-10	1	6	4	3	3	0	1	1	0	0	1	0	20
				11-27	1	1	0	1	0	0	0	0	0	1	0	2	[illegible]
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	7	4	4	3	0	1	1	0	1	1	2	26
0600	4	0	0	1-10	1	6	5	3	3	0	0	1	2	0	0	0	21
				11-27	3	0	0	0	1	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	4	6	5	3	4	0	0	1	2	0	1	1	27
0900	1	0	0	1-10	1	8	2	2	0	0	1	1	1	3	0	2	21
				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	3	14	2	2	0	0	1	1	1	3	0	3	30
1200	1	0	0	1-10	3	3	1	0	0	0	0	0	0	1	0	1	9
				11-27	6	9	4	0	0	0	0	0	0	0	1	1	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	12	5	0	0	0	0	0	0	1	1	2	30
1500	1	0	0	1-10	2	1	3	0	1	0	0	0	0	0	0	0	7
				11-27	6	10	6	0	0	0	0	0	0	0	0	1	23
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	11	9	0	1	0	0	0	0	0	0	1	30
1800	0	0	0	1-10	0	8	3	1	3	0	0	0	0	0	0	0	15
				11-27	1	7	1	2	0	0	0	0	0	0	0	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	1	15	4	3	3	0	0	0	0	0	0	5	31
2100	2	0	0	1-10	1	2	8	2	1	2	0	0	0	0	1	0	17
				11-27	3	4	2	1	0	0	1	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	4	6	10	3	1	2	1	0	0	0	1	1	29

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEEDD AN DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS

ALEXANDRIA (A) — OCTOBER 1963

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	3	8	2	1	3	1	0	2	0	1	0	1	22
				11-27	1	0	2	0	0	0	0	0	0	0	1	1	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	8	4	1	3	1	0	2	0	1	1	2	27
0300	12	0	0	1-10	4	6	1	0	0	0	1	1	0	0	1	2	16
				11-27	0	0	0	1	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	6	1	1	0	0	1	1	0	0	2	3	19
0600	4	0	0	1-10	2	1	4	3	2	0	1	3	1	0	1	2	20
				11-27	0	3	2	0	0	0	0	0	0	0	1	1	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	4	6	3	2	0	1	3	1	0	2	3	27
0900	0	0	0	1-10	4	0	4	1	1	2	0	1	2	0	0	0	15
				11-27	4	1	3	2	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	8	1	7	3	1	2	0	1	2	0	2	4	31
1200	0	0	0	1-10	1	1	0	1	0	0	0	0	1	0	1	0	5
				11-27	11	4	2	0	0	0	0	0	0	1	4	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	12	5	2	1	0	0	0	0	1	1	5	4	31
1500	0	0	0	1-10	4	1	0	0	0	0	0	0	0	1	3	0	9
				11-27	8	8	2	0	0	0	0	0	0	0	1	3	22
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	9	2	0	0	0	0	0	0	1	4	3	31
1800	1	0	0	1-10	2	6	4	0	0	0	0	0	0	1	2	2	17
				11-27	4	5	2	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	6	11	6	0	0	0	0	0	0	1	3	3	30
2100	2	0	0	1-10	3	10	2	2	1	0	1	0	0	1	1	0	23
				11-27	0	1	2	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	11	4	2	1	0	1	0	0	2	2	1	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) — OCTOBER 1963

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	4	5	3	0	1	0	0	1	2	2	0	1	19
				11-27	3	5	1	0	0	0	0	0	0	3	0	0	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	10	4	0	1	0	0	1	2	5	0	1	31
0300	0	0	0	1-10	2	6	4	1	0	1	0	0	2	4	0	0	20
				11-27	1	4	2	1	0	0	0	0	1	1	0	0	10
				28-47	0	0	0	1	0	0	0	0	0	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	10	6	3	0	1	0	0	3	5	0	0	31
0600	0	0	0	1-10	1	5	2	2	0	0	3	1	2	4	0	0	20
				11-27	0	3	3	3	0	0	0	0	0	2	0	0	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	8	5	5	0	0	3	1	2	6	0	0	31
0900	0	0	0	1-10	4	5	7	2	0	0	0	1	1	3	1	1	25
				11-27	0	1	3	0	0	0	0	0	0	2	0	0	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	6	10	2	0	0	0	1	1	5	1	1	31
1200	0	0	0	1-10	10	4	1	1	0	0	0	0	0	0	1	0	17
				11-27	3	4	4	0	0	0	0	0	0	1	1	1	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	8	5	1	0	0	0	0	0	1	2	1	31
1500	0	0	0	1-10	5	3	0	0	1	0	0	0	0	0	0	1	10
				11-27	7	7	1	0	0	0	0	0	0	0	2	1	18
				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	14	10	1	0	1	0	0	0	0	0	2	3	31
1800	1	0	0	1-10	3	1	2	0	0	0	0	1	0	0	1	2	10
				11-27	7	7	3	0	0	0	0	0	0	2	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	10	8	5	0	0	0	0	1	0	2	1	3	30
2100	0	0	0	1-10	6	2	3	1	0	0	1	0	2	1	1	0	17
				11-27	5	2	3	2	0	0	0	0	0	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	11	4	6	3	0	0	1	0	2	3	1	0	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 1963

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	4	0	0	0	1	8	3	5	2	0	1	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	4	0	0	0	1	8	3	5	2	0	1	0	24
0300	9	0	0	1-10	2	1	0	0	1	10	2	1	4	0	1	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	2	1	0	0	1	10	2	1	4	0	1	0	22
0600	1	0	0	1-10	0	2	0	0	1	11	7	4	3	0	1	0	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	0	2	0	0	1	11	7	4	4	0	1	0	30
0900	0	0	0	1-10	11	7	1	1	1	2	1	0	0	3	1	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	11	7	1	1	1	2	1	0	0	4	1	2	31
1200	0	0	0	1-10	11	6	0	0	0	0	0	0	0	0	2	7	26
				11-27	0	2	0	0	0	0	0	0	0	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	11	8	0	0	0	0	0	0	0	0	5	7	31
1500	0	0	0	1-10	11	8	1	1	0	0	0	0	0	1	5	3	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	11	9	1	1	0	0	0	0	0	1	5	3	31
1800	3	0	0	1-10	11	8	2	1	1	0	0	1	0	0	1	2	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	11	8	2	1	1	0	0	1	0	1	1	2	28
2100	4	0	0	1-10	4	5	3	0	1	4	4	2	1	0	0	2	26
				11-27	0	0	0	0	0	0	0	0	1	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	5	3	0	1	4	4	2	2	0	0	2	27

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

GHAZZA — OCTOBER 1963

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	2	0	0	2	7	12	4	1	0	0	1	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	2	0	0	2	7	12	4	1	0	0	1	2	31
0300	0	0	0	1-10	0	0	0	2	3	20	4	0	0	0	1	0	30
				11-27	0	0	0	0	0	0	0	1	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	2	3	20	4	1	0	0	1	0	31
0600	0	0	0	1-10	1	1	1	1	2	17	7	0	0	0	0	0	30
				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	1	1	1	2	17	7	1	0	0	0	0	31
0900	1	0	0	1-10	5	0	0	0	0	0	1	1	2	6	2	5	26
				11-27	1	0	0	0	0	0	0	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	6	0	0	0	0	0	1	1	5	6	2	9	30
1200	0	0	0	1-10	6	0	0	0	0	0	0	0	0	3	3	6	18
				11-27	5	0	1	0	0	0	0	0	0	1	1	5	13
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	0	1	0	0	0	0	0	0	4	4	11	31
1500	0	0	0	1-10	0	3	0	0	0	0	0	0	0	0	2	5	10
				11-27	12	3	0	0	0	0	0	0	0	2	0	4	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	6	0	0	0	0	0	0	0	2	2	9	31
1800	0	0	0	1-10	2	5	4	2	2	0	1	0	2	0	0	2	20
				11-27	6	4	0	0	0	0	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	8	9	4	2	2	0	1	0	2	1	0	2	31
2100	0	0	0	1-10	4	1	3	6	6	7	0	0	0	0	1	0	28
				11-27	0	0	1	0	0	0	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	4	1	4	6	6	7	0	1	0	1	1	0	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 1963

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	4	3	1	1	0	0	0	3	1	0	4	1	18
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**4**	**3**	**1**	**1**	**0**	**0**	**0**	**3**	**1**	**0**	**4**	**1**	**18**
0300	14	0	0	1-10	1	0	3	1	0	1	0	2	2	1	2	3	16
				11-27	0	0	0	0	0	0	0	0	1	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**1**	**0**	**3**	**1**	**0**	**1**	**0**	**2**	**3**	**1**	**2**	**3**	**17**
0600	13	0	0	1-10	1	1	5	3	2	0	0	0	3	0	1	0	16
				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**	**1**	**5**	**3**	**2**	**0**	**0**	**0**	**5**	**0**	**1**	**0**	**18**
0900	0	0	0	1-10	2	9	4	3	0	0	2	0	1	0	2	2	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	**3**	**10**	**5**	**3**	**0**	**0**	**2**	**0**	**1**	**2**	**3**	**2**	**31**
1200	0	0	0	1-10	3	2	3	1	0	0	0	0	0	2	0	4	15
				11-27	4	7	1	0	0	0	0	0	1	1	2	0	16
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**7**	**9**	**4**	**1**	**0**	**0**	**0**	**0**	**1**	**3**	**2**	**4**	**31**
1500	0	0	0	1-10	3	0	0	0	0	0	0	0	0	0	0	1	4
				11-27	17	5	0	0	0	0	0	0	0	0	4	1	27
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**20**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**2**	**31**
1800	1	0	0	1-10	11	8	1	0	0	0	0	0	0	2	2	2	26
				11-27	0	3	0	0	0	0	0	0	0	1	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**11**	**11**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**2**	**2**	**30**
2100	8	0	0	1-10	5	3	1	0	0	0	0	3	0	3	2	5	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**	**3**	**2**	**0**	**0**	**0**	**0**	**3**	**0**	**3**	**2**	**5**	**23**

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

CAIRO (A) — OCTOBER 1963

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of occurrences of wind blowing from the indicated directions												All directions
					345 / 014	015 / 044	045 / 074	075 / 104	105 / 134	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	315 / 344	
0000	3	0	0	1-10	1	5	7	4	3	1	1	1	1	1	0	0	25
				11-27	0	0	0	3	0	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	5	7	7	3	1	1	1	1	1	0	0	28
0300	1	0	0	1-10	2	1	8	7	2	1	1	1	1	1	0	1	27
				11-27	0	0	0	3	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	2	1	8	10	2	1	1	1	1	1	0	1	30
0600	3	0	0	1-10	1	4	10	3	0	0	0	2	0	1	0	1	22
				11-27	0	0	2	3	0	0	0	0	1	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	4	12	6	0	0	0	2	1	1	0	1	28
0900	1	0	0	1-10	1	5	5	1	0	0	0	0	0	1	3	2	18
				11-27	0	2	7	0	1	0	0	0	0	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	7	12	1	1	0	0	0	0	2	4	2	30
1200	0	0	0	1-10	1	3	1	0	0	0	0	0	0	0	4	6	15
				11-27	1	6	6	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	2	9	7	0	0	0	0	0	0	0	5	8	31
1500	0	0	0	1-10	3	1	0	0	0	0	0	0	0	0	2	6	12
				11-27	3	13	2	0	0	0	0	0	0	0	1	0	19
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	14	2	0	0	0	0	0	0	0	3	6	31
1800	0	0	0	1-10	2	1	5	0	0	0	0	0	0	0	3	2	13
				11-27	1	6	8	3	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	3	7	13	3	0	0	0	0	0	0	3	2	31
2100	2	0	0	1-10	1	5	7	7	3	0	0	0	1	2	0	0	26
				11-27	0	0	1	2	0	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	5	8	9	3	0	0	0	1	2	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 (368). — OCTOBER 1963

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	6	6	0	1	0	0	0	0	1	0	1	17
				11-27	3	3	2	3	0	0	0	0	1	0	0	0	12
				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**	**9**	**8**	**3**	**1**	**0**	**0**	**0**	**1**	**1**	**0**	**1**	**29**
0300	2	0	0	1-10	2	5	6	1	2	1	0	0	2	1	0	0	20
				11-27	0	1	4	3	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	**2**	**6**	**10**	**4**	**2**	**1**	**0**	**0**	**2**	**2**	**0**	**0**	**29**
0600	0	0	0	1-10	1	5	3	0	0	0	0	0	3	0	1	0	13
				11-27	2	2	6	5	0	0	0	0	0	3	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
				All speeds	**3**	**7**	**9**	**5**	**0**	**0**	**0**	**0**	**3**	**3**	**1**	**0**	**31**
0900	0	0	0	1-10	1	1	4	0	0	0	0	0	0	0	0	3	9
				11-27	0	5	12	0	0	0	0	0	0	0	4	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
				A speeds	**1**	**6**	**16**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**4**	**31**
1200	0	0	0	1-10	2	1	2	1	0	0	0	0	0	0	2	0	8
				11-27	1	8	7	1	0	0	0	0	0	0	3	3	23
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**3**	**9**	**9**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**3**	**31**
1500	0	0	0	1-10	1	1	1	0	0	0	0	0	0	0	1	1	5
				11-27	1	14	6	0	0	0	0	0	0	0	0	5	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	**2**	**15**	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**6**	**31**
1800	0	0	0	1—10	2	1	2	0	0	0	0	0	0	0	0	1	6
				11-27	3	12	8	1	0	0	0	0	0	0	0	1	25
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥4	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**5**	**13**	**10**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**31**
2100	0	0	0	1-10	1	7	2	0	0	0	0	0	0	1	2	0	13
				11-27	0	7	5	3	1	0	0	0	0	0	1	1	18
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**1**	**14**	**7**	**3**	**1**	**0**	**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

ALMAZA (A) — OCTOBER 1963

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	1	8	9	5	2	1	0	1	0	1	1	0	29
				11-27	0	1	0	1	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**1**	**9**	**9**	**6**	**2**	**1**	**0**	**1**	**0**	**1**	**1**	**0**	**31**
0300	2	0	0	1-10	1	3	11	4	2	3	1	0	2	0	0	0	28
				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**	**1**	**11**	**4**	**3**	**3**	**1**	**0**	**2**	**0**	**0**	**0**	29
0600	0	0	0	1-10	1	7		4	1	1	0	3	0	3	0	2	28
				11-27	0	0	2	0	0	0	0	0	0	0	0	0	2
				28-47	0	0	1	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	**1**	**7**	**12**	**1**	**1**	**1**	**0**	**3**	**0**	**3**	0	**2**	**31**
0900	0	0	0	1-10	1	7	5	0	0	0	0	0	0	3	3	1	20
				11-27	0	3		1	1	0	0	0	0	0	1	0	10
				28-47	0	0	1	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	**1**	**10**	**30**	**1**	**1**	**0**	**0**	**0**	**0**	**3**	**4**	**1**	**31**
1200	0	0	0	1-10	2	5	4	1	0	0	0	1	0	1	4	5	23
				11-27	3	2	2	0	0	0	0	0	0	0	0	0	7
				28-47	0	0	1	0	0	0	0	0	0	0	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**5**	**7**	**7**	**1**	**0**	**0**	**0**	**1**	**0**	**1**	**4**	**5**	**31**
1500	0	0	0	1-10	2	1		0	0	0	0	0	0	0	0	4	17
				11-27	0	13	0	0	0	0	0	0	0	0	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	**2**	**17**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**31**
1800	0	0	0	1-10	2	10	8	0	0	0	0	0	0	0	1	4	25
				11-27	0	1	4	0	0	0	0	0	0	0	0	0	5
				28-47	0	1	0	0	0	0	0	0	0	0	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**2**	**12**	**12**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**31**
2100	1	0	0	1-10	0	6	11	2	2	1	0	0	0	1	1	1	28
				11-27	0	0	0	1	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	1	0	0	0	0	0	0	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**6**	**14**	**4**	**2**	**1**	**0**	**0**	**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

ABBASIYA (H.Q.) — OCTOBER 1963

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	7	0	0	1-10	8	9	3	1	0	0	0	0	2	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	**8**	**9**	**3**	**1**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**24**
0300	9	0	0	1-10	10	8	0	1	0	0	0	1	2	0	0	0	22
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**10**	**8**	**0**	**1**	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**0**	**22**
0600	7	0	0	1-10	8	7	4	0	0	0	0	2	1	0	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	**8**	**7**	**4**	**0**	**0**	**0**	**0**	**2**	**1**	**0**	**1**	**1**	**24**
0900	0	0	0	1-10	2	14	2	1	0	0	0	0	0	4	3	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	**2**	**14**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**4**	**3**	**5**	**31**
1200	1	0	0	1-10	6	10	0	0	0	0	0	0	0	2	3	8	19
				11-27	0	1	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**6**	**11**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**3**	**8**	**20**
1500	1	0	0	1-10	13	8	0	0	0	0	0	0	0	0	0	7	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	**13**	**9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**7**	**30**
1800	3	0	0	1-10	3	19	1	0	0	0	0	0	0	0	1	4	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	**3**	**19**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**28**
2100	6	0	0	1-10	7	13	2	1	0	0	0	0	1	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	**7**	**13**	**2**	**1**	**0**	**0**	**0**	**0**	**1**	**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

GIZA — OCTOBER 1963

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	9	7	1	1	0	0	0	0	2	0	0	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**	**7**	**1**	**1**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**5**	**25**
0300	10	0	0	1-10	5	6	1	0	0	0	2	0	0	0	1	5	20
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				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**	**6**	**1**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**1**	**5**	**21**
0600	3	0	0	1-10	5	7	3	0	0	1	2	0	0	2	0	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	**5**	**7**	**3**	**0**	**0**	**1**	**2**	**0**	**0**	**2**	**0**	**8**	**28**
0900	1	0	0	1-10	1	11	7	0	0	0	0	0	1	0	3	5	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	**1**	**13**	**7**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**5**	**30**
1200	0	0	0	1-10	5	14	2	0	0	0	0	0	0	0	0	7	29
				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	**6**	**15**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**31**
1500	0	0	0	1-10	9	14	0	0	0	0	0	0	0	0	0	5	28
				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	**9**	**17**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**31**
1800	2	0	0	1-10	3	13	7	0	0	0	0	0	0	0	0	4	27
				11-27	0	0	2	0	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**3**	**13**	**9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**29**
2100	4	0	0	1-10	4	13	2	0	1	0	0	0	0	0	0	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	**4**	**13**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**27**

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

HELWAN — OCTOBER 1963

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	0	0	0	0	0	0	0	0	0	2	12
				11-27	2	10	3	0	0	0	0	0	0	0	0	0	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	14	3	0	0	0	0	0	0	0	0	2	27
0300	6	0	0	1-10	3	7	4	0	0	0	0	0	0	0	0	2	16
				11-27	1	7	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	4	14	5	0	0	0	0	0	0	0	0	2	25
0600	8	0	0	1-10	0	3	5	2	0	0	0	0	0	0	0	1	11
				11-27	1	6	5	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	1	9	10	2	0	0	0	0	0	0	0	1	23
0900	1	0	0	1-10	3	0	1	1	0	0	1	0	0	1	3	5	15
				11-27	2	5	5	2	0	0	0	0	0	1	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	5	5	6	3	0	0	1	0	0	2	3	5	30
1200	2	0	0	1-10	3	1	0	0	0	0	0	0	0	1	1	3	9
				11-27	3	10	3	0	0	0	0	0	0	1	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	6	11	3	0	0	0	0	0	0	2	1	6	29
1500	1	0	0	1-10	4	3	0	0	0	0	0	0	0	0	1	3	11
				11-27	5	11	2	0	0	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	9	14	2	0	0	0	0	0	0	0	1	4	30
1800	1	0	0	1-10	3	0	0	0	0	0	0	0	0	0	0	0	3
				11-27	8	15	1	0	0	0	0	0	0	0	0	3	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	11	15	1	0	0	0	0	0	0	0	0	3	30
2100	1	0	0	1-10	5	4	1	0	0	0	0	0	0	0	0	1	11
				11-27	6	10	1	0	0	0	0	0	0	0	0	0	17
				28-47	0	1	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	11	15	3	0	0	0	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

MINYA (A) — OCTOBER 1963

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	4	0	0	0	0	0	0	0	0	0	2	12
				11-27	2	10	3	0	0	0	0	0	0	0	0	0	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	14	3	0	0	0	0	0	0	0	0	2	27
0300	6	0	0	1-10	4	7	4	0	0	0	0	0	0	0	0	1	16
				11-27	1	7	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	5	14	5	0	0	0	0	0	0	0	0	1	25
0600	8	0	0	1-10	0	4	5	2	0	0	0	0	0	0	0	1	12
				11-27	1	5	5	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	1	9	10	2	0	0	0	0	0	0	0	1	23
0900	0	0	0	1-10	4	0	1	1	0	0	1	0	0	1	3	4	15
				11-27	2	5	5	2	0	0	0	0	0	2	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	5	6	3	0	0	1	0	0	3	3	4	31
1200	2	0	0	1-10	3	1	0	0	0	0	0	0	0	1	1	3	9
				11-27	3	10	3	0	0	0	0	0	0	1	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	6	11	3	0	0	0	0	0	0	2	1	6	29
1500	1	0	0	1-10	4	3	0	0	0	0	0	0	0	0	1	3	11
				11-27	5	11	2	0	0	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	9	14	2	0	0	0	0	0	0	0	1	4	30
1800	1	0	0	1-10	3	0	0	0	0	0	0	0	0	0	0	0	3
				11-27	8	15	1	0	0	0	0	0	0	0	0	3	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	11	15	1	0	0	0	0	0	0	0	0	3	30
2100	1	0	0	1-10	5	4	1	0	0	0	0	0	0	0	0	1	11
				11-27	6	10	1	0	0	0	0	0	0	0	0	0	17
				28-47	0	1	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	11	15	3	0	0	0	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.

ASYOUT — OCTOBER 1963

Hour (U.T.C.)	Calm	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of directions indicated												
					345 / 014	015 / 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	1	0	1	0	0	1	11	7	3	0	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**	**1**	**1**	**0**	**1**	**0**	**0**	**1**	**11**	**8**	**3**	**0**	**26**
0300	4	0	0	1-10	0	0	0	1	0	2	0	1	12	10	1	0	27
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**0**	**1**	**0**	**2**	**0**	**1**	**12**	**10**	**1**	**0**	**27**
0600	3	0	0	1-10	0	0	0	1	1	0	0	1	4	15	4	2	28
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**1**	**4**	**15**	**4**	**2**	**28**
0900	1	0	0	1-10	2	1	2	0	0	0	0	0	0	13	8	2	28
				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**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	**8**	**2**	**30**
1200	0	0	0	1-10	0	0	1	0	0	0	0	0	0	7	2	1	11
				11-27	0	0	1	1	0	0	0	1	1	10	5	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**	**0**	**2**	**1**	**0**	**0**	**0**	**1**	**1**	**17**	**7**	**2**	**31**
1500	1	0	0	1-10	0	2	1	0	0	0	0	0	0	6	6	1	16
				11-27	0	0	0	0	0	0	0	0	0	10	4	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**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**16**	**10**	**1**	**30**
1800	5	0	0	1-10	1	0	0	1	0	0	0	1	11	5	4	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	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**1**	**11**	**5**	**4**	**3**	**26**
2100	4	0	1	1-10	0	0	0	1	0	0	0	0	10	8	2	2	23
				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	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**12**	**8**	**3**	**2**	**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 1963

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	22	0	0	1-10	3	0	0	1	0	0	0	1	3	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	3	0	0	1	0	0	0	1	3	1	0	0	9
0300	24	0	0	1-10	1	0	0	3	0	0	0	1	1	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	2	0	0	3	0	0	0	1	1	0	0	0	7
0600	26	0	0	1-10	3	0	1	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	3	0	1	0	0	0	0	0	0	0	0	1	5
0900	5	0	0	1-10	13	1	1	0	0	0	0	0	0	2	0	7	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	15	1	1	0	0	0	0	0	0	2	0	7	26
1200	2	0	0	1-10	14	0	0	0	0	0	0	0	0	1	1	13	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	14	0	0	0	0	0	0	0	0	1	1	13	29
1500	14	0	0	1-10	4	1	0	0	1	0	0	1	0	1	1	8	17
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	1	0	0	1	0	0	1	0	1	1	8	17
1800	15	0	0	1-10	4	0	1	1	1	0	0	0	0	1	0	2	10
				11-27	0	0	0	2	1	0	0	1	0	0	0	2	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	0	1	3	2	0	0	1	0	1	0	4	16
2100	17	0	0	1-10	3	1	0	2	1	0	2	1	0	0	0	3	13
				11-27	0	1	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	2	0	2	1	0	2	1	0	0	0	3	14

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

ASWAN — OCTOBER 1963

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	8	0	1	2	0	0	0	0	0	0	3	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	17	8	0	1	2	0	0	0	0	0	0	3	31
0300	2	0	0	1-10	11	12	2	0	0	0	0	0	0	0	0	0	25
				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	12	15	2	0	0	0	0	0	0	0	0	0	29
0600	5	0	0	1-10	[illegible]	10	4	0	0	0	0	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	12	10	4	0	0	0	0	0	0	0	0	0	26
0900	2	0	0	1-10	4	6	5	2	2	1	1	0	0	0	0	0	21
				11-27	5	1	1	1	0	0	0	0	0	0	0	0	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	7	6	3	2	1	1	0	0	0	0	0	29
1200	1	0	0	1-10	3	5	2	1	3	1	2	1	0	0	0	2	20
				11-27	4	2	1	3	0	0	0	0	0	0	0	0	10
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	7	3	4	3	1	2	1	0	0	0	2	30
1500	1	0	0	1-10	3	8	2	1	1	1	1	0	0	0	1	1	19
				11-27	4	4	0	1	1	0	1	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	7	12	2	2	2	1	2	0	0	0	1	1	30
1800	0	0	0	1-10	10	5	1	1	3	0	0	0	0	1	0	1	22
				11-27	2	5	0	0	1	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	1	1	4	0	0	0	0	1	0	2	31
2100	1	0	0	1-10	6	6	2	3	1	1	0	0	0	0	0	1	20
				11-27	4	2	1	0	1	1	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	10	8	3	3	2	2	0	0	0	0	0	2	30

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

SIWA — OCTOBER 1963

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	14	0	0	1-10	1	0	3	10	1	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	1	0	3	10	1	0	0	0	0	1	0	1	17
0300	17	0	0	1-10	1	2	1	7	1	1	0	0	0	0	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	1	2	1	7	1	1	0	0	0	0	0	1	14
0600	15	0	0	1-10	0	2	2	2	6	0	0	0	1	0	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	2	2	2	6	0	0	0	1	0	1	2	16
0900	2	0	0	1-10	2	1	0	1	8	1	2	1	0	3	2	3	27
				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	1	0	1	8	3	2	1	0	3	2	3	29
1200	2	0	0	1-10	2	1	3	3	3	1	0	0	0	5	6	3	27
				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	1	3	4	3	1	0	0	0	6	6	3	29
1500	4	0	0	1-10	3	4	3	1	1	2	0	0	0	1	0	3	24
				11-27	1	0	0	0	0	0	0	0	0	0	1	1	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	4	3	1	1	2	0	0	0	1	1	4	27
1800	14	0	0	1-10	1	1	2	3	3	0	0	0	0	1	0	3	14
				11-27	0	2	1	0	0	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	3	3	3	3	0	0	0	0	1	0	3	17
2100	14	0	0	1-10	2	2	3	7	2	0	0	0	0	0	0	0	16
				11-27	0	0	1	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	4	7	2	0	0	0	0	0	0	0	17

Table A 10 —NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS BAHARIYA — OCTOBER 1963

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	4	7	3	0	0	0	0	0	0	0	0	0	14
				11-27	0	1	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	8	3	0	0	0	0	0	0	0	0	0	15
0300	22	0	0	1-10	3	4	0	1	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	3	4	0	1	0	0	0	0	0	0	0	1	9
0600	16	0	0	1-10	3	5	4	0	0	0	0	0	0	1	0	1	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	4	5	4	0	0	0	0	0	0	1	0	1	15
0900	6	0	0	1-10	4	8	6	2	0	1	1	0	0	0	1	1	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	8	6	2	0	1	1	0	0	0	1	2	25
1200	4	0	0	1-10	10	5	5	0	0	1	1	0	0	0	0	5	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	5	5	0	0	1	1	0	0	0	0	5	27
1500	5	0	0	1-10	4	8	5	0	0	0	1	0	0	0	1	7	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	8	5	0	0	0	1	0	0	0	1	7	26
1800	5	0	0	1-10	9	8	3	0	0	0	0	0	0	0	1	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	9	8	3	0	0	0	0	0	0	0	1	5	26
2100	11	0	0	1-10	8	6	2	0	0	0	0	0	0	0	1	0	17
				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	9	7	3	0	0	0	0	0	0	0	1	0	20

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

DAKHLA (A) — OCTOBER 1963

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	2	2	1	2	2	1	2	3	3	4	4	28
				11-27	1	1	0	0	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	3	2	1	2	2	1	2	3	3	4	4	30
0300	6	0	0	1-10	1	0	0	0	1	2	3	3	8	1	5	0	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	1	1	0	0	1	2	3	3	8	1	5	0	25
0600	5	0	0	1-10	1	1	2	2	1	2	3	0	3	3	3	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	1	1	2	2	1	2	3	0	3	3	3	5	26
0900	0	0	0	1-10	2	8	2	2	4	4	0	1	0	1	0	6	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	1	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	8	2	2	4	4	0	1	0	1	0	7	31
1200	1	0	0	1-10	4	8	1	2	1	0	2	1	0	0	1	7	27
				11-27	1	0	0	0	1	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	5	8	1	2	2	0	2	1	0	0	1	8	30
1500	0	0	0	1-10	10	13	1	0	2	0	1	0	0	0	0	3	30
				11-27	0	1	0	0	0	0	0	0	0	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 speeds	10	14	1	0	2	0	1	0	0	0	0	3	1
1800	7	0	0	1-10	7	6	1	4	1	1	0	0	0	0	1	2	23
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	6	1	4	1	1	0	0	0	0	1	2	24
2100	3	0	0	1-10	2	7	0	0	1	1	2	3	0	3	1	7	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	3	7	0	0	1	1	2	3	0	3	1	7	28

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

KHARGA — OCTOBER 1963

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	11	0	0	0	0	0	0	0	0	0	0	0	11
				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	18	0	0	0	0	0	0	0	0	0	0	0	18
0300	18	0	0	1-10	10	1	0	0	0	0	0	0	0	0	0	0	11
				11-27	2	0	0	0	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	1	0	0	0	0	0	0	0	0	0	0	13
0600	17	0	0	1-10	12	1	0	0	0	0	0	0	0	0	0	0	13
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	1	0	0	0	0	0	0	0	0	0	0	14
0900	4	0	0	1-10	13	8	0	0	2	0	0	0	0	0	0	1	24
				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	10	0	0	2	0	0	0	0	0	0	1	27
1200	3	0	0	1-10	18	3	1	0	1	0	0	1	0	0	0	4	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	18	3	1	0	1	0	0	1	0	0	0	4	28
1500	6	0	0	1-10	19	3	0	1	0	0	0	0	0	1	0	1	25
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	19	3	0	1	0	0	0	0	0	1	0	1	25
1800	9	0	0	1-10	19	1	0	0	0	0	0	0	0	0	0	0	20
				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	21	1	0	0	0	0	0	0	0	0	0	0	22
2100	13	0	0	1-10	12	1	0	0	0	0	0	0	0	0	0	3	16
				11-27	2	0	0	0	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	1	0	0	0	0	0	0	0	0	0	3	18

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS TOR — OCTOBER 1963

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	4	2	0	1	0	0	0	0	0	0	4	4	15
				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	4	2	0	1	0	0	0	0	0	0	6	5	18
0300	17	0	0	1-10	4	1	0	1	0	0	0	0	0	1	2	2	11
				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	4	1	0	1	0	0	0	0	0	1	4	3	14
0600	14	0	0	1-10	5	2	0	0	0	0	0	0	0	1	1	4	13
				11-27	0	0	0	0	0	0	0	0	0	0	1	3	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	2	0	0	0	0	0	0	0	1	2	7	17
0900	1	0	0	1-10	0	0	0	0	0	0	0	1	0	0	11	6	24
				11-27	0	0	0	0	0	0	0	0	0	0	5	1	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	1	0	6	16	7	30
1200	2	0	0	1-10	0	0	0	0	0	0	1	0	1	4	10	1	17
				11-27	0	0	0	0	0	0	0	0	0	2	6	3	11
				28-47	1	0	0	0	0	0	0	0	0	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	1	0	1	6	16	4	29
1500	3	0	0	1-10	0	0	0	0	0	0	0	2	0	4	8	4	18
				11-27	0	0	0	0	0	0	1	0	0	1	4	3	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	1	0	0	0	0	0	1	2	0	5	12	7	28
1800	11	0	0	1-10	2	0	0	1	0	0	0	1	0	1	6	3	14
				11-27	1	0	0	0	0	1	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	4	0	0	1	0	1	0	1	0	1	8	4	20
2100	14	0	0	1-10	3	0	0	0	1	0	0	0	0	1	6	3	14
				11-27	1	0	0	0	0	0	0	0	0	1	1	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	0	0	0	1	0	0	0	0	2	7	3	17

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

HURGHADA — OCTOBER 1963

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	3	4	1	8
				11-27	0	0	0	0	0	0	0	0	0	6	11	4	21
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	0	0	9	15	5	29
0300	1	0	0	1-10	0	0	0	0	0	0	0	0	0	5	3	1	9
				11-27	0	0	0	0	0	0	0	0	0	8	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	0	0	0	0	0	0	0	0	0	13	6	11	30
0600	0	0	0	1-10	0	0	0	0	0	0	0	0	0	0	6	0	6
				11-27	0	0	0	0	0	0	0	0	0	3	8	13	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	0	0	0	0	0	0	0	0	0	3	15	13	31
0900	0	0	0	1-10	2	1	0	1	0	0	0	0	0	0	0	0	4
				11-27	1	0	0	0	0	0	0	0	0	0	0	26	27
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	1	0	1	0	0	0	0	0	0	0	26	31
1200	0	0	0	1-10	2	5	2	0	0	0	0	0	0	0	0	0	9
				11-27	14	0	0	0	1	0	0	0	0	0	1	6	22
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	16	5	2	0	1	0	0	0	0	0	1	6	31
1500	3	0	0	1-10	3	2	0	0	3	1	0	0	0	1	0	6	16
				11-27	1	0	0	0	0	0	0	0	0	0	1	10	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	2	0	0	3	1	0	0	0	1	1	16	28
1800	3	0	0	1-10	0	0	0	0	0	2	2	0	1	1	1	3	10
				11-28	0	0	0	0	0	1	0	0	0	1	8	8	18
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	3	2	0	1	2	9	11	28
2100	2	0	0	1-10	0	0	0	0	1	0	0	0	0	4	5	2	12
				11-27	0	0	0	0	0	1	0	0	0	9	3	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	0	0	0	0	1	1	0	0	0	13	8	6	29

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

QUSEIR — OCTOBER 1963

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	0	0	0	0	0	0	0	0	0	11	15	0	26
				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	0	0	0	0	0	0	0	0	11	20	0	31
0300	0	0	0	1-10	0	0	0	0	0	0	0	2	2	9	11	1	25
				11-27	0	0	0	0	0	0	0	0	1	0	5	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	0	0	2	3	9	16	1	31
0600	0	0	0	1-10	1	0	0	0	0	0	0	0	0	9	7	3	19
				11-27	0	0	0	0	0	0	0	0	0	0	4	7	12
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	0	0	0	9	11	10	31
0900	0	0	0	1-10	4	4	0	0	0	0	0	0	0	0	0	4	12
				11-27	3	0	0	0	0	0	0	0	0	0	0	16	19
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	4	0	0	0	0	0	0	0	0	0	20	31
1200	0	0	0	1-10	10	1	1	0	0	0	0	0	0	0	0	2	17
				11-27	10	0	0	0	0	0	0	0	0	0	0	4	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	20	1	1	0	0	0	0	0	0	0	0	6	31
1500	0	0	0	1-10	10	1	3	0	2	0	0	0	0	0	1	12	29
				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	1	3	0	2	0	0	0	0	0	1	14	31
1800	3	0	0	1-10	0	0	0	0	0	0	2	0	2	8	14	1	27
				11-27	0	0	0	0	0	0	0	0	0	0	1	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	2	0	2	8	15	1	28
2100	3	0	0	1-10	0	0	1	0	0	1	2	0	0	9	13	0	26
				11-27	0	0	0	0	0	0	0	0	0	0	2	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	1	0	0	1	2	0	0	9	15	0	28

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — OCTOBER 1963

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 . .	31	1013mb.*	1015mb.*	1011mb.*	31	21.1	24.3	16.3	31	16.8
1000	31	154	175	139	31	21.2	24.3	16.6	31	16.4
850	31	1550	1583	1521	31	14.7	20.0	7.1	30	3.5
700	31	3159	3215	3085	31	3.0	7.5	— 3.6	26	— 5.7
600	31	4392	4454	4305	31	— 4.4	— 1.3	—10.0	24	—12.8
500	31	5803	5878	5700	31	—13.6	— 8.8	—20.7	17	—20.8
400	31	7461	7551	7315	31	—26.1	—22.8	—32.7	13	—30.8
300	30	9480	9530	9285	30	—41.8	—39.0	—45.5	—	—
200	29	12120	12255	11914	29	—58.1	—52.8	—65.0	—	—
150	28	13916	14055	13721	28	—61.1	—56.5	—66.4	—	—
100	24	16437	16638	16222	24	—62.7	—58.7	—67.0	—	—
60	14	19592	19727	19406	14	—62.3	—57.8	—66.6	—	—
40	11	22141	22261	21973	11	—57.0	—52.5	—61.0	—	—
30	7	23994	24109	23931	7	—53.3	—50.8	—56.4	—	—
20	4	26617	26681	26538	4	—49.0	—45.6	—54.6	—	—
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

MERSA MATRUH (A) — 1200 U.T. — OCTOBER 1963

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 . .	31	1012mb.*	1015mb.*	1010mb.*	31	25.6	28.6	21.6	31	17.2
1000	31	154	176	132	31	24.5	28.6	20.2	31	16.1
850	31	1556	1585	1517	31	15.3	20.6	7.4	30	3.2
700	31	3169	3215	3095	31	4.3	9.3	— 1.3	23	— 5.6
600	31	4407	4455	4307	31	— 3.6	0.8	— 8.3	19	—12.0
500	31	5823	5896	5695	31	—13.2	— 9.8	—18.5	17	—19.9
400	31	7485	7580	7332	31	—25.2	—22.4	—29.5	14	—28.4
300	31	9504	9622	9344	31	—41.3	—37.0	—45.0	—	—
200	31	12155	12320	11964	31	—56.5	—50.5	—63.6	—	—
150	31	13960	14149	13766	31	—60.6	—52.8	—65.2	—	—
100	29	16488	16682	16342	28	—62.5	—58.0	—69.5	—	—
60	13	19664	19804	19520	13	—60.2	—53.7	—65.0	—	—
40	11	22215	22364	22093	11	—54.7	—49.1	—58.5	—	—
30	6	24060	24171	23948	6	—50.2	—48.5	—53.2	—	—
20	5	26738	26861	26613	5	—44.2	—41.8	—47.2	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Number of observation of specified pressure surfaces.

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—0000 U.T. — OCTOBER 1963

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	999*mb.	1[illegible]*mb.	99[illegible]*mb.	31	21.5	26.5	15.1	31	15.2
1000	31	12[illegible]	[illegible]	1[illegible]8	11	19.4	24.4	15.1	11	13.4
850	31	1535	15[illegible]	1401	31	17.8	25.1	6.6	27	2.6
700	31	31[illegible]3	32[illegible]	30[illegible]	31	7.2	11.0	0.0	19	— 5.0
600	31	4408	447[illegible]	43[illegible]	31	— 2.0	5.6	— 6.3	18	—10.6
500	31	5830	590[illegible]	57[illegible]	31	—11.4	— 1.7	—16.7	14	—20.6
400	31	7500	75[illegible]	7347	31	—24.6	—22.0	—29.0	13	—30.7
300	31	9529	96[illegible]	9313	31	—40.2	—37.4	—43.2	1	—39.8
200	31	12190	122[illegible]6	12[illegible]	31	—56.6	—52.4	—64.2	—	—
150	31	13988	14[illegible]1	13821	31	—61.5	—56.1	—68.3	—	—
100	29	16488	16[illegible]	163[illegible]4	29	—65.7	—61.4	—69.7	—	—
60	27	19600	19[illegible]8	19[illegible]3	27	—63.2	—59.0	—68.6	—	—
40	19	22139	22230	21979	19	—57.6	—55.2	—59.5	—	—
30	18	23973	24[illegible]7	23[illegible]2	18	—53.1	—48.9	—55.3	—	—
20	13	26641	26723	26513	13	—47.7	—45.0	—50.7	—	—
10	1	31212	—	—	1	—41.7	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—1200 U.T. — OCTOBER 1963

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	9[illegible]7*mb.	[illegible]*mb.	[illegible]*mb.	31	31.1	39.0	23.0	31	9.8
1000	31	117	11[illegible]	[illegible]	—	—	—	—	—	—
850	31	1533	157[illegible]	1489	31	18.2	26.8	8.7	29	1.5
700	31	31[illegible]	32[illegible]	30[illegible]8	31	7.1	10.9	— 0.2	20	— 8.8
600	31	44[illegible]8	448[illegible]	4301	31	— 1.9	— 1.8	— 8.1	21	—12.0
500	31	5832	5[illegible]	57[illegible]	31	—11.2	— 8.7	—15.0	15	—20.2
400	31	75[illegible]	75[illegible]7	7374	31	—23.7	—20.6	—28.2	10	—30.0
300	30	9543	9[illegible]	9366	30	—39.4	—35.8	—43.7	2	—39.9
200	29	12100	1233[illegible]	120[illegible]	29	—56.7	—51.2	—62.7	—	—
150	28	14008	14138	13805	28	—61.1	—56.5	—67.0	—	—
100	27	16501	16642	163[illegible]4	27	—64.6	—61.6	—67.8	—	—
60	24	19620	197[illegible]	19415	24	—61.9	—58.1	—65.0	—	—
40	19	22195	22[illegible]	2[illegible]018	19	—54.0	—49.5	—58.2	—	—
30	16	24152	2418[illegible]	23887	16	—50.7	—46.8	—55.0	—	—
20	8	2[illegible]636	26[illegible]	26505	8	—45.1	—43.1	—50.2	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) —0000 U.T. — OCTOBER 1963

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	989mb.*	993mb.*	985mb.*	30	24.9	30.4	15.1	30	4.6
1000	—	—	—	—	—	—	—	—	—	—
850	30	1512	1536	1481	30	20.5	26.9	9.2	12	—13.0
700	30	3178	3193	3074	30	7.8	11.2	0.8	17	— 8.6
600	30	4306	4410	4290	30	— 2.5	1.5	— 6.4	18	—13.2
500	30	5822	5883	5706	30	—10.4	— 7.0	—15.5	6	—22.5
400	30	7513	7585	7374	30	—22.2	—19.2	—25.8	1	—23.9
300	30	9565	9698	9408	30	—37.7	—34.3	—42.7	1	—43.0
200	30	12237	12374	12052	30	—55.8	—51.2	—60.8	—	—
150	27	14068	14157	13919	27	—65.7	—59.1	—71.1	—	—
100	24	16400	16537	16316	24	—71.1	—68.2	—74.0	—	—
60	20	19512	19566	19340	20	—66.1	—62.1	—71.7	—	—
40	14	21651	22122	21714	14	—60.1	—56.4	—69.9	—	—
30	8	23842	23950	23729	8	—54.0	—53.0	—55.2	—	—
20	8	26415	26491	26345	8	—49.7	—47.0	—53.9	—	—
10	1	31222	—	—	1	—43.3	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — OCTOBER 1963

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	988mb.*	991mb.*	984mb.*	29	37.6		26.3	29	4.1
1000	—	—	—	—	—	—	—	—	—	—
850	29	1531	1571	1502	29	21.1	32.1	11.5	12	— 5.8
700	29	3186	3232	3118	29	10.9	14.8	5.1	14	— 8.8
600	29	4445	4504	4372	29	1.7	5.3	— 1.3	14	—14.4
500	28	5882	5964	5808	28	— 7.5	— 3.8	—12.0	3	—20.3
400	29	7588	7681	7519	29	—19.3	—14.0	—24.5	—	—
300	29	9670	9779	9573	29	—35.3	—31.5	—37.8	—	—
200	27	12385	12511	12279	27	—52.9	—48.4	—57.8	—	—
150	24	14195	14349	14032	24	—63.7	—60.6	—68.8	—	—
100	21	16532	16795	16461	21	—68.9	—65.8	—77.7	—	—
60	18	19720	19926	19526	18	—62.9	—60.3	—65.9	—	—
40	11	22259	22517	22024	11	—54.8	—49.2	—58.8	—	—
30	9	24093	24264	23879	9	—50.5	—46.0	—53.8	—	—
20	4	26770	26980	26599	4	—44.3	—41.1	—46.7	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

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 1963

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)	3586 (31)	607 (31)	—15.0 (28)	4440	621	—10.0	2400	762	— 4.3	1184 (27)	193 (27)	—59.2 (27)	15700	118	—61.5	10300	260	—59.7	12400	185	240	102
Helwan	4000 (31)	630 (31)	— 8.0 (15)	4840	579	—	3113	760	— 1.7	13056 (30)	175 (30)	—62.7 (30)	16540	100	—68.7	10610	250	—50.7	19340	62	070	155
Aswan . . . .(A)	4135 (30)	619 (30)	—12.1 (16)	4700	580	—	3340	670	—	15030 (23)	120 (23)	—70.3 (23)	16620	97	—75.6	13400	167	—65.0	14100	143	270	110

(*N*) Number of cases the element has been observed during the month.

Table B 3.—MEAN AND EXTREME VALUES OF THE FREEZING LEVEL AND THE TROPOPAUSE THE HIGHEST WIND SPEED IN THE UPPER AIR

1200 U.T. — OCTOBER 1963

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)										
Marsa Matruh (A)	3744 (31)	657 (31)	— 7.8 (21)	4560	590	— 5.2	2350	770	— 9.0	12424 (28)	202 (28)	—59.0 (28)	14400	141	—60.0	10150	256	—49.5	13040	171	240	105
Helwan	4015 (31)	628 (31)	—12.1 (24)	4700	582	—	2600	741	—	12900 (27)	180 (27)	—60.6 (27)	15350	121	—66.2	10620	252	—51.1	12100	201	260	126
Aswan . . . (A)	4648 (29)	583 (29)	—15.3 (12)	5300	542	—	4000	628	—17.2	15325 (20)	126 (20)	—69.2 (20)	16800	95	—75.5	13840	161	—64.2	12600	195	260	127

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

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 1963

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	2	6	0	—	5	8	1	10	3	8	4	9	3	10	0	—	3	11	1	21	1	19	6	31	8
1000	3	9	1	5	2	4	3	9	2	6	3	8	3	9	2	12	2	8	3	11	1	16	2	14	4	31	8
850	2	14	1	16	0	—	2	13	1	8	2	6	1	12	4	9	4	9	5	12	3	11	3	11	3	31	10
700	1	20	0	—	1	2	0	—	0	—	0	—	0	—	5	20	11	18	7	18	2	12	3	20	1	31	17
600	0	—	0	—	0	—	0	—	0	—	0	—	1	34	2	23	13	27	10	20	3	16	2	16	0	31	23
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	29	16	28	7	25	2	24	1	45	0	31	28
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	31	18	27	6	41	2	26	1	36	0	30	32
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	36	13	42	10	33	1	28	0	—	0	29	37
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	36	15	47	8	[illegible]	0	—	0	—	0	26	46
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	46	11	54	4	37	0	—	0	—	0	19	49
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	40	5	34	1	43	0	—	0	—	0	8	37
60	0	—	0	—	1	12	0	—	0	—	0	—	0	—	1	10	2	10	0	—	0	—	0	—	0	4	11
40	0	—	0	—	2	10	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	2	10
30	0	—	0	—	1	8	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	1	8
20	0	—	0	—	1	3	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	1	3
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	13	10	2	9	4	9	0	—	0	—	1	5	1	19	2	12	1	9	1	21	3	16	0	31	12
1000	3	13	12	11	2	9	4	9	0	—	0	—	1	5	1	19	2	12	1	7	1	13	4	16	0	31	12
850	1	18	1	9	1	5	1	25	1	3	1	5	3	5	6	12	1	12	3	8	4	16	5	9	0	31	11
700	2	18	0	—	0	—	0	—	0	—	0	—	0	—	8	17	7	25	7	18	4	15	2	18	1	31	18
600	1	17	0	—	0	—	0	—	0	—	0	—	1	33	8	21	7	31	11	23	1	15	2	10	0	31	23
500	1	2	0	—	0	—	0	—	0	—	0	—	1	34	6	28	14	27	7	22	2	27	0	—	0	31	26
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	31	17	31	6	25	1	31	0	—	0	31	30
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	39	17	39	7	39	1	3[illegible]	0	—	0	31	38
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	23	18	43	7	38	1	31	0	—	0	27	40
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	23	18	38	4	44	0	—	0	—	0	23	39
100	0	—	0	—	1	14	0	—	0	—	0	—	1	21	1	20	7	30	0	—	0	—	0	—	0	10	26
60	0	—	0	—	0	—	1	19	0	—	1	15	0	—	0	—	0	—	0	—	0	—	0	—	0	2	17
40	0	—	0	—	0	—	0	—	1	15	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	1	15
30	0	—	0	—	0	—	0	—	1	19	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	1	19
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	11	18	14	2	18	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	8	2	31	12
1000	6	10	5	15	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	11	13
850	3	8	3	11	3	33	1	14	0	—	2	8	2	8	1	4	3	8	1	28	9	13	3	9	0	31	12
700	1	5	1	19	1	6	0	—	1	3	2	8	0	—	4	16	9	19	6	18	6	17	0	—	0	31	16
600	0	—	0	—	0	—	0	—	0	—	0	—	1	22	5	25	10	18	11	29	2	12	2	8	0	31	22
500	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	16	15	29	11	30	1	23	0	—	0	31	28
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	37	14	30	16	32	0	—	0	—	0	31	32
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	15	37	11	50	2	28	0	—	0	28	42
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	48	9	57	10	71	3	30	0	—	0	25	58
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	9	61	11	56	0	—	0	—	0	20	58
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	31	9	37	4	37	0	—	0	—	0	15	36
60	1	7	0	—	2	32	0	—	0	—	0	—	2	37	0	—	1	8	0	—	0	—	0	—	0	6	25
40	0	—	0	—	3	19	0	—	1	20	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	4	19
30	1	6	2	14	0	—	0	—	0	—	0	—	1	18	0	—	0	—	0	—	0	—	0	—	0	4	13
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	8	15	13	2	18	0	—	0	—	0	—	0	—	0	—	0	—	3	8	0	—	7	11	0	31	12
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	4	10	6	9	4	15	1	11	0	—	0	—	2	8	4	11	3	14	1	21	2	12	4	11	0	31	11
700	1	2	0	—	1	11	0	—	0	—	1	8	2	14	5	24	7	21	9	19	4	12	1	18	0	31	18
600	0	—	1	7	0	—	0	—	0	—	1	8	0	—	4	14	15	28	6	20	3	12	1	31	0	31	22
500	0	—	0	—	0	—	3	—	0	—	0	—	0	—	4	15	16	25	8	30	0	—	2	31	0	30	25
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	19	15	31	10	40	1	18	1	50	0	30	33
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	20	11	46	14	48	2	23	0	—	0	29	43
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	9	39	16	59	0	—	0	—	0	25	52
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	12	48	9	51	0	—	0	—	0	21	49
100	0	—	0	—	0	—	1	6	0	—	0	—	0	—	4	23	9	41	2	24	0	—	0	—	0	16	32
60	0	—	0	—	0	—	1	10	2	13	0	—	1	7	0	—	0	—	1	4	2	18	0	—	0	7	12
40	0	—	0	—	0	—	2	12	0	—	0	—	1	11	1	8	1	5	0	—	0	—	0	—	0	5	10
30	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	8	1	5	0	—	0	—	0	—	0	2	7
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	1	6	7	4	8	6	6	1	12	0	—	0	—	0	—	0	—	1	7	0	—	[illegible]	[illegible]	1	30	8
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	2	10	2	8	7	11	7	12	4	19	2	16	0	—	0	—	0	—	1	13	3	8	2	8	0	30	12
700	1	10	1	4	5	16	7	16	4	10	2	6	1	8	1	18	2	30	3	21	1	28	2	14	0	30	15
600	1	13	1	12	4	13	7	15	2	13	3	7	1	16	2	17	3	25	5	19	1	24	0	—	0	30	16
500	1	43	2	5	0	—	1	8	5	10	1	3	3	8	0	—	10	26	3	30	3	5	0	—	1	30	16
400	0	—	0	—	0	—	1	8	0	—	0	—	1	16	0	—	18	27	10	19	0	—	0	—	0	30	23
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	17	13	29	10	39	5	25	1	21	0	30	31
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	22	7	52	15	54	3	58	0	—	2	29	48
150	0	—	0	—	0	—	0	—	0	—	0	—	1	6	0	—	8	45	14	61	1	35	0	—	0	24	52
100	1	7	0	—	0	—	0	—	0	—	0	—	2	21	2	54	9	40	3	52	1	39	1	2	0	19	37
60	0	—	0	—	0	—	1	14	0	—	1	13	1	10	2	12	3	26	4	26	0	—	0	—	0	12	20
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	13	11	3	6	2	5	4	10	1	15	1	3	1	5	0	—	0	—	0	—	0	—	2	9	2	29	9
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	1	11	2	8	6	10	7	7	3	18	2	5	1	14	0	—	2	14	0	—	1	10	4	12	0	29	10
700	0	—	1	4	3	13	7	9	4	15	2	11	1	12	1	11	4	12	3	20	2	16	1	4	0	29	16
600	0	—	0	—	1	3	9	12	6	14	2	12	0	—	1	13	4	25	2	26	2	20	1	23	1	29	15
500	1	5	1	11	3	6	1	4	2	9	4	7	1	13	1	2	7	26	8	28	0	—	0	—	0	29	17
400	1	4	0	—	0	—	0	—	0	—	2	6	2	5	5	19	7	34	8	33	1	15	2	13	1	29	23
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	34	11	32	13	38	0	—	0	—	0	29	35
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	33	18	60	3	38	0	—	0	26	52
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	24	4	48	14	50	3	47	0	—	0	22	48
100	0	—	0	—	0	—	1	16	0	—	0	—	1	10	0	—	7	43	4	40	0	—	0	—	0	1[illegible]	37
60	0	—	0	—	0	—	3	10	0	—	1	15	0	—	1	19	0	—	0	—	1	26	0	—	0	6	15
40	0	—	0	—	0	—	1	15	0	—	0	—	0	—	0	—	0	—	0	—	1	12	0	—	0	2	14
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

REVIEW OF AGRO-METEOROLOGICAL STATIONS

GIZA — OCTOBER 1963

This month was warm and dry as compared with the normal values of air temperature and humidity for Giza during October. The daily mean air temperature at 2 metres above ground was above normal ; the mean daily relative humidity was below normal and the total rainfall was below normal (—3 mms). The month was characterized by a prolonged heat wave during the first two weeks, an intense heat wave during the period (15th. — 19th.), and a cold spell during the period (22nd. — 25th.). The heat wave gave the absolute maximum air temperature at 2 metres and the lowest relative humidity for the month on the 16th. (40.1°C and 24%) respectively.

The extreme maximum soil temperatures in the dry field at depths between 0.3 and 50 cms. depth inclusive were lower than the corresponding values for October 1962. The deviation was in the range 4.5°C at 1 cm. depth and 0.2°C at 50 cms. depth. At 100 cms. depth, the extreme maximum soil temperature was +0.3°C higher than the corresponding value of last October. The extreme minimum soil temperatures were lower than the corresponding values for October 1962 ; the devaition was in the range —3.0°C at 2 cms. depth and —0.1°C at 100 cms. depth.

The daily mean wind speed at 2 metres above ground was slightly higher than the corresponding value for last October (+0.2°C). The daily mean values of Piche evaporation, water pan evaporation, potential evaporation and potential evapotranspiration were +1.3, +0.61, —0.5, and + 0.6 mms. respectively relative to the corresponding values of last October. The total actual duration of bright sunshine was 10.6 hours lower than thecorresponding value of October 1962.

TAHRIR — OCTOBER 1963

This month was characterized by a prolonged heat wave with a peak on the 17th. Rainfall occurred on 4 days. 3 of them being traces. The first decade of the month suffered frequent early morning mist and fog.

Comparing this month with October 1962. we find that the deviations were : + 0.2°C, 0%, +0.3 mm. for mean air temperature, mean relative humidity, and mean vapour pressure respectively. Deviations of mean evaporation from Piche and pan A. of mean wind speed at 2 metres were +1.8 mms, + 0.30 mm. and +0.2 m/sec. respectively. Actual sunshine duration was 22.2 hours (or 6% of possible duration) less than last year. Rainfall total was 1.9 mms. against traces for last year.

As for soil temperature extremes the minima were persistently lower by amounts varying from 2.8°C at 1 cm. depth to 0.3°C at 1 metre depth, while the maxima were sometimes higher and sometimes lower without significant departures.

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

GIZA — OCTOBER 1963

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 °
1	35.7	20.3	27.4	23.9	29.4	24.0	24.0	24.0	24.0	24.0	24.0	14.5	9.0	0.0	0.0	0.0
2	33.6	22.2	27.2	25.4	29.7	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.5	0.0	0.0	0.0
3	34.7	22.8	27.7	24.9	30.6	24.0	24.0	24.0	24.0	24.0	24.0	14.5	8.0	0.0	0.0	0.0
4	32.5	19.1	25.6	23.6	28.6	24.0	24.0	24.0	24.0	24.0	22.0	12.5	5.5	0.0	0.0	0.0
5	32.6	18.4	24.8	21.9	26.8	24.0	24.0	24.0	24.0	24.0	18.0	12.0	5.0	0.0	0.0	0.0
6	33.3	18.2	26.0	23.6	28.4	24.0	24.0	24.0	24.0	24.0	20.0	13.0	7.0	0.0	0.0	0.0
7	34.3	17.7	25.9	22.8	29.1	24.0	24.0	24.0	24.0	24.0	18.0	14.0	7.0	0.0	0.0	0.0
8	33.6	20.6	26.3	24.0	28.9	24.0	24.0	24.0	24.0	24.0	24.0	13.0	6.0	0.0	0.0	0.0
9	33.6	21.3	26.5	24.3	28.8	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.0	0.0	0.0	0.0
10	33.6	21.7	26.9	24.9	29.5	24.0	24.0	24.0	24.0	24.0	24.0	14.0	6.5	0.0	0.0	0.0
11	33.4	18.4	25.3	23.5	27.7	24.0	24.0	24.0	24.0	24.0	19.0	11.5	5.5	0.0	0.0	0.0
12	33.5	17.6	25.3	23.0	27.9	24.0	24.0	24.0	24.0	24.0	19.0	12.5	5.5	0.0	0.0	0.0
13	33.0	20.6	26.1	23.6	28.8	24.0	24.0	24.0	24.0	24.0	24.0	12.5	6.0	0.0	0.0	0.0
14	31.1	18.7	24.8	23.2	26.8	24.0	24.0	24.0	24.0	24.0	17.5	11.0	3.0	0.0	0.0	0.0
15	33.3	18.5	26.1	23.2	28.6	24.0	24.0	24.0	24.0	24.0	22.5	13.0	6.0	0.0	0.0	0.0
16	40.1	20.7	28.1	24.5	31.6	24.0	24.0	24.0	24.0	24.0	24.0	15.0	8.0	4.5	0.0	0.0
17	38.4	19.6	27.8	24.3	30.8	24.0	24.0	24.0	24.0	24.0	24.0	15.0	9.0	4.0	0.0	0.0
18	34.1	23.3	27.7	26.0	29.4	24.0	24.0	24.0	24.0	24.0	24.0	16.5	6.5	0.0	0.0	0.0
19	35.5	22.4	28.2	26.9	29.8	24.0	24.0	24.0	24.0	24.0	24.0	18.5	6.5	0.0	0.0	0.0
20	29.5	22.6	25.4	26.3	26.1	24.0	24.0	24.0	24.0	24.0	24.0	13.0	0.0	0.0	0.0	0.0
21	27.4	17.6	22.6	23.0	24.3	24.0	24.0	24.0	24.0	24.0	19.5	5.5	0.0	0.0	0.0	0.0
22	26.9	13.9	20.0	19.0	22.8	24.0	24.0	24.0	24.0	23.0	10.0	3.5	0.0	0.0	0.0	0.0
23	26.6	12.7	19.0	16.2	21.7	24.0	24.0	24.0	24.0	17.5	10.0	1.0	0.0	0.0	0.0	0.0
24	25.6	11.8	18.[illegible]	15.8	21.9	24.0	24.0	24.0	24.0	18.0	10.0	0.0	0.0	0.0	0.0	0.0
25	25.8	11.2	18.4	16.2	20.8	24.0	24.0	24.0	24.0	16.5	10.5	0.0	0.0	0.0	0.0	0.0
26	27.4	11.8	19.2	16.7	22.1	24.0	24.0	24.0	24.0	18.0	10.5	3.0	0.0	0.0	0.0	0.0
27	27.0	11.6	19.7	16.3	23.0	24.0	24.0	24.0	24.0	17.0	12.0	5.5	0.0	0.0	0.0	0.0
28	28.4	13.1	21.0	17.6	23.9	24.0	24.0	24.0	24.0	19.5	15.5	7.0	0.0	0.0	0.0	0.0
29	28.1	14.2	21.3	19.4	23.5	24.0	24.0	24.0	24.0	22.5	14.5	6.0	0.0	0.0	0.0	0.0
30	29.4	15.4	21.4	19.5	24.2	24.0	24.0	24.0	24.0	24.0	12.0	7.0	0.0	0.0	0.0	0.0
31	31.0	14.9	22.1	19.2	25.7	—	—	—	—	24.0	14.0	8.0	0.0	0.0	0.0	0.0
Total	—	—	—	—	—	744.0	744.0	744.0	744.0	704.0	582.5	320.0	123.5	8.5	0.0	0.0
Mean	31.7	17.8	24.3	22.0	26.8	24.0	24.0	24.0	24.0	22.7	18.8	10.3	4.0	0.3	0.0	0.0

Highest maximum at 2 metres 40.1 °C on 16th — Highest minimum at 2 metres 23.3 °C on 18th

Lowest maximum at 2 metres 25.6 °C on 24th — Lowest minimum at 2 metres 11.2 °C on 25th

Absolute minimum temperature at 5 cms. Above dry soil 7.2 °C on 25 th.

" " " " " " wet soil 7.9 °C on 25 th.

" " " " " " grass 6.8 °C on 25 th.

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

TAHRIR — OCTOBER 1963

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	35.6	19.3	26.3	22.9	29.0	24.0	24.0	24.0	24.0	24.0	22.0	12.0	7.5	0.0	0.0	0.0
2	34.0	20.4	26.4	23.9	28.9	24.0	24.0	24.0	24.0	24.0	24.0	13.0	5.5	0.0	0.0	0.0
3	35.1	20.8	26.2	23.9	29.0	24.0	24.0	24.0	24.0	24.0	24.0	11.0	7.0	0.0	0.0	0.0
4	32.3	18.9	24.7	22.3	27.8	24.0	24.0	24.0	24.0	24.0	19.5	10.5	5.5	0.0	0.0	0.0
5	33.2	17.7	24.8	21.0	28.1	24.0	24.0	24.0	24.0	24.0	17.5	11.0	6.0	0.0	0.0	0.0
6	34.0	16.3	25.9	21.2	28.6	24.0	24.0	24.0	24.0	24.0	17.0	11.5	7.0	0.0	0.0	0.0
7	34.0	18.4	25.4	22.3	28.6	24.0	24.0	24.0	24.0	24.0	20.0	11.0	6.5	0.0	0.0	0.0
8	33.4	20.5	25.6	22.9	28.9	24.0	24.0	24.0	24.0	24.0	24.0	11.5	6.0	0.0	0.0	0.0
9	32.8	18.8	25.1	22.2	28.2	24.0	24.0	24.0	24.0	24.0	20.0	11.0	5.5	0.0	0.0	0.0
10	33.0	18.2	24.9	22.1	28.5	24.0	24.0	24.0	24.0	24.0	20.0	11.0	6.5	0.0	0.0	0.0
11	33.3	16.5	24.1	20.8	27.7	24.0	24.0	24.0	24.0	24.0	16.5	9.5	5.5	0.0	0.0	0.0
12	32.0	17.3	24.2	21.0	27.2	24.0	24.0	24.0	24.0	24.0	17.0	10.5	5.0	0.0	0.0	0.0
13	33.1	18.6	24.7	21.9	28.2	24.0	24.0	24.0	24.0	24.0	19.5	10.0	5.0	0.0	0.0	0.0
14	30.8	17.6	23.6	21.3	26.5	24.0	24.0	24.0	24.0	24.0	17.0	9.0	1.5	0.0	0.0	0.0
15	32.3	17.8	24.3	20.7	27.5	24.0	24.0	24.0	24.0	24.0	17.0	10.5	4.5	0.0	0.0	0.0
16	33.6	19.7	27.7	22.4	28.9	24.0	24.0	24.0	24.0	24.0	23.0	11.0	6.0	0.0	0.0	0.0
17	39.3	22.0	27.5	23.7	30.7	24.0	24.0	24.0	24.0	24.0	24.0	13.5	7.5	3.5	0.0	0.0
18	32.3	22.8	26.5	25.2	28.4	24.0	24.0	24.0	24.0	24.0	24.0	14.0	5.0	0.0	0.0	0.0
19	33.7	22.8	27.1	24.8	29.6	24.0	24.0	24.0	24.0	24.0	24.0	16.0	6.5	0.0	0.0	0.0
20	30.7	20.3	24.8	24.9	26.7	24.0	24.0	24.0	24.0	24.0	24.0	9.0	0.0	0.0	0.0	0.0
21	27.4	17.0	21.9	20.8	24.1	24.0	24.0	24.0	24.0	24.0	14.5	5.5	0.0	0.0	0.0	0.0
22	25.7	15.7	19.6	18.8	22.0	24.0	24.0	24.0	24.0	24.0	9.5	0.5	0.0	0.0	0.0	0.0
23	23.9	13.1	18.7	16.7	21.0	24.0	24.0	24.0	24.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0
24	26.2	14.0	19.3	16.7	21.8	24.0	24.0	24.0	24.0	23.0	10.0	1.5	0.0	0.0	0.0	0.0
25	26.3	12.7	18.9	16.5	21.5	24.0	24.0	24.0	24.0	17.0	10.0	0.0	0.0	0.0	0.0	0.0
26	27.6	13.5	19.8	16.7	23.0	24.0	24.0	24.0	24.0	18.0	11.0	5.5	0.0	0.0	0.0	0.0
27	28.5	14.4	20.5	17.5	23.6	24.0	24.0	24.0	24.0	22.5	12.0	6.5	0.0	0.0	0.0	0.0
28	29.6	13.4	20.7	18.0	23.8	24.0	24.0	24.0	24.0	21.0	12.5	7.0	0.0	0.0	0.0	0.0
29	29.0	13.9	20.6	18.0	23.4	24.0	24.0	24.0	24.0	21.5	12.5	6.0	0.0	0.0	0.0	0.0
30	30.5	15.0	21.4	18.7	24.4	24.0	24.0	24.0	24.0	24.0	14.0	7.0	0.0	0.0	0.0	0.0
31	29.2	16.8	21.8	18.9	24.3	24.0	24.0	24.0	24.0	24.0	12.5	5.5	0.0	—	—	—
Total	—	—	—	—	—	744.0	744.0	744.0	744.0	719.5	542.5	271.5	109.5	3.5	0.0	0.0
Mean	31.4	17.6	23.5	20.9	26.4	24.0	24.0	24.0	24.0	23.2	17.5	8.8	3.5	0.1	0.0	0.0

Highest maximum at 2 metres 39.3°C on 17th.

Highest minimum at 2 metres 22.8°C on 18-19th.

Lowest maximum at 2 metres 23.9°C on 23rd

Lowest minimum at 2 metres 12.7°C on 25th.

Absolute minimum temperature at 5 cms. above dry soil 10.2 °C on 25th.

" " " " " 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 1963

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	1.9	1.8	2.1	447	10.8	11.9	91	4	9	79	39	18.0	16.3	11.7	7.26	0.0
2	2.3	1.9	2.9	416	4.4	11.9	37	6	10	77	51	19.4	19.1	11.6	6.17	0.0
3	2.4	2.0	3.1	389	9.2	11.8	78	4	9	70	39	17.1	15.4	15.1	10.03	0.0
4	2.6	1.8	3.7	412	10.5	11.8	89	3	9	64	36	14.3	12.8	16.4	8.29	0.0
5	1.9	1.2	2.9	420	10.7	11.8	91	2	7	67	37	14.2	12.8	14.3	8.23	0.0
6	2.4	1.6	3.4	446	10.7	11.8	91	4	8	63	26	12.6	9.8	17.9	9.00	0.0
7	2.3	1.4	3.5	445	10.8	11.7	92	4	8	71	33	15.4	13.0	17.2	10.14	0.0
8	2.7	2.0	3.5	425	9.5	11.7	81	5	11	80	41	18.1	15.7	13.3	6.62	0.0
9	2.9	2.3	3.7	399	9.7	11.7	83	7	11	79	47	18.5	17.6	12.4	7.23	0.0
10	3.0	2.5	3.6	406	10.0	11.6	86	2	7	62	46	16.2	17.1	15.6	8.94	0.0
11	2.2	1.7	3.1	422	10.4	11.6	90	4	8	69	33	14.2	12.1	15.1	8.11	0.0
12	2.4	1.5	3.5	401	9.0	11.6	78	4	9	72	33	15.4	11.9	15.7	8.53	0.0
13	3.2	2.6	4.0	386	9.8	11.6	84	4	8	72	38	16.2	13.7	14.7	7.82	0.0
14	2.5	2.1	3.0	343	7.8	11.5	68	4	9	76	47	16.3	15.1	12.1	7.85	0.0
15	2.5	1.9	3.3	400	10.4	11.5	90	0	5	65	35	14.7	12.7	16.3	8.97	0.0
16	2.6	2.7	2.5	379	9.7	11.5	84	0	0	58	25	13.6	11.8	17.8	9.93	0.0
17	1.8	2.0	1.6	366	8.3	11.4	73	0	3	66	27	15.1	12.9	14.3	7.29	0.0
18	2.5	2.3	3.0	363	8.6	11.4	75	2	7	74	44	18.2	16.9	16.8	7.89	0.0
19	3.0	3.0	2.9	323	7.1	11.4	62	0	0	49	32	13.9	13.2	19.5	9.11	Tr.
20	2.1	1.8	2.4	189	1.7	11.4	15	0	0	70	51	15.7	15.0	10.9	6.85	0.0
21	2.7	2.3	3.2	387	10.1	11.3	89	0	0	60	38	11.2	10.0	12.9	6.80	0.0
22	2.4	0.9	4.6	348	9.2	11.3	81	0	3	60	33	9.6	8.3	13.6	7.04	0.0
23	1.7	0.6	3.1	400	9.2	11.3	81	0	0	60	38	9.4	8.8	11.2	8.00	0.0
24	1.5	0.6	2.7	408	10.2	11.2	91	0	3	58	34	8.9	7.9	10.3	6.03	0.0
25	1.1	0.5	1.9	394	10.0	11.2	89	0	0	62	40	9.6	9.1	8.9	6.08	0.0
26	0.9	0.6	1.3	356	8.9	11.2	79	5	7	64	36	10.0	8.9	8.0	4.59	0.0
27	0.7	0.1	1.5	373	9.9	11.1	89	3	6	68	35	10.4	9.1	9.0	7.29	0.0
28	1.1	0.3	2.4	362	9.8	11.1	88	4	6	66	39	11.7	10.6	11.1	5.90	0.0
29	1.9	1.2	2.7	355	9.8	11.1	88	3	7	74	46	12.7	12.2	9.4	6.13	0.0
30	1.3	1.1	1.5	340	9.7	11.1	87	5	7	72	38	12.2	10.7	8.5	4.96	0.0
31	1.1	0.2	2.3	345	8.5	11.0	77	0	2	60	39	13.7	11.5	11.3	6.30	Tr.
Total	—	—	—	11875	284.4	355.5	2471	79	179	—	—	—	—	412.9	233.41	Tr.
Mean	2.1	1.6	2.9	383	9.2	11.5	80	2	6	67	38	14.1	12.6	13.3	7.53	—

Maximum amount of rainfall in one day	Tr.	mms.	on	19th-31st.
Lowest value of relative humidity	24	%	on	16th.
Highest value of vapour pressure	20.9	mms.	on	3 rd.
Lowest value of vapour pressure	7.8	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 — OCTOBER 1963

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 millemetrs
	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	2.3	3.1	474	8.3	11.9	70	9	12	85	40	17.8	16.1	11.7	8.40	0.0
2	2.5	2.1	3.2	345	5.0	11.9	42	8	10	76	47	18.3	17.3	9.1	5.33	Tr
3	2.6	1.8	3.9	475	8.6	11.8	73	8	11	84	30	16.4	12.2	14.5	9.77	0.0
4	3.1	2.1	4.6	517	10.6	11.8	90	5	11	75	37	15.2	12.7	16.6	10.60	0.0
5	2.7	2.0	3.6	514	11.0	11.8	93	5	10	75	31	14.6	11.1	13.8	9.01	0.0
6	2.8	2.0	3.8	497	10.9	11.8	92	7	11	77	31	15.3	11.8	14.9	9.04	0.0
7	2.9	2.1	4.1	456	8.1	11.7	69	10	13	88	35	17.1	13.7	12.8	8.21	0.0
8	3.6	2.3	5.2	474	10.2	11.7	87	10	13	88	50	19.3	17.8	12.6	8.41	0.0
9	3.5	2.3	5.0	470	9.8	11.7	84	9	13	84	42	17.5	15.3	12.7	8.45	0.0
10	2.9	1.9	4.2	447	8.9	11.6	77	8	11	76	41	16.1	14.7	13.3	8.54	0.0
11	2.7	1.6	4.1	503	10.7	11.6	92	8	12	80	33	15.0	12.2	13.7	8.61	0.0
12	2.9	1.6	4.7	399	6.2	11.6	53	8	12	84	47	16.6	16.4	11.6	7.92	0.0
13	3.6	2.4	5.1	439	9.7	11.6	84	9	12	84	40	16.5	14.1	13.9	8.88	0.0
14	2.7	1.8	4.0	423	7.9	11.5	69	8	11	78	44	15.9	14.1	10.7	7.09	0.0
15	2.7	1.7	4.1	443	9.1	11.5	79	7	11	76	43	16.0	15.0	13.8	8.65	0.0
16	4.2	3.5	5.5	440	9.9	11.5	86	5	11	74	34	15.8	13.2	17.7	11.65	0.0
17	3.6	3.7	3.1	390	7.0	11.4	61	4	10	83	28	17.7	13.3	11.3	7.94	0.0
18	4.0	3.4	4.9	303	3.2	11.4	28	8	11	82	51	19.4	17.9	12.5	8.53	0.0
19	3.7	3.0	4.7	355	6.2	11.4	54	0	7	70	43	16.9	15.5	16.8	8.47	Tr
20	3.1	2.3	4.1	310	2.8	11.3	25	3	8	76	55	16.2	15.8	10.7	8.64	0.0
21	2.9	1.9	4.2	405	9.5	11.3	84	0	4	64	43	11.8	11.0	12.2	8.60	1.9
22	4.3	2.9	6.2	437	9.6	11.3	85	1	6	68	47	10.7	10.5	16.3	9.53	0.0
23	3.8	2.9	5.0	389	6.2	11.2	55	0	0	63	52	10.1	10.5	13.4	8.25	0.0
24	3.4	2.8	4.1	488	10.1	11.2	90	0	0	62	29	8.7	6.9	13.3	7.85	0.0
25	2.7	2.1	3.6	452	8.8	11.2	79	0	2	66	39	10.0	8.9	10.4	7.63	0.0
26	2.4	1.7	3.6	461	10.5	11.1	95	0	1	62	31	9.4	8.1	12.3	6.94	0.0
27	1.7	1.3	2.2	453	10.1	11.1	91	0	2	69	34	10.9	9.1	9.0	4.89	0.0
28	1.8	1.3	2.5	397	9.9	11.1	89	5	10	73	38	12.0	9.9	9.0	5.41	0.0
29	2.3	1.5	3.6	402	9.2	11.0	84	7	12	81	44	13.2	11.7	8.7	6.28	0.0
30	1.8	1.6	2.2	408	10.2	11.0	93	7	8	74	45	12.9	12.0	7.8	5.80	Tr
31	2.8	1.9	4.0	370	7.5	11.0	68	2	6	68	41	11.9	11.3	13.9	7.85	Tr
Total	—	—	—	13336	265.7	353.0	—	161	271	—	—	—	—	391.0	251.67	1.9
Mean	3.0	2.2	4.1	430.2	8.6	11.5	75	5.2	8.7	76	40	14.7	12.9	12.6	8.12	—

Maximum amount of rainfall in one day	1.9	mms.	on	21st
Lowest value of relative humidity	28	%	on	17th
Highest value of vapour pressure	21.6	mms.	on	18th
Lowest value of vapour dressure	6.9	mms.	on	24th

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

GIZA OCTOBER 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	53.5	9.7	32.8	11.1	30.4	16.4
1	49.5	11.3	31.8	11.8	30.8	16.6
2	48.3	12.0	31.0	12.5	29.0	17.0
5	38.4	18.1	29.0	14.7	27.7	18.6
10	34.5	22.2	27.5	16.6	27.0	20.0
20	31.7	25.9	26.4	19.4	26.4	21.6
50	31.4	27.9	25.7	21.8	26.2	23.3
100	31.3	29.2	25.7	23.4	25.7	24.2
200	29.7	29.2	24.8	24.2	25.1	24.7
300	27.9	27.7	—	—	—	—

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

TAHRIR — OCTOBER 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	47.3	12.0	—	—	—	—
1	45.4	12.6	—	—	—	—
2	44.5	12.5	—	—	—	—
5	41.4	14.9	—	—	—	—
10	37.1	17.8	—	—	—	—
20	32.4	22.1	—	—	—	—
50	29.9	25.0	—	—	—	—
100	29.8	26.7	—	—	—	—
200	29.2	27.8	—	—	—	—
300	28.4	27.8	—	—	—	—
600	26.1	25.75	—	—	—	—

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 1963

10 Knots or more	21 Days	30 Knots or more	0 Days
15 ,, ,, ,,	8 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	0 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	0 ,,	The highest gust 28 knots on 18th	

Table C 4 – NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES REACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

TAHRIR — OCTOBER 1963

10 Knots or more	28 Days	30 Knots or more	0 Days
15 ,, ,, ,,	14 ,,	35 ,, ,, ,,	0 ,,
20 ,, ,, ,,	2 ,,	40 ,, ,, ,,	0 ,,
25 ,, ,, ,,	1 ,,	The highest gust 30 knots on 22nd	

PRINTED IN ARAB REPUBLIC OF EGYPT
BY THE GENERAL ORGANIZATION
FOR GOVT. PRINTING OFFICES. CAIRO

First Under-Secretary of State

ALY SULTAN ALY

Chairman of the Board of Directors

881-1971-150

THE ARAB REPUBLIC OF EGYPT

MONTHLY WEATHER REPORT

VOLUME 6 NUMBER 11

NOVEMBER, 1963

D.C. 551. 506.1 (62)

THE EGYPTIAN METEOROLOGICAL AUTHORITY
CAIRO

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 5,6

" A 2. Monthly Mean Values of the Dry Bulb, Wet Bulb Temperatures and the Relative Humidity at Fixed Hours 7,8

" A 3. Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity 9,10

" A 4. Maximum and Minimum Air Temperatures 11,12

" A 5. Rainfall and Snow Depth 13,14

" A 6. Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 15

" A 7. Soil Temperatures at Fixed Hours 16-19

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

" A 9. Number of Occurrences of Concurrent Surface Wind Speed and Direction Recorded within Specified Ranges. 22-24

" A10. Number of Occurrences of Concurrent Surface Wind speed and Direction Observed within Specified Ranges at the Synoptic Hours 25-49

Upper Air Data

TABLE B 1. Upper Air Climatological Data 50-52

" B 2. Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air 53,54

" B 3. Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces . 55-60

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 6, number 1 (January 1963).

GENERAL SUMMARY OF WEATHER CONDITIONS

NOVEMBER 1963

Generally mild with deficient rain. Widespread early morning mist over Lower Egypt and Cairo area districts.

THE MAIN FEATURES

— Rather normal oscillatory temperature.

— Generally high relative humidity over the northern and middle parts ; low relative humidity over the southern parts.

— Subnormal monthly rainfall particularly over the inland districts.

— Four secondary transits through East Mediterranean.

— Abnormal oscillatory barometric pressure field.

— Frequent early morning mist or fog over scattered localities in Lower Egypt and Cairo area districts.

GENERAL DESCRIPTION OF WEATHER

During this month, the weather was mild in general. Maximum temperature ranged between 22° & 30 °C in the northern and middle parts ; while in the southern parts, it ranged between 23° & 34°C.

Rain fell at the beginning of the 1st week and most of the 3rd week. Daily rain was light, confind to the Mediterranean and Lower Egypt districts and was associated with thunderstorms in some localities, though it was heavy in few localities.

The monthly rain was subnormal in general, though it exceeded its normal over few scattered localities.

Early morning mist was a predominant phenomena during this month over most localities of 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 (mm	
			Maximum (A)		Minimum (B)		(A + B) 2					
	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean	1018.1	+ 1.2	24.3	+ 0.1	15.2	+ 0.3	19.8	+ 0.2	70	— 2	17.7	— 5.7
Lower Egypt	1017.8	+ 1.0	25.3	— 0.4	13.4	+ 0.1	19.4	— 0.2	71	— 6	2.1	— 8.1
Cairo Area	1017.1	+ 0.8	25.6	0.0	13.9	+ 0.1	19.8	+ 0.1	64	— 1	0.0	— 3.1
Upper Egypt	1016.1	+ 0.6	28.0	— 0.4	13.4	+ 0.4	20.7	0.0	55	— 1	0.0	— 0.5
Western Desert	1017.4	+ 0.6	26.1	— 0.7	11.5	+ 1.1	18.8	— 0.3	51	— 1	3.2	+ 2.8
Red Sea	1014.5	+ 0.2	26.6	— 0.2	17.3	+ 0.9	22.0	+ 0.4	56	— 2	0.0	— 2.9

Note : The above monthly district means for atmospheric pressure and relative humidity are computed from the corresponding means for all stations that take daily 24 hourly observations in each district.

PRESSURE DISTRIBUTION

The pressure distribution over the surface map during this month can be summarized in :

— An anticyclonic ridge operating over SW Russia, Asia Minor and East Mediterranean.

— An anticyclonic ridge extending from the Azores towards N.W. Africa.

— Atlantic travelling depressions through Europe and Russia.

— Two shallow troughs of low pressure extending northwards from Sudan and Nigeria up to about latitude 25°N.

In the upper layers, two troughs : the first north of the Black Sea and the second over West Europe were extending to more than 200 mbs.

During this month ; transitory Atlantic depressions through Europe and Russia followed eastern tracks. Accordingly their secondaries originated either over North Italy or over West Mediterranean. They were shallow and their transits through East Mediterranean caused minor oscillations in the pressure field over Egypt.

Round the 5th, 12th & 19th three secondary depressions developed over North Italy while round the 26th a fourth secondary depression developed over West Mediterranean. These depressions were shallow and hardly traversed East Mediterranean round the 8th, 17th, 21st & 30th respectively. Also they were accompanied by upper troughs extending in the upper levels up to more than 500 mbs.

The subtropical jet stream was evident during the whole month over the tropospheric maps round 145 mbs, while the polar jet stream was only evident in association with the third travelling depression round the 20th at about 219 mbs and only north of latitude 32°N.

The highest wind speed recorded at Mersa Matruh, Helwan and Aswan were 136, 138 & 150 konts on 27th, 20th and 10th respectively.

SURFACE WIND

The prevailing winds during this month were mainly N/NW ly light to moderate in general, fresh to strong occasionally in scattered localities particularly the Mediterranean (Western parts) and the Red Sea districts. Calms were frequent during night and early morning intervals over some localities of the Mediterranean (West part), Cairo, Upper Egypt and Western Desert districts.

No gales were reported during this month

TEMPERATURE

Maximum temperature oscillated round its normal most of the month. Its values ranged between 22°C & 30°C in the northern and central districts, and between 23 & 34°C in the southern districts.

The absolute maximum temperature for the Republic was 34.5°C recorded at Kom Ombo on the 8th.

Minimum temperature oscillated also round normal and its values ranged generally between 9°C & 18°C. As an exception ; it rose to above 21°C for several days in some localities of the Mediterranean and Red Sea

districts, as well as it fell below 6°C for few days of the last week over some localities in the Western Desert district.

The absolute minimum temperature for the Republic was 3.3°C recorded at Dakhla on the 30th.

PRECIPITATION

During this month, rain was generally deficient and confined to the Mediterranean and Lower Egypt districts. It fell in the periods : (1st-3rd), (19th-25th) and the 30th.

The monthly rain was subnormal ;while the daily rain was heavy round the 20th & 24th over scattered localities in the Mediterranean coastal strip. On the 23rd, 16.0 mms of rain fell over Siwa. This is a record both for the daily and monthly rainfall at this station since the year 1922.

The maximum monthly rainfall was 38.1 mms. at Mex, while the maximum daily rainfall was 32.5 recorded also at Mex on the 1st.

MISCELLANEOUS WEATHER PHENOMENA

Hail fell at : El Kasr & Mersa Matruh on the 20th.

Thunderstorms occurred at : Sidi Barrani, El Kasr, Mersa Matruh & Ras El Hikma on the 20th ; Ras El Teen & Rosetta on the 24th ; Port Said & El Arish on the 21st ; and at Ghazza on the 1st, 2nd, 20th & 21st. ; Siwa on the 23rd.

Rain fell at : Sallum on the 20th, 23rd & 25th ; Sidi Barrani on the 1st, 20th, 24th & 25th ; El Kasr on the 1st, 20th, 21st, 24th & 30th ; Mersa Matruh on the 2nd, 3rd, 20th, 21st, 24th & 25th ; Ras El Hikma on the 20th, 24th & 25th ; Dabaa on the 1st, 20th & 30th ; Dekheila on the 1st, 2nd, 21st, 25th & 30th ; Ras El Teen on the 1st, 2nd, 21st, 24th & 25th ; Alexandria on the 1st, 2nd, 20th, 21st & (23rd—25th) ; Rosetta on the 24th, 25th ; Balteam on the (1st—3rd), 20th, 24th & 25th ; Damietta on the 2nd, 3rd, 20th, 21st & 24th; Port Said on the (1st—3rd) & 30th ; El Arish on the 2nd & 21st ; Ghazza on the (1st—3rd), 20th, 21st, 24th, 25th & 30th ;Mansoura on the 1st, 2nd & 30th ; Damanhour on the 1st ; Tanta on the 21st, 23rd & 24th ; Tahrir on the 2nd, 24th ; Shebin El Kom on the 20th ; Zagazig on the 30th ; Wadi El Natrun on the 24th and at Siwa on the 23rd.

Mist patches developed at : Dekheila on the 19th & 29th ; Alexandria on the 13th, 15th, 24th&28th ; Rosetta on the 23rd&28th; Balteam & Damietta on the 11th, 24th & 25th ; El Arish on the 8th, 14th, 18th, 19th, 24th & 27th ; Mansoura on the 11th, 12th, (17th—28th) & 30th ; Damanhour on the 13th, 15th, 17th, 19th, 20th, 23rd, 24th, 28th & 29th ; Tahrir on the 4th, 6th, 8th, 11th, 13th, 14th, (16th — 20th) & (26th — 28th) ; Zagazig on the (6th—9th), (11th—13th), (17th—19th), 21st, 24th & (26th—28th) ; Abu Sueir on the (2nd—22nd), (24th—30th); Banha on the 29th ; Zaher on the 5th, 7th, 11th, 12th, (17th — 20th), 22nd — 26th), 29th & 30th ; Inshas on the 5th, 8th, 17th, 18th, 21st, 22nd, 25th & 26th ; Fayed on the 5th, 6th, 8th, 9th, 14th, (18th—20th), 26th & 29th ; Kabrit on the 3rd, 5th, 7th & 19th ; Cairo on the 4th, 6th, 15th, 19th, 21st, 22nd, 25th, 26th & 28th ; Mostafa Helmi on the 2nd, 4th, 9th, 10th, (12th—14th), 16th, 19th, (22nd—24th), 26th, 28th & 30th ; Almaza on the 11th, 12th, 14th, 15th, (19th—22nd), 25th, 26th & 30th ;

Abbasiya on the 15th ; Imbaba on the 6th, 7th, (11th—20th), 23rd, 24th & (26th—29th); Giza on the 14th, 15th & 17th ; Beni Suef on the 7th, 8th, 14th, 18th, 20th, 21st & (25th—28th) ; Minya on the 13th, (15th—17th), 19, 20th, 22nd, (25th—27th) & 30th and at Asyout on the 9th, 14th, (16th—20th), 25th, 27th & 28th.

Fog patches developed at : Alexandria & Ghazza on the 19th ; Mansoura, Tahrir & Zagazig on the 29th ; Zaher on the 6th ; Inshas on the 6th, 7th & 29th ; Fayed on the 7th ; Kabrit on the 26th ; Cairo on the 6th & 7th ; Mostaha Helmi on the (5th—8th) 11th, 15th, 17th, 18th, 20th, 21st, 25th, 27th & 29th ; Almaza on the (6th—8th) ; Abbasiya on the 6th & 7th ; Giza on the 6th, 7th & 29th ; Minya on the 29th and at Bahariya on the 11th & 26th.

Local rising sand or dust was reported at : Sallum on the 29th ; El Kasr, Mersa Matruh & Ras El Hikma on the 29th & 30th ; Dabaa on the 1st, 2nd & 30th ; Rosetta on the 30th ; Abu Sueir on the 1st ; Zaher & Inshas on the 30th ; Fayed on the 1st ; Cairo on the 6th ; Mostafa Helmi & Bahariya on the 24th ; Tor on the 21st ; Hurghada on the 1st and at Quseir on the 4th, 11th, 17th & (26th—28th).

Sand or duststorms blew over : Mersa Matruh on the 20th and over Tahrir on the 24th.

Chairman (M. F. TAHA)

Cairo, August 1972

Board of Directors

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

NOVEMBER 1963

District	Station	Altitude of Hp (metres)	Mean Station Pressure (mb.) (corrected to Hp.) 0000 U.T. Mean	Dev. from normal	0600 U.T. mean	Dev. from normal	1200 U.T. Mean	Dev. from normal	1800 U.T. mean	Dev. from normal	Altitude of the barometer cistern (metres)	Mean Sea Level Pressure (mb) (corrected to M.S.L.) 0000 U.T. Mean	Dev. from normal	0600 U.T. mean	Dev. from normal	1200 U.T. Mean	Dev. from normal	1800 U.T. Mean	Dev. from normal
MEDITERRANEAN	Sallum	6.6	1018.0	+1.2	1018.3	+1.1	1017.5	+ 1.2	1018.3	+1.1	5.2	1018.5	+1.3	1018.8	+1.1	1018.0	+1.2	1018.8	+1.1
	Sidi Barrani	23.3	1015.0	+0.7	1015.7	+1.0	1014.6	+ 0.8	1015.1	+0.6	23.3	1017.6	+0.7	1018.3	+1.0	1017.2	+0.8	1017.7	+0.6
	El Kasr	5.5	1018.7	—	1018.9	—	1017.9	—	1018.7	—	5.5	1019.0	—	1019.5	—	1018.5	—	1019.3	—
	Mrsa Matruh (A)	30.0	1015.2	+1.5	1015.6	+1.5	1014.7	+ 1.6	1015.4	+1.5	30.0	1018.9	+1.5	1019.3	+1.5	1018.4	+1.6	1019.1	+1.5
	Ras El Hikma	45.8	1012.9	—	1013.6	—	1012.7	—	1013.3	—	45.8	1018.5	—	1019.0	—	1018.0	—	1018.8	—
	Dabaa	18.0	1015.5	—	1015.9	—	1015.1	—	1015.8	—	17.8	1017.5	—	1017.9	—	1017.1	—	1017.8	—
	Dekheila (A)	6.0	1017.6	—	1018.2	—	1017.1	—	1017.8	—	5.9	1018.3	—	1018.9	—	1017.8	—	1018.5	—
	Ras El Teen	8.4	1017,2	—	1017.6	—	1016.8	—	1017.4	—	8.4	1018.2	—	1018.6	—	1017.8	—	1018.4	—
	Alexandria (A)	7.0	1017.3	+1.3	1017.9	+1.3	1016.8	+ 1.3	1017.6	+1.2	6.8	1018.1	+1.3	1018.7	+1.3	1017.6	+1.3	1018.4	+1.2
	Rosetta	3.4	1017.2	—	1018.2	—	1017.2	—	1017.8	—	3.4	1017.6	—	1018.6	—	1017.6	—	1018.2	—
	Balteam	2.2	1017.5	—	1018.0	—	1016.9	—	1017.6	—	2.2	1017.7	—	1018.2	—	1017.1	—	1017.8	—
	Damietta	3.8	1017.2	—	1018.3	+2.4	1017,0	+ 1.6	1017.8	+1.4	3.8	1017.9	—	1018.7	+2.4	1017.4	+1.6	1018.2	+1.4
	port Said (A)	6.1	1016.5	+1.0	1017.3	+1.2	1016.1	+ 1.2	1016.8	+1,0	6.1	1017.2	+1.0	1018.0	+1.2	1016.8	+1.2	1017.5	+1.0
	El Arish	17.1	1015.6	+1,0	1016.5	+1.3	1014.8	+ 0.8	1015.8	+1.1	17.1	1017.5	+1.0	1018.4	+1.3	1016.7	+0.8	1017.7	+1.1
	Ghazza	15.7	1015.0	—	1016.1	—	1014.4	—	1015.3	—	15.7	1016.9	—	1018.0	—	1016.2	—	1017.1	—
LOWER EGYPT	Mansoura	4.0	1017.7	—	1018.3	+1.6	1016.8	+ 1.4	1017.8	+1.4	3.6	1018.1	—	1018.7	+1.6	1017.2	+1.4	1018.2	+1.8
	Damanhour	4.3	1018.0	—	1018.5	+1.4	1017.0	+ 1.1	1018.2	+1.5	4.3	1018.4	—	1019.0	+1.4	1017.5	+1.1	1018.7	+1.5
	Tanta	8.9	1015.7	—	1016,3	+0.3	1014.9	+ 0.6	1016.1	+0.7	8.9	1016.9	—	1017.5	+0.3	1016.1	+0.6	1017.3	+0.7
	Tahrir	14.8	1015.6	—	1016.2	—	1014.5	—	1015.8	—	15.4	1017.8	—	1018.4	—	1016.7	—	1018.0	—
	Shebin El Kom	17.8	1015.8	—	1016.5	+0.3	1014.8	+ 0.2	1015.9	+0.3	18.6	1017.3	—	1018.0	+0.3	1016.3	+0.2	1017.4	+0.3
	Zagazig	13.1	1016.6	—	1017.3	+1.4	1015.4	+ 1,2	1017.0	+1.8	13.8	1017.8	—	1018.5	+1.4	1016.6	+1.2	1018.2	+1.8
	Abu Sueir (A)	13.0	1015.9	—	1016.8	—	1014.8	—	1016.3	—	13.0	1017.8	—	1018.7	—	1016.6	—	1018.2	—
	Banha	30.0	1015.5	—	1015.8	—	1014.2	—	1015.7	—	14.9	1017.3	—	1017.6	—	1016.0	—	1017.5	—
	Zahor (A)	23.5	1013.1	—	1013.8	—	1012.1	—	1013.2	—	23.5	1016.8	—	1017.5	—	1015.6	—	1016.8	—
	Wadi El Natrun	0.9	1018.6	—	1019.4	+1.5	1017.7	+ 1.5	1018.8	+1.7	0.9	1018.7	—	1019.5	+1.5	1017.8	+1.5	1018.5	+1.7
	Inshas (A)	25.5	1013.2	—	1014.1	—	1012.1	—	1013.4	—	25.6	1016.3	—	1017.2	—	1015.1	—	1016.5	—
	Fayed (A)	22.5	1015.5	—	1016.5	—	1014,3	—	1015.9	—	22.5	1018.1	—	1019.0	—	1016.8	—	1018.4	—
	Kabrit (A)	7.6	1016,2	—	1017.1	—	1014.9	—	1016.0	—	7.6	1017.6	—	1018.5	—	1016.2	—	1017.4	—

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

NOVEMBER 1963

District	Station	Altitude of Hp (metres)	Mean 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
Cairo Area	Cairo (A)	74.5	1009.9	+ 0.9	1010.7	+ 0.7	1008.6	+ 0.2	1010.0	+ 0.5	74.0	1017.6	+ 0.8	1018.4	+ 0.7	1016.2	+ 0.2	1017.6	+ 0.4
	Mostafa Helmi (A)	164.0	998.8	—	999.3	—	997.9	—	998.9	—	164.0	1018.3	—	1018.8	—	1016.5	—	1018.2	—
	Almaza (A)	78.5	1007.9	+ 0.8	1008.7	+ 0.9	1006.7	+ 0.6	1008.1	+ 0.8	78.6	1017.3	+ 0.9	1018.1	+ 0.9	1015.8	+ 0.6	1017.3	+ 0.7
	Abbasiya (H.Q.)	26.4	1014.7	—	1015.6	—	1013.6	—	1014.9	—	26.4	1018.4	—	1019.3	—	1017.2	—	1018.5	—
	Imbaba (A)	19.0	1015.3	—	1016.0	—	1013.9	—	1015.2	—	19.0	1017.4	—	1018.1	—	1016.1	—	1017.2	—
	Giza	22.5	1014.9	—	1015.7	+ 0.3	1013.8	+ 0.3	1014.8	+ 0.1	22.5	1017.3	—	1018.4	+ 0.2	1016.5	+ 0.3	1017.5	0.0
	Helwan	140.7	1000.7	—	1001.6	+ 1.5	999.8	+ 1.6	1000.9	+ 1.5	140.7	1017.8	—	1018.2	+ 1.5	1016.4	+ 1.6	1017.8	+ 1.5
Upper Egypt	Fayoum	23.3	1014.6	—	1015.6	+ 1.7	1013.3	+ 1.6	1014.6	+ 1.9	23.3	1017.7	—	1018.6	+ 1.7	1016.2	+ 1.7	1017.5	+ 1.8
	Beni Suef	30.4	1013.5	—	1014.4	+ 0.1	1012.3	+ 0.3	1013.2	+ 0.1	30.0	1017.0	—	1018.0	+ 0.2	1015.8	+ 0.4	1016.7	+ 0.2
	Minya (A)	40.5	1012.4	+ 0.6	1013.2	+ 0.5	1011.4	+ 0.5	1012.2	+ 0.6	40.3	1017.3	+ 0.6	1018.2	+ 0.6	1016.2	+ 0.5	1017.1	+ 0.6
	Asyout Mangabad (A)	69.6	1008.1	+ 0.2	1008.7	— 0.0	1007.1	+ 0.1	1008.1	+ 0.2	69.5	1016.4	+ 0.2	1017.7	+ 0.2	1015.2	+ 0.4	1016.3	+ 0.3
	Nag Hammadi	70.6	1007.2	—	1009.0	+ 1.0	1006.5	+ 1.0	1007.6	+ 1.3	70.5	1015.5	—	1017.4	+ 1.0	1014.5	+ 0.9	1015.9	+ 1.3
	Kena	74.5	1005.6	—	1008.1	+ 0.7	1005.5	+ 1.1	1006.3	+ 0.8	74.2	1014.3	—	1016.8	+ 0.8	1014.0	+ 1.2	1014.9	+ 0.8
	Luxor (A)	88.5	1004.0	— 0.7	1005.8	— 0.4	1003.2	— 0.5	1004.1	— 0.6	88.4	1014.4	— 0.7	1016.1	— 0.4	1013.2	— 0.5	1014.3	— 0.6
	Kom Ombo	102.6	1001.6	—	1003.5	—	1000.5	—	1001.6	—	102.6	1013.7	—	1015.6	—	1012.1	—	1013.2	—
	Aswan (A)	199.9	990.7	—	992.5	— 0.1	989.8	— 0.1	990.9	+ 0.2	200.0	1014.3	—	1016.0	— 0.1	1012.5	— 0.1	1014.1	+ 0.2
Western Desert	Siwa	—13.5	1020.5	+ 1.3	1021.5	+ 1.0	1020.0	+ 0.8	1020.5	+ 1.1	—13.3	1018.8	+ 1.3	1019.8	+ 1.0	1018.3	+ 0.8	1018.8	+ 1.1
	Bahariya	129.5	1002.5	+ 1.7	1003.5	+ 1.0	1001.6	+ 1.0	1002.1	+ 0.8	129.6	1018.2	+ 1.7	1019.2	+ 1.0	1016.6	+ 1.0	1017.6	+ 0.8
	Farafra	91.8	1008.5	+ 1.1	1009.3	+ 0.8	1007.3	+ 0.8	1008.2	+ 1.5	92.1	1019.7	+ 1.1	1020.5	+ 0.9	1018.1	+ 0.8	1019.2	+ 1.5
	Dakhla	111.5	1001.9	—	1003.4	— 0.2	1001.3	— 0.1	1002.0	— 0.6	111.5	1015.2	—	1016.7	— 0.1	1014.1	— 0.1	1015.1	— 0.5
	Kharga	72.8	1007.1	—	1008.8	+ 0.6	1005.4	+ 0.4	1007.4	+ 0.7	73.0	1015.6	—	1017.2	+ 0.6	1014.4	+ 0.2	1015.8	+ 0.7
Red Sea	Suez	11.0	1015.4	—	1016.8	+ 1.3	1014.9	+ 0.1	1016.1	+ 1.7	12.2	1016.6	—	1018.1	+ 1.4	1016.1	+ 0.1	1017.3	+ 1.7
	Abu Redes	4.0	1017.1	—	1015.4	—	1014.0	—	1014.6	—	4.0	1014.5	—	1015.8	—	1014.4	—	1015.0	—
	Tor	4.2	1014.1	—	1015.4	+ 0.4	1013.6	+ 0.2	1014.1	+ 0.2	4.2	1014.3	—	1015.8	+ 0.4	1014.0	+ 0.2	1014.5	+ 0.2
	Hurghada	2.8	1014.2	— 0.1	1015.8	+ 0.7	1013.5	+ 0.5	1014.5	+ 0.5	2.8	1014.4	— 0.1	1016.0	+ 0.7	1013.7	+ 0.5	1014.7	+ 0.5
	Quseir	11.3	1012.8	—	1014.3	+ 0.5	1012.8	+ 0.2	1013.2	+ 0.2	11.3	1013.8	—	1015.3	+ 0.5	1013.8	+ 0.2	1014.2	+ 0.2
	Abul Kizan	5.0	1012.4	—	1013.9	—	1012.3	—	1013.1	—	5.0	1012.9	—	1014.4	—	1012.9	—	1013.6	—

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

NOVEMBER 1963

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	16.7	−1.0	16.7	− 0.9	23.3	0.0	19.4	− 0.3	14.0	− 0.4	14.1	+ 0.8	16.9	+ 0.2	15.5	− 0.2	72	+ 5	73	+ 6	49	+ 1	64	0
	Sidi Barrani	15.6	−0.6	15.5	− 0.8	22.2	− 0.5	18.9	0.0	12.8	− 0.8	12.9	− 1.0	16.9	− 0.1	15.2	− 0.3	70	− 1	72	− 3	56	0	65	− 4
	El Kasr	15.3	—	17.4	—	22.2	—	18.1	—	13.2	—	14.7	—	17.0	—	15.2	—	78	—	73	—	56	—	72	—
	Mersa Matruh (A)	15.2	−0.5	16.3	− 0.3	22.0	− 0.4	17.8	+ 0.1	13.2	− 0.1	14.2	+ 0.1	16.7	+ 0.2	14.9	+ 0.1	79	+ 3	78	+ 5	55	+ 3	71	0
	Ras El Hikma	17.9	—	18.9	—	22.1	—	19.2	—	15.0	—	15.6	—	17.0	—	15.7	—	72	—	69	—	57	—	67	—
	Dabaa	15.3	—	15.8	− 1.1	22.4	+ 0.1	17.7	− 0.3	12.9	—	13.1	− 1.0	16.8	− 0.2	14.7	− 0.6	74	—	72	0	54	− 2	70	− 4
	Dekheila (A)	18.0	—	18.3	—	23.2	—	19.9	—	15.0	—	15.6	—	17.5	—	16.0	—	75	—	74	—	54	—	65	—
	Ras El Teen	20.3	—	20.2	—	21.8	—	21.0	—	16.7	—	16.8	—	17.3	—	16.8	—	67	—	69	—	62	—	64	—
	Alexandria (A)	16.4	+0.3	19.2	+ 0.6	23.1	− 0.4	18.7	+ 0.2	14.6	− 0.3	16.4	+ 0.3	17.6	− 0.1	15.8	0.0	81	0	74	− 2	56	+ 1	72	− 3
	Rosetta	16.8	—	18.4	—	22.6	—	18.3	—	14.4	—	15.8	—	17.1	—	15.6	—	76	—	75	—	55	—	74	—
	Balteam	19.6	—	20.4	—	23.6	—	20.6	—	16.3	—	16.8	—	18.4	—	16.9	—	70	—	67	—	58	—	67	—
	Damietta	16.9	—	18.5	− 0.5	23.7	+ 1.2	18.6	− 0.6	15.6	—	16.7	0.0	19.0	+ 1.2	16.6	− 0.2	87	—	82	+ 4	62	+ 1	81	+ 4
	Port Said (A)	20.3	+0.8	20.5	+ 0.3	22.9	+ 0.1	20.8	+ 0.2	17.4	+ 0.3	17.6	+ 0.3	18.5	+ 0.3	17.6	0.0	74	− 4	74	− 0	64	+ 2	72	− 1
	El Arish	16.9	+1.3	18.8	+ 0.2	24.0	+ 0.6	20.3	+ 0.3	15.6	+ 1.9	16.4	+ 0.6	19.2	+ 0.5	17.7	+ 0.5	87	+ 7	77	+ 4	61	− 1	76	+ 2
	Ghazza	16.3	—	17.6	—	22.9	—	20.2	—	14.8	—	15.2	—	18.9	—	17.8	—	84	—	76	—	66	—	78	—
Lower Egypt	El Sirw	16.0	—	19.3	− 0.7	23.1	− 0.2	18.4	− 0.4	—	—	17.1	+ 0.3	18.5	− 0.8	16.8	+ 0.3	—	—	79	0	62	− 5	84	+ 6
	Sakha	14.1	—	18.5	− 0.9	23.9	− 0.9	16.9	+ 0.1	13.1	—	16.2	+ 0.1	18.6	− 0.6	15.3	− 0.1	90	—	78	+ 3	58	+ 2	84	− 2
	Mansoura	14.1	—	17.5	− 0.5	24.1	− 0.9	17.3	− 1.4	13.1	—	15.6	− 0.3	18.0	− 0.4	15.2	− 1.0	90	—	81	+ 2	52	+ 2	79	+ 3
	Damanhour	15.6	—	15.9	− 1.2	23.6	− 0.7	17.6	− 0.5	14.3	—	14.3	− 0.9	18.0	− 0.3	15.4	− 0.4	86	—	83	0	55	+ 2	78	+ 1
	Tanta	14.6	—	16.6	− 0.9	24.8	+ 0.1	17.8	+ 0.1	13.5	—	14.8	− 1.1	19.0	+ 0.3	15.8	0.0	88	—	81	− 3	55	+ 4	80	− 1
	Tahrir	14.7	—	16.8	—	24.4	—	18.1	—	13.7	—	14.9	—	16.9	—	15.7	—	89	—	80	—	43	—	76	—
	Shebin El Kom	14.7	—	16.0	− 0.4	25.9	+ 0.8	18.3	+ 0.2	13.6	—	14.4	− 0.4	19.3	+ 1.4	16.1	+ 0.9	88	—	83	+ 4	51	+ 3	79	+ 7
	Zagazig	14.3	—	16.1	− 1.8	24.4	− 0.6	17.3	− 1.0	13.1	—	14.6	+ 1.4	18.0	− 0.8	15.3	− 0.9	87	—	77	− 4	50	− 3	80	0
	Abu Sueir (A)	15.2	—	17.0	—	25.0	—	19.1	—	14.0	—	15.1	—	17.5	—	16.1	—	87	—	81	—	44	—	72	—
	Banha	15.8	—	16.1	—	23.6	—	18.7	—	14.2	—	14.2	—	17.6	—	15.8	—	83	—	80	—	52	—	72	—
	Zaher (A)	14.8	—	16.4	—	24.9	—	18.9	—	13.9	—	14.7	—	18.0	—	16.3	—	90	—	82	—	48	—	75	—
	Wadi El Natrun	14.8	—	16.0	− 0.8	25.3	+ 0.3	18.8	− 1.0	13.7	—	14.1	− 0.3	17.2	+ 0.1	15.6	− 0.2	88	—	80	+ 4	40	− 1	70	+ 7
	Inshas (A)	14.9	—	16.0	—	24.6	—	18.7	—	13.5	—	14.2	—	17.6	—	15.8	—	85	—	81	—	47	—	72	—
	Fayed (A)	15.5	—	17.9	—	25.2	—	19.1	—	14.0	—	15.5	—	17.9	—	16.1	—	84	—	76	—	46	—	72	—
	Kabrit (A)	16.7	—	16.9	—	25.2	—	19.7	—	15.0	—	15.3	—	18.4	—	16.4	—	82	—	84	—	49	—	70	—
Cairo Area	Cairo (A)	16.2	+0.1	16.7	− 0.5	24.6	+ 0.3	19.8	+ 0.7	14.4	+ 0.6	14.6	+ 0.1	17.1	+ 0.4	16.0	+ 0.8	81	+ 5	78	+ 6	44	+ 2	65	+ 2
	Mostafa Helmi (A)	14.5	—	15.2	—	23.1	—	17.9	—	13.5	—	13.8	—	16.6	—	15.1	—	90	—	85	—	48	—	73	—
	Almaza (A)	15.7	−0.7	16.2	− 1.5	24.7	− 0.3	19.6	− 0.2	14.0	0.0	14.2	− 0.6	17.6	+ 0.5	15.9	+ 0.3	82	+ 7	79	+ 7	47	+ 5	66	+ 4
	Abbasiya (H.Q.)	15.7	—	17.5	—	25.1	—	19.7	—	14.5	—	15.1	—	18.1	—	16.5	—	87	—	76	—	48	—	70	—
	Imbaba (A)	14.5	—	16.5	—	24.8	—	17.9	—	13.2	—	14.8	—	18.0	—	15.5	—	86	—	82	—	48	—	76	—
	Giza	14.8	—	16.3	− 0.1	24.4	− 0.9	19.4	+ 0.8	13.8	—	14.8	− 0.2	17.2	− 0.6	16.0	+ 0.2	89	—	84	− 1	46	+ 1	68	− 5
	Helwan	16.7	—	17.6	+ 0.1	24.5	− 0.2	19.7	− 0.5	14.6	—	15.0	+ 0.5	16.6	+ 0.2	15.5	+ 0.4	78	—	74	+ 4	40	+ 2	61	+ 6

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

NOVEMBER 1963

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	15.6	—	16.8	— 0.7	25.8	0.0	19.1	+ 0.1	14.0	—	14.7	0.0	18.0	+ 0.8	15.3	+ 0.1	83	—	78	+ 5	43	+ 4	64	0
	Beni Suef	15.0	—	13.9	— 2.0	25.6	— 0.8	19.1	+ 0.7	13.8	—	13.6	0.0	18.2	+ 0.6	15.3	+ 0.6	81	—	86	+19	46	+ 8	64	0
	Minya (A)	14.6	+ 1.0	15.8	0.0	25.7	— 0.3	17.8	+ 0.5	13.1	+ 1.7	14.4	+1.2	17.9	+ 0.9	14.8	+ 1.4	84	+ 9	85	+12	43	+ 7	69	+ 7
	Mallawi	13.6	—	14.7	—	25.0	—	16.5	—	—	—	13.9	—	17.4	—	14.9	—	—	—	91	—	43	—	83	—
	Asyout Mangabad (A)	15.6	— 0.3	15.7	— 0.8	25.6	— 0.1	19.8	+ 0.1	12.7	+ 1.2	13.5	+1.3	17.1	+ 1.3	14.8	+ 1.2	67	+16	77	+18	39	+ 9	55	+ 8
	Shandaweel	17.1	—	17.4	— 1.1	27.1	— 0.1	18.9	+ 0.7	14.0	—	15.1	—0.2	19.5	— 0.3	16.2	+ 0.6	69	—	77	+ 7	45	— 1	75	0
	Nag Hammadi	18.7	—	18.2	+ 0.5	27.6	— 0.1	19.7	+ 0.3	—	—	15.6	+0.6	20.3	+ 1.0	16.0	+ 0.2	—	—	75	+10	49	+ 7	66	— 1
	Kena	17.8	—	18.8	+ 0.3	28.8	+ 0.6	21.5	+ 0.8	—	—	15.0	+0.5	19.2	+ 0.1	15.9	+ 0.2	—	—	64	+ 2	36	— 3	53	— 3
	Luxor (A)	16.4	+ 0.4	19.2	— 0.7	29.3	+ 0.3	20.7	+ 0.1	12.4	+ 0.8	14.4	+0.5	18.5	+ 0.6	15.0	+ 0.3	60	+ 3	56	+ 1	30	— 5	51	— 1
	Kom Ombo	17.4	—	20.0	—	30.9	—	22.4	—	12.2	—	14.1	—	18.6	—	15.9	—	51	—	48	—	26	—	47	—
	Aswan (A)	17.7	—	19.1	— 1.4	29.0	— 1.1	23.2	— 1.8	11.4	—	12.5	—2.1	16.5	— 1.8	13.0	— 3.0	41	—	42	— 7	21	— 6	24	—10
Desert	Siwa	13.3	— 0.4	14.1	— 0.6	24.3	— 0.5	18.0	— 0.1	10.6	+ 0.4	11.6	+1.0	16.5	+ 0.8	13.5	+ 1.0	70	+ 9	73	+ 6	41	+ 8	57	+ 9
	Bahariya	15.1	— 0.1	14.7	— 1.8	25.0	— 0.3	19.0	+ 0.2	12.3	—	12.3	—1.5	16.6	— 0.8	13.8	— 0.3	70	—	74	+ 5	38	— 4	52	— 4
	Farafra	14.1	—	14.0	— 0.9	24.2	— 1.4	18.0	— 0.3	10.8	—	11.5	+0.2	15.4	— 1.4	12.1	— 0.9	66	—	73	+11	33	— 4	45	— 6
	Dakhla	14.2	—	15.4	— 0.4	25.2	+ 0.5	18.9	— 1.3	9.9	—	11.4	—0.4	15.7	— 1.0	12.8	— 0.9	54	—	59	0	28	— 8	45	+ 1
	Kharga	16.3	—	17.5	— 1.0	27.9	0.0	19.9	— 1.6	12.3	—	13.6	—0.4	17.8	— 0.6	14.2	— 0.7	59	—	62	+ 4	32	— 4	50	+ 5
Red Sea	Suez	19.3	—	18.3	— 0.3	25.3	0.0	20.4	— 0.1	—	—	16.3	+0.5	18.4	+ 0.3	16.7	+ 0.2	—	—	80	+ 7	48	+ 1	67	+ 3
	Abu Redes	21.0	—	22.2	—	25.8	—	23.0	—	17.0	—	17.2	—	20.9	—	18.2	—	65	—	58	—	63	—	60	—
	Tor	18.3	—	20.2	+ 0.5	25.3	— 0.1	22.5	+ 0.8	14.4	—	14.5	—0.7	20.2	— 0.1	17.5	+ 0.3	63	—	50	— 9	61	0	59	— 3
	Hurghada	18.3	— 1.5	21.2	+ 0.4	26.4	+ 1.0	21.5	+ 0.1	13.9	+ 1.6	15.8	+0.6	18.9	— 0.6	16.6	— 0.1	59	+ 3	54	+ 2	46	—13	58	— 2
	Quseir	21.4	—	23.8	+ 0.2	26.3	+ 0.2	23.2	— 0.3	15.5	—	17.1	—0.3	20.2	— 0.6	18.3	— 0.7	51	—	48	— 3	55	— 5	60	— 3
	Abul Kizan	26.1	—	27.3	+ 0.2	27.5	— 0.4	26.3	+ 0.4	22.4	—	23.1	—0.3	23.0	— 0.6	22.5	— 0.1	72	—	69	— 3	67	— 1	71	— 3

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

NOVEMBER 1963

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	Relative humidity %: Mean	Relative humidity %: Dev. from normal
Mediterranean	Sallum	a	1018.6	+ 1.3	1018.6	+ 1.4	24.6	0.0	14.7	0.0	19.4	a	19.3	+ 0.1	a	15.3	— 0.1	a	63	0
	Sidi Barrani	a	1015.1	+ 0.6	1017.7	+ 0.6	23.2	— 0.4	13.9	— 0.2	18.6	a	18.2	— 0.6	a	14.7	— 0.3	a	66	+ 1
	El Kasr	a	1018.[illegible]	—	1019.1	—	23.4	—	13.4	—	18.4	a	18.3	—	a	15.1	—	a	69	—
	Mersa Matrub (A)	a	1015.[illegible]	+ 1.5	1018.9	+ 1.5	23.4	0.0	13.5	+ 0.2	18.4	a	18.1	— 0.4	a	14.8	— 0.2	a	70	+ 4
	Ras El Hikma	a	1013.1	—	1018.6	—	23.0	—	16.6	—	19.8	a	19.5	—	a	15.8	—	a	65	—
	Dabaa	a	1015.6	—	1017.6	—	23.3	—	13.4	—	18.4	a	18.1	—	a	14.6	—	a	66	—
	Dekheila (A)	a	1017.7	—	1018.4	—	23.7	—	15.8	—	19.8	a	19.9	—	a	16.0	—	a	65	—
	Ras El Teen	a	1017.3	—	1018.3	—	22.4	—	19.1	—	20.8	a	20.8	—	a	16.9	—	a	66	—
	Alexandria (A)	a	1017.4	+ 1.0	1018.2	+ 1.0	24.5	+ 0.1	14.9	+ 0.1	19.7	a	19.1	— 0.3	a	16.0	— 0.1	a	71	+ 1
	Rosetta	a	1017.5	—	1018.0	—	23.3		15.3	—	19.3	a	19.0	—	a	15.7	—	—	69	—
	Balteam	a	1017.4	—	1017.6	—	24.5	—	18.2	—	21.4	a	21.1	—	a	17.0	—	—	65	—
	Damietta	a	1017.6	+ 1.5	1018.0	+ 1.5	24.9	+ 0.6	15.8	+ 0.4	20.4	a	19.4	+ 0.4	a	16.9	+ 0.2	a	76	— 2
	Port Said (A)	a	1016.7	+ 1.1	1017.4	+ 1.1	24.0	+ 0.2	18.9	+ 0.6	21.4	a	21.1	+ 0.2	a	17.8	+ 0.1	a	71	— 1
	El Arish	a	1015.8	+ 1.1	1017.7	+ 1.1	25.2	0.0	14.9	+ 0.7	20.0	a	19.9	+ 0.8	a	17.2	+ 0.4	a	75	+ 1
	Ghazza	a	1015.2	—	1017.0	—	23.8	—	14.7	—	19.2	a	19.4	—	a	16.8	—	a	75	—
Lower Egypt	El Sirw	a	—	—	—	—	24.6	+ 0.4	14.8	+ 0.5	19.7	c	19.2	+ 0.2	c	17.3	+ 0.8	e	82	+ 6
	Sakha	a	—	—	—	—	24.7	— 1.1	13.0	+ 0.3	18.8	c	18.4	+ 0.4	c	15.8	— 0.8	e	75	—11
	Mansoura	a	1017.0	+ 1.4	1018.0	+ 1.4	25.4	— 0.5	12.7	— 1.5	19.0	a	18.2	— 0.8	a	15.4	— 1.3	a	73	— 5
	Damanhour	a	1017.9	+ 1.4	1018.4	+ 1.4	24.3	— 1.3	14.2	+ 0.2	19.2	a	18.5	+ 0.1	a	15.7	— 0.7	a	73	— 7
	Tanta	a	1015.7	+ 0.4	1016.9	+ 0.4	25.8	0.0	13.4	+ 1.2	19.6	a	18.6	+ 0.6	a	15.8	— 0.4	a	73	— 9
	Tahrir	a	1015.5	—	1017.7	—	25.6	—	13.0	—	19.0	a	18.6	—	a	15.3	—	a	69	—
	Shebin El Kom	a	1015.7	+ 0.3	1017.2	+ 0.3	26.5	+ 0.1	13.6	+ 0.5	20.0	a	19.0	+ 0.8	a	16.0	+ 0.6	a	72	— 3
	Zagazig	a	1016.4	+ 1.3	1017.6	+ 1.3	25.0	— 1.3	13.1	+ 0.2	19.0	a	18.2	— 0.3	a	15.4	— 1.0	a	73	— 7
	Abu Sueir (A)	a	1015.9	—	1017.7	—	26.0	—	13.5	—	19.8	a	19.3	—	a	15.7	—	a	66	—
	Banha	a	1015.2	—	1017.0	—	23.6	—	14.5	—	19.0	a	18.8	—	a	15.6	—	a	70	—
	Zaher (A)	a	1013.0	—	1016.6	—	25.5	—	13.2	—	19.4	a	18.8	—	a	15.7	—	a	70	—
	Wadi El Natrun	a	1018.5	+ 1.4	1018.7	+ 1.4	26.0	+ 0.6	12.1	— 0.9	19.0	a	19.2	+ 0.6	a	15.2	— 1.2	a	63	— 7
	Inshas (A)	a	1013.2	—	1016.3	—	25.2	—	13.3	—	19.2	a	18.6	—	a	15.3	—	a	69	—
	Fayed (A)	a	1015.5	—	1018.0	—	25.8	—	14.0	—	19.9	a	19.4	—	a	15.8	—	a	66	—
	Kabrit (A)	a	1016.0	—	1017.4	—	25.7	—	14.8	—	20.2	a	19.7	—	a	16.4	—	a	70	—

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

NOVEMBER 1963

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	1009.8	+ 0.8	1017.4	+ 0.7		25.5	+ 0.4	14.2	+ 0.3	19.8	a	19.4	— 0.6	a	15.6	+ 0.6	a	64	+ 3
	Mostafa Helmi (A)	a	998.7	—	1018.0	—		23.5	—	12.9	—	18.2	a	17.8	—	a	15.2	—	a	74	—
	Almaza (A)	a	1007.8	+ 0.9	1017.1	+ 0.8		25.2	— 0.4	14.1	— 0.1	19.6	a	19.1	— 0.6	a	15.4	— 0.1	a	65	+ 4
	Abbasiya (H.Q.)	a	1014.7	—	1018.3	—		26.1	—	14.0	—	20.0	a	19.4	—	a	16.1	—	a	59	—
	Imbaba (A)	a	1015.1	—	1017.2	—		25.5	—	12.4	—	19.0	a	18.4	—	a	15.3	—	a	70	—
	Giza	a	1014.8	+ 0.3	1017.5	+ 0.3		25.5	— 0.4	12.7	+ 0.6	19.2	a	18.8	+ 0.7	a	15.4	— 0.6	a	68	—11
	Helwan	a	1000.7	+ 1.5	1017.6	+ 1.4		25.9	+ 0.5	14.6	- 0.3	20.2	a	19.6	— 0.1	a	15.4	0.0	a	61	0
Upper Egypt	Fayoum	a	1014.4	+ 1.7	1017.4	+ 1.7		26.2	— 0.6	13.9	+ 0.6	20.0	a	19.3	+ 0.4	a	15.5	0.0	a	63	— 5
	Beni Suef	a	1013.3	+ 0.2	1016.8	+ 0.2		26.2	— 0.7	12.6	+ 1.4	19.4	a	19.0	+ 0.6	a	15.4	+ 0.5	a	66	0
	Minya (A)	a	1012.3	+ 0.7	1017.2	+ 0.7		26.1	— 0.5	12.5	+ 1.0	19.3	a	18.6	— 0.1	a	15.0	+ 0.6	a	66	— 6
	Mallawi	—	—	—	—	—		27.3	—	11.2	—	19.2	c	17.4	—	c	16.1	—	e	87	—
	Asyout (Mangabad) (A)	a	1008.2	+ 0.2	1016.4	+ 0.2		26.3	— 0.3	13.2	+ 0.3	19.8	a	19.4	+ 0.1	a	14.5	+ 0.9	a	55	+ 6
	Shandaweel	c	—	—	—	—		28.6	— 0.2	14.3	+ 2.0	21.4	c	20.1	0.0	c	16.2	— 0.8	e	65	— 7
	Nag Hammadi	c	1007.6	+ 1.0	1015.8	+ 0.9		28.2	— 0.6	14.2	+ 2.0	21.2	c	20.5	+ 1.0	c	17.2	+ 1.4	e	70	+ 4
	Kena	c	*1006.4*	*+ 0.6*	*1015.0*	*+ 0.6*		30.4	+ 0.5	15.2	+ 1.4	22.8	c	21.7	+ 1.4	c	16.7	+ 1.0	e	58	— 1
	Luxor (A)	a	1004.3	+ 0.2	1014.5	+ 0.2		29.9	0.0	13.1	+ 0.7	21.5	a	21.3	+ 0.5	a	15.1	+ 0.2	a	48	— 4
	Kom Ombo	a	1001.7	—	1013.7	—		31.7	—	13.6	—	22.6	a	22.5	—	a	14.8	—	a	39	—
	Aswan (A)	a	990.1	+ 0.3	1014.2	+ 0.4		30.2	— 0.6	14.9	— 1.7	22.6	a	22.3	— 0.5	a	13.5	— 1.9	a	31	+10
Western Desert	Siwa	a	1020.6	+ 1.3	1018.9	+ 1.3		25.3	— 0.2	10.3	— 0.3	17.8	a	17.7	— 0.1	a	13.1	+ 0.5	a	56	+ 5
	Bahariya	a	1002.4	+ 0.6	1017.8	+ 0.6		25.5	— 0.6	11.9	+ 0.6	18.7	a	18.6	+ 0.4	a	13.8	+ 0.7	a	55	— 7
	Farafra	a	1008.3	+ 1.1	1019.4	+ 1.1		24.9	— 1.5	11.5	+ 1.6	18.2	a	17.8	+ 0.2	a	12.6	+ 0.6	a	51	+ 1
	Dakhla	a	1002.1	— 0.4	1015.2	— 0.5		26.6	— 1.1	11.2	— 0.9	18.9	a	18.8	— 0.2	a	12.5	— 0.6	a	42	— 5
	Kharga	a	*1007.4*	*+ 0.4*	*1015.7*	+ 0.3		28.4	0.0	12.7	— 0.4	20.6	a	20.3	+ 0.1	a	14.4	— 0.1	a	49	— 1
Red Sea	Suez	c	1015.8	+ 0.6	1017.0	+ 0.6		27.1	+ 0.6	14.8	— 0.3	21.0	c	20.8	+ 1.0	c	17.9	+ 1.5	e	74	+ 5
	Abu Redes	a	1014.6	—	1014.8	—		26.6	—	19.0	—	22.8	a	23.1	—	a	18.4	—	a	61	—
	Tor	a	1014.2	+ 0.1	1014.6	+ 0.1		26.4	— 0.1	15.4	+ 1.0	20.9	a	21.6	+ 1.2	a	16.7	+ 0.8	a	59	— 1
	Hurghada	a	1014.5	+ 0.3	1014.7	+ 0.3		26.8	+ 1.5	16.5	+ 0.9	21.6	a	21.7	+ 1.0	a	16.3	+ 0.6	a	54	— 2
	Quseir	a	1013.3	+ 0.2	1014.2	+ 0.1		26.7	— 0.7	20.2	+ 0.7	23.4	a	23.6	+ 0.4	a	17.8	— 0.2	a	54	— 4
	Abul Kizan	c	1012.9	—	1013.4	—		31.8	+ 2.6	26.1	+ 2.1	29.0	c	26.8	+ 0.6	c	22.8	0.0	e	69	— 4

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 1963

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	28.7	18	22.5	26	8	0	0	0	0	16.6	11	11.0	30	0	0	0	0
	Sidi Barrani	25.4	11	21.2	27	3	0	0	0	0	18.5	2	9.8	29	1	0	0	0
	El Kasr	26.6	18	21.2	27	3	0	0	0	0	19.2	6	7.7	29	1	0	0	0
	Mersa Matruh (A)	26.7	18	21.2	25	4	0	0	0	0	18.0	5	7.9	29	1	0	0	0
	Ras El Hikma	24.9	19	21.0	30	0	0	0	0	0	19.4	2-6	11.6	29	0	0	0	0
	Dabaa	25.3	1	21.8	29	1	0	0	0	0	18.4	5	8.9	29	3	0	0	0
	Dekheila (A)	25.1	5	22.2	26	1	0	0	0	0	19.9	11	9.6	29	1	0	0	0
	Ras El Teen	24.5	20	20-6	30	0	0	0	0	0	21.2	6	15.7	30	0	0	0	0
	Alexandria (A)	26.5	5-6	23.0	29	9	0	0	0	0	19.0	2	10.7	29	0	0	0	0
	Rosetta	25.2	22	20.1	24	1	0	0	0	0	20.0	6	12.0	29,30	0	0	0	0
	Balteam	26.2	5	21.9	24,30	10	0	0	0	0	21.8	5	16.1	28	0	0	0	0
	Damietta	26.9	6	22.3	23	16	0	0	0	0	19.6	5-6	11.8	30	0	0	0	0
	Port Said (A)	25.7	6	21.7	29	3	0	0	0	0	21.8	6	14.6	29	0	0	0	0
	El Arish	30.5	5	22.0	25-30	19	1	0	0	0	20.6	16	10.1	29	0	0	0	0
	Ghazza	27.5	5	20.5	30	6	0	0	0	0	16.4	1,20	11.2	27	0	0	0	0
Lower Egypt	EL Sirw	26.0	6-8	22.5	30	9	0	0	0	0	19.2	5	10.5	30	0	0	0	0
	Sakha	26.8	5	22.5	27	11	0	0	0	0	17.2	7	9.8	29-30	2	0	0	0
	Mansoura	27.4	6	22.3	30	22	0	0	0	0	15.4	17-9	7.8	29	3	0	0	0
	Damanhour	25.7	5	22.6	27	5	0	0	0	0	16.9	6	11.0	30	0	0	0	0
	Tanta	28.5	7	23.0	30	22	0	0	0	0	16.7	7	9.3	29	1	0	0	0
	Tahrir	27.9	6	23.2	27	22	0	0	0	0	16.7	7	8.4	29	2	0	0	0
	Shebin El Kom	29.3	5	23.7	30	28	0	0	0	0	16.6	7	10.0	30	0	0	0	0
	Zagazig	28.2	6	22.2	28	14	0	0	0	0	16.0	7,19	8.1	29	1	0	0	0
	Abu Sueir (A)	29.6	6	23.0	30	24	0	0	0	0	16.3	19	9.1	29	2	0	0	0
	Banha	27.3	6	21.7	27	10	0	0	0	0	17.0	7	10.6	29	0	0	0	0
	Zaher (A)	29.0	5-6	22.6	27,30	19	0	0	0	0	16.9	19	8.0	29	2	0	0	0
	Wadi EL Natrun	29.3	5	23.0	27	25	0	0	0	0	15.9	7	8.0	30	4	0	0	0
	Inshas (A)	28.7	5	23.0	27,28	14	0	0	0	0	16.8	19	8.6	29	2	0	0	0
	Fayed (A)	30.5	6	22.8	30	22	1	0	0	0	17.3	1	8.0	29	1	0	0	0
	Kabrit (A)	28.6	5	22.8	23,25	19	0	0	0	0	17.3	20	9.2	30	1	0	0	0
Cairo Area	Cairo A)	29.2	6	22.6	27	21	0	0	0	0	17.8	19	9.6	29	1	0	0	0
	Mostafa Helmi (A	26.2	6	21.0	27,28	4	0	0	0	0	15.6	23	8.6	29	2	0	0	0
	Almaza (A)	28.7	6	22.2	27	16	0	0	0	0	19.1	1	9.9	29	1	0	0	0
	Abbasiya (H Q)	28.8	5	23.4	27	24	0	0	0	0	17.4	19	10.0	29-30	0	0	0	0
	Imbaba A)	28.7	5	22.5	27	18	0	0	0	0	15.2	7	8.5	29	3	0	0	0
	Giza	28.5	5	21.8	27	20	0	0	0	0	16.4	7	8.1	30	2	0	0	0
	Helwan	29.7	5	22.3	30	21	0	0	0	0	17.5	8	8.7	30	1	0	0	0

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

NOVEMBER 1963

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	30.3	5	23.3	27-30	21	1	0	0	0	17.2	7	9.0	29	2	0	0	0
	Beni Suef	29.9	5	22.0	27	14	0	0	0	0	14.7	9,19,23	8.1	29	3	0	0	0
	Minya (A)	29.3	6	23.0	30	21	0	0	0	0	15.7	7	5.1	29	3	0	0	0
	Mallawi	30.0	6	22.5	30	16	0	0	0	0	14.0	7	5.5	30	5	0	0	0
	Asyout (Mangabad) (A)	29.3	6	21.8	30	21	0	0	0	0	16.0	1	9.8	25	2	0	0	0
	Shandaweel	31.6	8	23.6	30	28	5	0	0	0	18.0	2	8.5	29-30	3	0	0	0
	Nag Hammadi	31.3	8	24.2	28	29	3	0	0	0	17.2	1	9.4	30	2	0	0	0
	Kena	33.3	8	26.8	28	30	15	0	0	0	18.6	1	9.8	29	1	0	0	0
	Luxor (A)	32.5	8	26.6	21	30	13	0	0	0	16.5	1	7.0	29	3	0	0	0
	Kom Ombo	34.5	8	28.6	21	30	23	0	0	0	17.0	10	8.0	29	2	0	0	0
	Aswan (A)	34.3	8	26.4	25	30	16	0	0	0	18.0	9	10.6	29	0	0	0	0
Western Desert	Siwa	27.6	19	21.2	24	20	0	0	0	0	16.7	6	5.9	29	12	0	0	0
	Bahariya	29.3	5	22.6	30	20	0	0	0	0	16.0	6	5.3	30	6	0	0	0
	Farafra	28.1	1	21.8	28	11	0	0	0	0	14.4	23	4.6	30	6	1	0	0
	Dakhla	30.5	5	23.0	30	24	1	0	0	0	15.0	9-11	3.3	30	7	2	0	0
	Kharga	32.4	6	25.0	27	29	7	0	0	0	17.0	9	6.8	30	4	0	0	0
Red Sea	Suez	30.9	5	23.7	27	28	2	0	0	0	19.1	19	10.0	30	0	0	0	0
	Abu Redes	29.7	5	23.4	25	27	0	0	0	0	22.4	7-9	10.9	30	0	0	0	0
	Tor	28.2	6-7	24.0	25	24	0	0	0	0	19.1	1	10.8	28-29	0	0	0	0
	Hurghada	29.2	5	24.6	28	28	0	0	0	0	18.9	16	11.6	30	0	0	0	0
	Quseir	28.7	7	24.6	27	28	0	0	0	0	22.6	5	17.1	30	0	0	0	0
	Abul Kizan	34.0	14	28.1	3	30	26	0	0	0	27.0	18	15.3	17	0	0	0	0

TABLE A 5. — RAINFALL AND SNOW DEPTH

NOVEMBER 1963

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	9.6	−27.4	3.4	20,25	0	3	3	0	0	0	0	—	—
	Sidi Barrani	7.1	−16.4	3.7	24	0	4	2	0	0	0	0	—	—
	El Kasr	37.1	—	24.2	20	2	5	4	2	1	0	0	—	—
	Mersa Matruh (A)	35.6	+14.7	29.0	20	1	6	2	2	1	1	0	—	—
	Ras El Hikma	6.5	—	4.6	24	1	3	2	0	0	0	0	—	—
	Dabaa	12.1	—	8.9	30	1	3	2	1	0	0	0	—	—
	Dekheila (A)	7.3	—	2.8	20,24	0	5	3	0	0	0	0	—	—
	Ras El Teen	13.4	—	6.6	20	0	6	4	1	0	0	0	—	—
	Alexandria (A)	11.4	−21.0	5.4	20	3	6	4	1	0	0	0	—	—
	Rosetta	23.8	—	23.8	24	4	1	1	1	1	0	0	—	—
	Balteam	18.8	—	9.4	[illegible]	0	4	2	2	0	0	0	—	—
	Damietta	20.0	+3.2	12.1	21	0	5	3	2	1	0	0	—	—
	Port Said (A)	17.2	+7.9	9.0	1	1	4	3	2	0	0	0	—	—
	El Arish	13.8	+1.3	9.6	20	0	3	2	1	0	0	0	—	—
	Ghazza	67.9	—	26.5	20	0	6	6	4	3	1	0	—	—
	Fuka	8.0	−9.0	6.5	20	0	2	2	1	0	0	0	—	—
	Hammam	22.5	+0.5	14.0	24	0	4	4	1	1	0	0	—	—
	Borg El Arab	14.0	−18.9	12.0	26	0	2	2	1	1	0	0	—	—
	Mex	38.1	+7.6	32.5	1	0	3	3	1	1	1	0	—	—
	Tolombat El Tabia	5.0	−20.6	3.0	25	1	2	2	0	0	0	0	—	—
	Kom El Tarfaia	8.0	−9.5	4.0	1	0	3	3	0	0	0	0	—	—
	Rosetta L.H.	34.3	+11.5	22.1	25	0	2	2	2	2	0	0	—	—
	Borollos L.H.	27.1	−7.8	16.3		0	4	4	2	1	0	0	—	—
	Dameitta L.H.	11.1	−8.0	9.8	22	2	2	2	1	0	0	0	—	—
Lower Egypt	El Sirw	5.5	+0.5	4.0	1	0	2	2	0	0	0	0	—	—
	Sakha	3.8	−5.2	3.8	1	0	1	1	0	0	0	0	—	—
	Mansoura	2.7	2.8	1.4	30	1	2	2	0	0	0	0	—	—
	Damanhour	0.9	−5.8	0.9	1	1	1	0	0	0	0	0	—	—
	Tanta	0.7	−4.4	0.4	25	0	3	0	0	0	0	0	—	—
	Tahrir	0.2	—	0.1	1-24	0	2	0	0	0	0	0	—	—
	Shebin El Kom	0.1	−2.0	0.1	20	0	1	0	0	0	0	0	—	—
	Zagazig	0.4	−3.6	0.4	30	0	1	0	0	0	0	0	—	—
	Abu Sueir (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	—	—
	Banha	Tr.	—	Tr.	22	1	0	0	0	0	0	0	—	—
	Zaher (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	—	—
	Wadi El Natrun	1.2	17.6	1.2	24	0	1	1	0	0	0	0	—	—
	Inshas (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	—	—
	Fayed (A)	Tr.	—	Tr.	2	1	0	0	0	0	0	0	—	—
	Kabrit (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	—	—
	Tolombat El Boseili	1.5	−22.4	1.5	24	2	1	1	0	0	0	0	—	—
	Kafr El Dawar	5.0	−16.1	3.0	20	0	2	2	0	0	0	0	—	—
	Kafr El Sheikh	3.0	−5.1	3.0	1	0	1	1	0	0	0	0	—	—
	Kafr El Zayat	2.5	−6.4	2.5	25	2	1	1	0	0	0	0	—	—
	Faqus	Tr.	−8.4	Tr.	1	1	0	0	0	0	0	0	—	—
Cairo Area	Cairo (A)	0.0	−3.2	0.0	—	0	0	0	0	0	0	0	—	—
	Mostafa Helmi (A)	Tr.	—	Tr.	22	1	0	0	0	0	0	0	—	—
	Almaza (A)	0.0	−1.8	0.0	—	0	0	0	0	0	0	0	—	—
	Abbasiya (H.Q)	0.0	—	0.0	—	0	0	0	0	0	0	0	—	—
	Imbaba (A)	0.0	—	0.0	—	0	0	0	0	0	0	0	—	—
	Giza	Tr.	−3.2	Tr.	1,23,30	3	0	0	0	0	0	0	—	—
	Helwan	0.0	−4.0	0.0	—	0	0	0	0	0	0	0	—	—

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

NOVEMBER 1963

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	−1.0	0.0	–	0	0	0	0	0	0	0		
	Beni Suef	Tr	−0.2	Tr	23	1	0	0	0	0	0	0		
	Seds		–	—	–	—	—	0	0	0	0	0	—	—
	Minya (A)	0.0	−0.3	0.0	—	0	0	0	0	0	0	0		
	Mallawi	0.0	–	0.0	—	0	0	0	0	0	0	0		
	Asyout (Mangalad) (A)	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		—
	Nag Hammadi	0.0	−0.2	0.0	–	0	0	0	0	0	0	0		—
	Kena	0.0	−2.2	0.0	–	0	0	0	0	0	0	0	–	
	Luxor (A)	0.0	−0.1	0.0	–	0	0	0	0	0	0	0		—
	Kom Ombo	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	–	–
Western Desert	Siwa	1	+15.1	1.0	25	1	1	1	1	1	0	0		
	Bahariya	2	+0.9	Tr	22,23	2	0	0	0	0	0	0	–	—
	Farafra	Tr	+Tr	Tr.	24	1	0	0	0	0	0	0		—
	Dakhla	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		
Red Sea	Suez	0.0	+3	0.0	—	0	0	0	0	0	0	0		
	Attaqa	0.0	8	0.0		0	0	0	0	0	0	0		—
	Abu Rodes	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	–	–
	Hurghada	0.0	1	0.0	–	0	0	0	0	0	0	0		
	Quseir	0.0	2.0	0.0	—	0	0	0	0	0	0	0	–	–
	Abu Kizan	0.0	−5.9	0.0	–	0	0	0	0	0	0	0		

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

NOVEMBER 1963

District	Station	Duration of bright sunshine (hours)			Mean sky cover (oktas)								Mean daily evaporation Piche (millimetres)	Mean maximum temp. (°C) of		Mean grass minimum
		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 SEA	Sollum	—			1.7	—	3.0	—	3.4	—	1.7	—	6.4	—	—	14.2
	Sidi Barrani	—	—	—	—	—	3.6	—	3.2	—	3.0	—	4.9	—	—	—
	El Kasr	—	—	—	—	—	3.3	—	3.0	—	1.9	—	5.5	—	—	—
	Marsa Matruh (A)	257.4	317.2	81	1.5	—	3.1	—	4.3	—	1.8	—	6.0	—	—	—
	Ras El Hikma	—	—	—		—	3.5	—	3.4	—	2.2	—	[illegible]	—	—	15.6
	Dabaa			—		—	3.9	—	5.1	—	2.9	—	5.5	—	—	—
	Dekheila (A)	—			3.0	—	3.[illegible]	—	3.0	—	2.5	—	6.5	—	—	—
	Ras El Teen	—	—	—	3.2	—	4.3	—	4.4	—	3.4	—	6.3	—	—	—
	Alexandria	275.2	318.0	86	3.8	—	4.3	—	4.6	—	3.1	—	4.4	—	—	—
	Rosetta		—	—		—	3.[illegible]	—	3.3	—	1.0	—	3.9	—	—	—
	Baltim (A)	—	—	—		—	3.[illegible]	—	3.8	—	1.8	—	4.2	—	—	—
	Damietta	—	—	—		—	3.0	—	3.4	—	2.5	—	2.6	—	—	—
	Port Said (A)	266.[illegible]	318.0	84	1.5	—	3.6	—	2.3	—	2.0	—	6.5	43	26	17.7
	El Arish	2[illegible]5.2	317.2	84	3.6	—	3.3	—	[illegible]	—	2.8	—	3.5	—	—	13.5
	Gaza	26[illegible].6	317.2	84	2.[illegible]	—	[illegible]	—	2.7	—	1.8	—	3.4	—	—	14.0
LOWER EGYPT	El Sirw			—			[illegible].7	—	2.6	—	1.3	—	2.6	—	—	—
	Suez						2.0	—	[illegible].4	—	1.6	—	3.7	—	—	—
	Ismailia	—					[illegible]	—	3.8	—	—	—	4.3	—	—	—
	Damanhour			—			[illegible]		3.7	—	0.[illegible]	—	3.0	—	—	13.0
	Tanta	26[illegible].3	318.8	83			[illegible].3	—	2.[illegible]	—	0.3	—	3.4	58	3[illegible]	—
	Tahar	259.9	319.2	81	0.9		[illegible]		3.[illegible]	—	0.5	—	5.3	—	—	11.2
	Shebin El Kom						[illegible]		2.1	—	0.8	—	2.3	—	—	—
	Zagazig	2[illegible]3.2	3[illegible]8.8	8[illegible]			[illegible].7		3.2	—	0.3	—	3.[illegible]	—	—	—
CAIRO AREA	Abu Sueir (A)	—		—	1.0		3.3		4.[illegible]		1.2	—	[illegible]	64	30	10.8
	Benha				[illegible]		[illegible].0	—	3		0.6	—	3.[illegible]	—	—	—
	Kalyoub (A)				[illegible]		[illegible]		4.[illegible]		[illegible].7	—	[illegible].8	—	—	—
	Wadi El Natrun						2.6		2.9	—	1.0	—	7.[illegible]	—	—	—
	Cairo (A)				0.4	—	[illegible]	—	2.8	—	0.7	—	4.3	—	—	—
	Helwan (A)				—		2.4	—	3.2	—	0.6	—	6.9	—	—	—
	Heliopolis (A)					—	2.4	—	2.[illegible]	—	0.8	—	6.1	—	—	—
	Cairo (A)			—	1.3	—	2.[illegible]	—	3.3	—	2.0	—	7.9	—	—	—
	Mostafa Helmi (A)		—		0.[illegible]		[illegible]		3.[illegible]		0.9	—	[illegible]	—	—	—
	Abbaza (A)	2[illegible].3	319.8	85.8	[illegible].9	—	3.[illegible]	—	3.1	—	1.4	—	5.[illegible]	—	—	—
	Abbasiya (H.Q.)	270.1	319.8	84	0.[illegible]		2.[illegible]		[illegible]		1.[illegible]		4.4	64	39	—
	Dobaba (A)						[illegible].7	—	3.4	—	1.2	—	4.3	—	—	—
	Giza	2[illegible]6.0	3[illegible].0	83	0.[illegible]		2.4	—	[illegible].6		0.8	—	5.3	—	—	7.8
	Helwan				0.6		1.8	—	2.2	—	1.1	—	10.6	—	—	—
UPPER EGYPT	Fayoum					—	0.7	—	1.[illegible]	—	0.3	—	4.8	—	—	11.5
	Beni Suef						1.0	—	0.[illegible]	—	0.3		3.[illegible]	—	—	11.1
	Minya (A)				0.[illegible]		1.[illegible]		[illegible].2		0.7		3.[illegible]	—	39	10.9
	Mallawi			—		—	1.2		[illegible].8		0.1	—	1.8	—	—	9.7
	Asyout (Mangabad) (A)				0.2	—	0.5	—	1.0	—	0.[illegible]	—	7.7	—	3[illegible]	12.3
	Shandaweel	272.1	318.0	86			0.4	—	0.2	—	0.3	—	2.8	—	—	—
	Nag Hammadi			—			0.1	—	0.2	—	0.1	—	3.1	—	—	13.7
	Kena		—	—		—	0.5		0.[illegible]	—	0.3	—	5.0	—	—	13.7
	Luxor (A)	—	—	—	0.2	—	0.7	—	0.7	—	0.7	—	5.9	60	40	—
	Kom Ombo	—	—	—	—	—	0.6	—	0.9	—	0.5	—	8.5	—	—	10.3
	Aswan (A)	—	—	—	0.1	—	0.8	—	1.2	—	0.6	—	15.0	—	—	—
WESTERN DESERT	Siwa	—	—	—	1.3	—	1.7	—	2.1	—	1.0	—	5.2	57	—	9.1
	Bahariya		—	—	0.4	—	1.7	—	1.6	—	0.3	—	4.4	47	29	10.5
	Farafra	—	—	—	0.2	—	1.2	—	2.1	—	0.6	—	8.2	44	30	11.0
	Dakhla	—	—	—	0.2	—	0.9	—	1.0	—	0.6	—	9.5	51	34	5.7
	Kharga	—	—	—	0.0	—	0.4	—	0.9	—	0.4	—	6.8	—	—	—
RED SEA	Suez	—	—	—	—	—	1.8	—	2.0	—	0.5	—	6.4	—	—	—
	Abu Redes	285.8	322.1	8[illegible]	—	—	0.9	—	1.3	—	0.6	—	8.1	—	—	—
	Tor	—	—	—	0.3	—	1.2	—	1.3	—	0.4	—	6.4	—	—	—
	Hurghada	—	—	—	0.3	—	1.2	—	1.2	—	0.8	—	13.1	—	—	—
	Quseir	—	—	—	0.3	—	1.4	—	1.4	—	0.6	—	15.4	—	—	—
	Abul Kisan	—	—	—	—	—	1.3	—	1.5	—	0.3	—	9.9	—	—	—

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

NOVEMBER 1963

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	Sidi Barrani	5	—	—	—	—	—	16.0	19.4	13	11.4	29	24.9	27.5	2	21.0	29	20.6	22.5	12	17.0	29
		10	—	—	—	—	—	18.0	20.7	13	14.4	29	22.4	24.6	2	18.8	29	22.2	23.9	2,10	18.8	29
		20	—	—	—	—	—	21.1	21.9	13	17.0	29	22.0	24.0	1,2,13	17.5	29	21.5	23.1	3	18.9	30
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mersa Matruh (A)	5	16.0	—	—	—	—	15.1	—	—	—	—	23.9	—	—	—	—	17.6	—	—	—	—
		10	17.6	—	—	—	—	16.5	—	—	—	—	20.9	—	—	—	—	18.5	—	—	—	—
		20	19.3	—	—	—	—	18.4	—	—	—	—	18.8	—	—	—	—	18.8	—	—	—	—
		50	20.9	—	—	—	—	20.3	—	—	—	—	19.9	—	—	—	—	19.2	—	—	—	—
		100	20.6	—	—	—	—	19.3	—	—		—	20.3	—	—	—	—	19.3	—	—	—	—
		200	23.5	—	—	—	—	22.6	—	—	—	—	23.3	—	—	—	—	21.7	—	—	—	—
	Ras El Hikma.	5	—	—	—	—	—	17.8	20.0	2,6	13.2	29	24.6	27.1	19	21.0	30	19.9	21.4	6,16	16.3	29
		10	—	—	—	—	—	18.3	20.4	6	14.5	29	22.3	23.9	12,19	18.8	30	20.8	22.0	*	17.5	29
		20	—	—	—	—	—	19.8	20.9	6	15.8	29	21.3	22.5	17,18,19	18.3	29,30	20.9	22.0	17	18.1	29
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	22.2	23.2	1	21.2	30	22.2	23.1	1,2	21.2	30	22.2	23.1	1	21.1	30
		200	—	—	—	—	—	23.0	23.5	1,2,3	22.5	*	23.0	23.5	1,2,3	22.4	30	23.0	23.5	1,2	22.4	30
	Alexandria (A)	5	19.0	24.0	1	15.0	25,28,30	17.7	25.0	2	13.0	28	31.5	35.5	8	26.3	30	22.7	28.5	5	19.0	29
		10	21.7	25.7	6	18.4	30	19.9	22.5	8	16.0	28	25.9	29.0	2	21.2	30	25.0	26.5	8	22.0	25,29
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	23.9	25.6	4	21.4	25	24.0	25.6	4	21.5	30	23.9	25.4	1,6	21.8	23	23.9	26.5	8	22.0	30
		100	25.4	26.5	1,2,7	24.0	24,26,28	25.6	27.0	2	24.2	30	25.6	26.8	1,2	24.2	26	25.5	26.8	2	24.1	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	El Arish	5	19.0	22.0	10	15.1	29	17.8	23.6	9	12.8	30	23.3	25.8	10	19.0	30	21.4	23.6	*	17.2	29,30
		10	19.8	22.4	11,12,11	16.2	30	18.6	22.6	10	13.5	30	22.4	24.8	10	18.4	30	21.8	24.2	10	17.5	30
		20	21.7	24.0	11	18.0	30	20.8	23.6	10	15.7	30	21.7	24.0	10	17.4	30	22.5	24.7	10	18.4	30
		50	24.6	26.3	2	22.5	26,29	24.6	26.3	1,2	22.4	29	24.3	26.2	2	21.4	30	24.3	25.9	1	21.4	30
		100	25.9	27.3	1	24.1	30	25.8	27.3	1	24.0	30	25.6	27.2	1	24.1	29,30	25.7	27.2	1	23.8	30
		200	27.1	28.0	1	26.1	30	27.1	28.0	1	26.1	30	27.0	28.0	1,2	26.1	27,29	27.0	28.0	2	26.0	30
	Ghazza	5	18.6	21.9	17	16.0	30	18.0	21.5	10	14.8	30	22.9	25.0	11,12,20	19.2	30	20.8	22.8	20	18.2	29
		10	20.1	22.2	10	16.6	30	18.7	21.8	10	15.5	30	21.2	23.4	10	18.0	29,30	21.0	23.0	*	18.0	30
		20	20.4	23.3	10	17.0	30	19.5	22.0	10	16.2	30	21.2	23.0	1,10	18.3	30	21.0	24.0	9,10	18.5	30
		50	23.6	26.3	2	20.0	29	23.0	26.2	2	22.0	*	24.2	25.7	7,10	22.0	30	23.0	25.2	1,2,12	21.0	30
		100	30.9	33.3	2	28.5	17	30.4	34.0	1	28.2	27	30.0	32.5	4	28.0	30	30.2	32.5	3	28.0	23,29,30
		200	30.0	31.4	[illegible]	29.0	25,27	30.1	31.4	2	29.0	28	30.2	31.0	*	29.0	1,30	30.1	31.2	3	29.0	29

* More than 3 days.

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

NOVEMBER 1963

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	Sakha	5	—	—	—	—	—	21.0	23.5	7	18.0	28	22.8	24.2	7-18	19.8	30	20.3	22.5	1,2	16.0	30
		10	—	—	—	—	—	21.4	24.2	7	18.0	30	22.8	25.0	*	20.5	30	20.8	23.0	*	16.4	30
		20	—	—	—	—	—	22.1	24.8	7	18.0	30	24.2	26.0	8	20.8	30	21.3	23.7	1	17.0	30
		50	—	—	—	—	—	20.5	22.6	5,7	17.4	30	22.[illegible]	23.8	1,2	18.0	30	19.8	22.0	1,2	15.2	30
		100	—	—	—	—	—	19.9	22.0	1,5,7	17.0	28,30	21.5	23.0	1,2	17.[illegible]	30	19.3	21.5	2	14.8	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gimmeiza	5	—	—	—	—	—	17.5	19.5	7	14.8	30	25.4	27.7	18	23.2	1	19.8	21.0	10	18.0	29
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	21.7	22.8	1	20.7	30	21.7	22.8	1	20.7	29,30	21.7	22.7	1-2	20.0	29,30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	17.8	20.1	1	15.0	29,30	22.6	24.8	1	19.2	30	21.0	23.0	7	17.8	30
		10	—	—	—	—	—	21.9	24.2	1	19.4	29,30	23.5	25.5	1	20.5	30	23.0	25.5	1	21.0	30
		20	—	—	—	—	—	20.7	23.1	1	18.5	30	20.8	23.1	1	18.4	30	21.2	23.1	1	18.8	30
		50	—	—	—	—	—	25.0	27.2	1	23.1	30	24.9	27.0	1	22.9	30	24.8	26.8	1	22.6	30
		100	—	—	—	—	—	25.6	27.0	1	24.2	30	25.6	27.0	1	24.1	30	25.6	27.0	1	24.1	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tahrir	5	16.9	19.0	23	13.4	30	16.1	18.8	7-23	11.8	30	28.2	30.9	8	24.7	30	21.0	22.7	6	18.4	29
		10	19.1	21.5	1	15.9	30	16.6	19.0	1,7,23	13.7	30	25.3	27.7	1	21.7	30	22.3	24.4	7	19.7	30
		20	22.0	24.4	1	19.5	30	20.[illegible]	23.0	1	17.8	30	21.9	24.2	1	18.9	30	23.3	25.3	1	20.3	30
		50	23.4	25.6	1	21.3	30	23.[illegible]	25.5	1	21.1	30	—	—	—	—	—	23.0	25.0	1	20.8	30
		100	—	—	—	—	—	25.0	26.6	1,2	23.4	30	—	—	—	—	—	24.9	26.6	1	23.3	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	24.7	27.3	6	21.6	30	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	25.8	28.0	5,6	23.2	28-29	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	26.2	27.5	6	24.7	28	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

TABLE A 7. (*contd.*) — SOIL TEMPERATURES (°C) AT SELECTED DEPTHS AT FIXED HOURS
NOVEMBER 1963

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
Cairo Area	Giza	5	19.6	22.1	7	14.6	30	18.1	21.1	7	13.5	30	27.8	31.4	1	24.7	30	23.3	25.6	1	19.4	29,30
		10	22.6	25.2	1	19.0	30	20.9	23.0	7	17.0	30	24.4	27.2	1	21.1	30	24.6	27.1	1	21.4	30
		20	24.6	27.1	1	22.0	30	24.0	26.4	1	21.2	30	23.9	26.1	1	21.1	30	24.6	26.9	1	21.8	30
		50	26.0	28.0	1	24.0	30	25.0	28.0	1	23.9	30	25.9	27.9	1	23.8	30	25.8	27.9	1	23.7	30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Upper Egypt	Fayoum	5	—	—	—	—	—	19.4	21.[illegible]	7	15.6	30	26.1	28.0	1	23.1	30	22.4	24.0	*	19.0	30
		10	—	—	—	—	—	20.7	22.5	7,8	17.2	30	22.2	26.0	1	20.6	30	23.4	25.1	1	20.5	30
		20	—	—	—	—	—	22.7	24.0	1-6,8	20.0	30	23.1	24.5	1,8	20.2	30	23.3	24.6	1	21.0	30
		50	—	—	—	—	—	23.9	25.2	1	22.1	30	23.7	25.0	1	22.0	30	23.6	25.1	1	21.8	30
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Minya (A)	5	19.5	23.0	1	15.5	30	17.8	20.0	1,5,7	13.5	30	24.4	28.0	1	20.5	30	21.8	24.5	1-18	18.0	29
		10	23.3	26.5	1	19.5	30	22.0	24.5	7	18.0	30	24.5	27.5	1	21.0	29-30	24.7	27.5	1	21.0	30
		20	23.9	27.0	1	21.0	30	23.4	26.0	1	20.4	29	23.7	26.0	1,2	20.7	30	24.1	26.5	1,2-5	21.0	30
		50	25.4	27.7	1	23.0	30	25.4	27.6	1	23.0	30	25.3	27.5	1	22.7	30	25.2	27.5	1	22.6	30
		100	26.9	28.5	1	25.0	27	26.9	28.5	1	25.0	27	26.9	28.5	1	25.5	29	26.9	28.5	1	25.5	28,29
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Maliawi	5	—	—	—	—	—	15.8	17.8	1	12.2	30	17.4	19.0	1-6,7	13.5	30	17.4	20.0	1	12.8	30
		10	—	—	—	—	—	17.1	19.2	1	14.0	29-30	17.7	19.2	1	14.5	30	17.6	20.0	1	14.0	30
		20	—	—	—	—	—	18.1	20.0	1	15.7	30	18.1	20.0	1	15.5	30	18.1	20.0	1	15.5	30
		50	—	—	—	—	—	20.3	21.8	1	18.8	30	20.3	21.8	1	18.8	30	20.3	21.8	1	18.8	30
		100	—	—	—	—	—	21.7	22.8	1-2,3	20.5	30	21.7	22.8	1,2,3	20.5	30	21.7	22.8	1-2,3	20.5	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel	5	—	—	—	—	—	20.0	22.5	1	16.5	30	26.0	28.5	2,8-9	22.0	30	23.7	27.5	1	20.0	29
		10	—	—	—	—	—	22.2	25.5	12	18.5	30	24.7	26.5	2,8,9	21.0	14	24.8	27.5	1	22.0	29,30
		20	—	—	—	—	—	23.8	25.5	1	21.0	30	23.9	25.2	1	21.0	30	24.5	26.3	1	22.0	29-30
		50	—	—	—	—	—	24.5	26.0	*	21.5	30	25.6	27.0	1	23.0	30	24.3	26.5	1	22.8	29
		100	—	—	—	—	—	26.1	27.1	2	25.0	30	25.9	27.3	1	25.0	29,30	26.2	27.5	2	24.5	28
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days

TABLE A 7. (*contd.*)— SOIL TEMPERATURES (°C) AT SELECTED DEPTHS AT FIXED HOURS
NOVEMBER 1963

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.*)	Nag Hammadi	5	—	—	—	—	—	16.9	18.0	14-19	13.5	30	25.7	27.2	3,6	23.0	28	21.8	23.4	6	18.0	30
		10	—	—	—	—	—	17.7	19.2	7-26	15.5	30	22.3	23.[illegible]	1	20.5	28	21.3	22.9	6	17.6	30
		20	—	—	—	—	—	20.2	21.4	1[illegible]	17.6	30	21.0	22.6	10	18.8	30	20.9	22.4	3	17.6	30
		50	—	—	—	—	—	22.4	23.8	1-2	19.4	29	22.4	23.8	1-2-22	19.4	29	22.4	23.8	1,2,22	19.4	29
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo	5	—	—	—	—	—	18.4	19.5	10	16.7	29	27.7	29.0	*	26.0	30	22.1	23.5	6	20.7	30
		10	—	—	—	—	—	20.2	21.2	9	19.0	29,30	23.8	24.8	9	22.3	30	22.8	24.0	*	21.0	30
		20	—	—	—	—	—	22.2	23.2	1	19.9	29	22.5	23.1	1-9	21.4	30	22.7	24.2	6	21.2	29
		50	—	—	—	—	—	23.5	24.1	1	21.5	29	23.[illegible]	24.4	1	21.6	29	23.5	24.4	1	22.0	29
		100	—	—	—	—	—	25.3	26.4	1	24.6	28,29,30	25.3	26.4	1,2	24.6	30	25.3	26.3	2	24.5	29-30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Western Desert	Siwa	5	18.1	21.6	1	13.2	29,30	16.5	20.0	6	11.4	29	24.3	26.8	6	19.4	25	21.0	23.8	11	16.6	29
		10	19.6	22.9	1	15.4	30	18.1	20.8	6	13.0	29	22.3	24.6	6	18.8	30	22.6	24.0	11	18.2	29
		20	21.3	24.1	1	17.4	27	20.2	22.3	1	16.2	30	21.2	23.2	6	16.4	30	22.4	24.3	2	18.8	30
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bahariya	5	18.8	20.6	8	14.2	30	16.5	19.1	7	10.9	30	21.5	24.2	7	18.0	27,30	21.5	23.3	1	17.2	27
		10	20.6	22.2	*	16.8	30	18.7	20.9	7	14.2	30	20.6	22.8	7	16.8	30	22.0	24.4	1	18.6	27-30
		20	22.8	25.0	1	19.8	30	21.8	24.0	1	18.5	30	20.9	23.5	1	18.2	30	22.8	25.1	1	19.5	30
		50	25.5	27.6	1	21.6	26	25.5	27.6	1	21.2	26	25.4	27.6	1	21.0	26	25.3	27.5	1	21.7	26
		100	26.9	28.9	1,2	25.3	30	26.9	28.9	1,2,4	25.2	30	26.8	28.5	2	25.2	30	27.0	28.6	1	25.1	30
		200	28.7	29.9	1	27.5	29-30	28.7	29.9	1	27.6	29,30	28.7	29.8	1-2	27.6	30	27.7	29.8	1,2	27.6	30
	Farafra	5	21.7	24.4	1	18.0	30	20.2	23.4	4	16.3	30	23.4	27.4	2	19.4	30	23.5	26.5	1	19.8	30
		10	22.5	25.3	1	19.2	30	21.4	25.7	4	17.6	30	21.3	24.8	2	18.8	30	23.1	25.8	1	19.9	30
		20	23.3	26.0	1	20.6	30	22.8	25.5	1	19.9	30	22.6	24.8	1,2	19.7	30	23.1	25.4	1	20.2	30
		50	24.0	25.6	1,2	22.2	30	24.0	25.7	1	22.2	30	23.9	25.7	1	22.1	30	23.9	25.6	1	22.2	30
		100	25.2	26.9	1	23.7	29,30	25.2	26.9	1	23.6	30	25.2	26.9	1	23.7	30	25.2	26.8	1	23.7	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

*More than 3 days.

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

NOVEMBER 1963

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	3	0	0	0	0	0	0	0	0	0	1	0	—	—	—	—	0	14	0
	Sidi Barrani	—	0	0	0	0	1	0	0	0	0	0	0	—	—	—	—	0	—	—
	El Kasr	5	0	0	1	0	1	0	0	0	0	2	0	—	—	—	—	0	—	—
	Mersa Matruh (A)	6	0	0	1	0	1	0	0	0	0	2	1	—	—	—	—	0	13	0
	Ras El Hikma	3	0	0	0	0	1	0	0	0	0	2	0	—	—	—	—	0	—	—
	Dabaa	3	0	0	0	0	0	0	0	0	0	3	0	—	—	—	—	0	—	—
	Dekheila (A)	5	0	0	0	0	0	2	0	0	0	0	0	—	—	—	—	0	6	0
	Ras El Teen	5	0	0	0	0	1	0	0	0	0	0	0	—	—	—	—	0	2	0
	Alexandria (A)	7	0	0	0	0	0	4	1	0	0	0	0	—	—	—	—	0	1	0
	Rosetta	2	0	0	0	0	1	2	0	0	0	1	0	—	—	—	—	0	—	—
	Balteam	6	0	0	0	0	0	3	0	0	0	0	0	—	—	—	—	0	—	—
	Damietta	5	0	0	0	0	0	3	0	0	0	0	0	—	—	—	—	0	—	—
	Port Said (A)	4	0	0	0	0	1	0	0	0	0	0	0	—	—	—	—	0	12	0
	El Arish	2	0	0	0	0	1	0	0	1	0	0	0	—	—	—	—	0	8	1
	Ghazza	8	0	0	0	0	4	0	1	0	0	0	0	—	—	—	—	0	16	1
Lower Egypt	El Sirw	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	3	0	0	0	0	0	15	1	0	0	0	0	—	—	—	—	0	—	—
	Damanhour	1	0	0	0	—	0	9	0	0	0	0	0	—	—	—	—	0	—	—
	Tanta	3	0	0	0	—	0	0	0	0	0	0	0	—	—	—	—	0	—	—
	Tahrir	2	0	0	0	0	0	14	1	0	0	0	1	—	—	—	—	0	12	0
	Shebin El Kom	1	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	0	—	—
	Zagazig	1	0	0	0	0	0	15	1	0	0	0	0	—	—	—	—	0	—	—
	Abu Sueir (A)	0	0	0	0	—	0	28	0	0	0	1	0	—	—	—	—	0	13	0
	Banha	0	0	0	0	0	0	1	0	0	0	0	0	—	—	—	—	0	—	—
	Zaher (A)	0	0	0	0	0	0	15	1	0	0	1	0	—	—	—	—	0	—	—
	Wadi El Natrun	1	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	0	—	—
	Inshas (A)	0	0	0	0	0	0	8	3	0	0	1	0	—	—	—	—	0	20	0
	Fayed (A)	0	0	0	0	0	0	10	1	0	0	1	0	—	—	—	—	0	—	—
	Kabrit (A)	0	0	0	0	0	0	4	1	0	0	0	0	—	—	—	—	0	—	—

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

NOVEMBER 1963

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
Cairo Area	Cairo . . . . . (A)	0	0	0	0	0	0	9	2	6	0	1	0	—	—	—	—	0	14	0
	Mostafa Helmi . (A)	0	0	0	0	0	0	15	13	0	0	1	0	—	—	—	—	0	17	0
	Almaza . . . . (A)	0	0	0	0	0	0	11	3	9	0	0	0	—	—	—	—	0	17	0
	Abbasiya . . . (H.Q.)	0	0	0	0	0	0	1	2	1	0	0	0	—	—	—	—	0	17	0
	Imbaba . . . . (A)	0	0	0	0	0	0	18	0	1	0	0	0	—	—	—	—	0	—	—
	Giza	0	0	0	0	0	0	3	3	0	0	0	0	—	—	—	—	0	22	0
	Helwan	0	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	0	21	0
Upper Egypt	Fayoum	0	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	0	—	—
	Beni Suef	0	0	0	0	0	0	10	0	0	0	0	0	—	—	—	—	0	—	—
	Minya . . . . . (A)	0	0	0	0	0	0	11	1	0	0	0	0	—	—	—	—	0	25	0
	Mallawi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Asyout (Mangabad)(A)	0	0	0	0	0	0	10	0	2	0	0	0	—	—	—	—	0	27	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi . . .	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor . . . . . (A)	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	—	—
	Aswan . . . . . (A)	0	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	0	29	0
Western Desert	Siwa	1	0	0	0	0	1	0	0	0	0	0	0	—	—	—	—	0	22	0
	Bahariya	0	0	0	0	0	0	0	2	0	0	1	0	—	—	—	—	0	22	0
	Farafra	0	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	0	23	0
	Dakhla	0	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	0	27	0
	Kharga	0	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	0	30	0
Red Sea	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	0	0	0	0	0	0	0	0	0	0	0	0	—	—	—	—	0	—	—
	Tor.	0	0	0	0	0	0	0	0	0	0	1	0	—	—	—	—	0	26	0
	Hurghada	0	0	0	0	0	0	0	0	0	0	1	0	—	—	—	—	0	24	0
	Quseir	0	0	0	0	0	0	0	0	0	0	6	0	—	—	—	—	0	24	0
	Abul Kizan	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

NOVEMBER 1963

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	5	0	0	1—10	83	49	34	15	6	13	98	142	82	18	38	93	671
					11—27	4	0	0	0	0	0	2	6	10	2	10	9	43
					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	87	49	34	15	6	13	100	149	92	20	48	102	715
	Mersa Matruh . . (A)	5	5	0	1—10	106	70	36	1	6	15	29	73	126	49	30	32	573
					11—27	46	14	4	0	0	0	0	5	33	21	9	5	137
					28—47	0	0	0	0	0	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	84	40	1	6	15	29	78	159	70	39	37	710
	Dabaa	18	0	0	1—10	138	121	53	7	5	7	7	24	119	63	16	41	601
					11—27	35	10	3	0	0	0	0	1	5	12	11	24	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	173	131	56	7	5	7	7	25	124	75	27	65	702
	Dekheila . . . (A)	22	0	0	1—10	55	95	189	32	27	26	25	29	58	14	16	20	586
					11—27	27	44	17	1	0	0	0	0	2	3	11	7	112
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	82	139	206	33	27	26	25	29	60	17	27	27	698
	Ras El Teen	0	2	0	1—10	76	26	133	109	50	28	16	7	28	18	6	15	512
					11—27	16	48	65	39	15	0	0	0	0	11	1	11	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	92	74	198	148	65	28	16	7	28	29	7	26	718
	Alexandria . . . (A)	92	0	0	1—10	141	129	41	17	18	5	19	28	21	10	15	59	503
					11—27	21	22	5	0	0	0	0	2	9	17	10	39	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	162	151	46	17	18	5	19	30	30	27	25	98	628
	Port Said . . . (A)	0	4	0	1—10	138	177	58	10	4	11	6	13	33	34	23	47	554
					11—27	39	42	11	0	0	0	0	0	26	29	7	7	161
					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	177	219	69	10	4	11	6	13	59	63	31	54	716
	El Arish	1	12	0	1—10	120	93	15	12	19	127	59	42	89	17	29	68	690
					11—27	0	0	0	0	0	0	0	0	2	11	3	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	120	93	15	12	19	127	59	42	91	28	32	69	707
	Ghazza	0	48	0	1—10	39	11	33	58	62	175	26	17	20	28	41	57	567
					11—27	25	9	0	1	0	15	1	5	18	11	2	18	105
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	64	20	33	59	62	190	27	22	38	39	43	75	673

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

NOVEMBER — 1963

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
Lower Egypt	Mansoura	1	3	12	1—10	119	182	26	5	4	0	0	25	39	49	62	149	660
					11—27	2	11	8	0	0	0	0	0	5	5	6	7	44
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	121	193	34	5	4	0	0	25	44	54	68	156	704
	Tanta	115	0	0	1—10	152	115	43	3	3	0	0	28	48	44	47	114	597
					11—27	0	2	0	0	0	0	0	0	3	1	1	1	8
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	152	117	43	3	3	0	0	28	51	45	48	115	605
Cairo Area	Tahrir	10	0	0	1—10	213	118	23	4	1	0	5	15	35	42	69	154	679
					11—27	5	3	4	0	0	0	0	0	4	6	2	7	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	218	121	27	4	1	0	5	15	39	48	71	161	710
	Abu Sueir (A)	123	2	2	1—10	144	52	9	1	0	2	3	41	63	42	86	61	504
					11—27	45	10	0	0	0	0	0	2	12	5	13	2	89
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	189	62	9	1	0	2	3	43	75	47	99	63	593
	Zaher (A)	53	3	13	1—10	134	105	18	7	8	8	24	60	88	62	51	75	640
					11—27	0	5	0	0	0	0	0	0	3	2	0	1	11
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	134	110	18	7	8	8	24	60	91	64	51	76	651
	Cairo (A)	58	2	209	1—10	38	82	59	56	3	0	4	13	14	9	17	23	318
					11—27	15	48	49	0	0	0	0	1	4	1	12	3	133
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	53	130	108	56	3	0	4	14	18	10	29	26	451
	Mostafa Helmi (A)	1	0	3	1—10	190	131	22	0	0	0	2	9	19	22	34	58	487
					11—27	50	110	38	4	0	0	0	0	0	6	8	13	229
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	240	241	60	4	0	0	2	9	19	28	42	71	716
Upper Egypt	Almaza (A)	8	2	0	1—10	57	150	256	43	35	34	23	17	23	15	30	24	707
					11—27	0	2	1	0	0	0	0	0	0	0	0	0	3
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	57	152	257	43	35	34	23	17	23	15	30	24	710
	Abbaslya (H.Q.)	9	2	0	1—10	58	150	254	43	35	34	23	17	23	15	28	24	704
					11—27	0	2	1	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	58	152	255	43	35	34	23	17	23	15	30	24	709
	Giza	64	0	0	1—10	272	119	18	0	0	13	16	2	5	13	32	164	654
					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	272	121	18	0	0	13	16	2	5	13	32	164	656

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

NOVEMBER 1963

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	013 / 044	045 / 074	075 / 104	105 / 134	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	315 / 344	
UPPER EGYPT	Fayoum	51	0	27	1—10	423	31	2	0	0	2	0	6	19	17	28	112	640
					11—27	1	0	0	0	0	0	0	0	0	0	0	0	1
					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	**425**	**31**	**2**	**0**	**0**	**2**	**0**	**6**	**19**	**17**	**28**	**112**	**642**
	Minya (A)	18	5	0	1—10	268	43	0	1	0	0	3	1	3	10	17	253	599
					11—27	48	34	0	0	0	0	0	0	0	0	0	16	98
					28—47	0	0	0	0	0	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**	**77**	**0**	**1**	**0**	**0**	**3**	**1**	**3**	**10**	**17**	**269**	**697**
	Asyout (A)	1	0	0	1—10	5	0	0	0	0	0	1	2	26	183	162	89	468
					11—27	9	2	0	0	0	0	0	0	9	66	81	84	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	**14**	**2**	**0**	**0**	**0**	**0**	**1**	**2**	**35**	**249**	**243**	**173**	**719**
	Luxor (A)	163	0	106	1—10	31	25	16	14	17	29	72	42	11	14	49	119	439
					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	**31**	**25**	**16**	**14**	**17**	**29**	**72**	**42**	**11**	**14**	**49**	**131**	**451**
	Aswan	0	0	0	1—10	246	362	29	0	0	0	0	0	0	0	1	14	652
					11—27	14	52	2	0	0	0	0	0	0	0	0	0	68
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**260**	**414**	**31**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**14**	**720**
WESTERN DESERT	Siwa	226	29	0	1—10	18	30	27	23	16	17	28	18	34	118	80	44	453
					11—27	3	0	0	0	0	1	0	0	0	2	5	1	12
					28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥84	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**21**	**30**	**27**	**23**	**16**	**18**	**28**	**18**	**34**	**120**	**85**	**45**	**465**
	Dakhla	19	0	0	1—10	67	83	10	3	6	2	4	6	23	110	188	191	693
					11—27	2	6	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	**69**	**89**	**10**	**3**	**6**	**2**	**4**	**6**	**23**	**110**	**188**	**191**	**701**
RED SEA	Hurghada	1	1	0	1—10	34	5	2	0	0	1	1	0	2	46	100	40	225
					11—27	26	0	0	0	0	0	0	0	0	129	178	157	490
					28—47	0	0	0	0	0	0	0	0	0	0	3	0	3
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**60**	**5**	**2**	**0**	**0**	**1**	**1**	**0**	**2**	**169**	**281**	**197**	**718**
	Quseir	0	0	0	1—10	58	6	2	0	0	0	2	2	16	162	130	35	413
					11—27	51	6	0	0	0	0	0	0	0	26	65	164	306
					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	**110**	**6**	**2**	**0**	**0**	**0**	**2**	**2**	**16**	**188**	**195**	**199**	**720**

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

SALLUM — NOVEMBER 1963

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	2	1	5	3	14
				11—27	0	0	0	0	0	0	0	0	1	1	0	1	3
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	0	0	0	0	0	0	3	2	5	4	17
0300	11	0	0	1—10	3	0	0	0	0	0	0	0	1	3	2	2	11
				11—27	0	0	0	0	0	0	0	0	0	3	2	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	1	6	4	5	19
0600	12	0	0	1—10	0	0	0	0	0	0	0	0	1	2	2	5	10
				11—27	0	0	0	0	0	0	0	0	1	2	4	0	7
				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	0	0	0	0	0	0	2	5	6	5	18
0900	11	0	0	1—10	1	1	0	0	0	0	0	1	1	4	4	2	14
				11—27	0	0	0	0	0	0	0	1	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	0	0	0	0	2	1	8	4	2	19
1200	7	0	0	1—10	5	1	5	2	0	0	0	2	2	1	0	1	19
				11—27	1	0	0	0	0	0	0	0	1	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	6	1	5	2	0	0	0	2	3	3	0	1	23
1500	7	0	0	1—10	8	4	3	0	0	0	0	2	2	0	0	1	20
				11—27	1	0	0	0	0	0	0	0	0	2	0	0	3
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	4	3	0	0	0	0	2	2	2	0	1	23
1800	9	0	0	1—10	3	2	2	2	0	0	0	0	0	1	0	3	13
				11—27	1	0	0	0	0	0	0	0	2	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	4	2	2	2	0	0	0	0	2	2	1	6	21
2100	12	0	0	1—10	1	1	0	0	1	0	0	0	1	3	3	6	16
				11—27	0	0	0	0	0	0	0	0	0	0	1	1	2
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	0	0	1	0	0	0	1	3	4	7	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) — NOVEMBER 1963

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	2	0	0	0	2	5	8	5	0	0	24
				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	2	1	2	0	0	0	2	5	10	5	0	0	27
0300	2	0	0	1—10	1	1	0	0	0	0	0	6	10	3	0	0	21
				11—27	1	1	1	0	0	0	0	2	2	0	0	0	7
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	1	0	0	0	0	8	12	3	0	0	28
0600	1	0	0	1—10	1	0	0	0	0	0	0	5	12	3	1	1	23
				11—27	1	1	1	0	0	0	0	0	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	2	1	1	0	0	0	0	5	15	3	1	1	29
0900	1	0	0	1—10	2	3	1	0	1	0	1	0	2	3	4	5	22
				11—27	1	2	2	0	0	0	0	0	0	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	3	5	3	0	1	0	1	0	2	4	5	5	29
1200	0	0	0	1—10	10	5	1	0	0	0	0	0	1	0	1	2	20
				11—27	4	2	0	0	0	0	0	0	1	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	14	7	1	0	0	0	0	0	2	0	1	5	30
1500	2	0	0	1—10	8	7	2	1	0	0	0	1	0	0	1	2	22
				11—27	2	1	0	0	0	0	0	0	1	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	10	8	2	1	0	0	0	1	1	0	2	3	28
1800	7	0	0	1—10	2	5	1	0	1	1	2	0	1	0	0	4	17
				11—27	1	1	1	0	0	0	0	0	1	1	0	1	6
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	6	2	0	1	1	2	0	2	1	0	5	23
2150	11	0	0	1—10	2	0	2	0	0	0	3	1	4	2	1	0	15
				11—27	0	1	0	0	0	0	0	0	1	1	0	1	4
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	2	0	0	0	3	1	5	3	1	1	19

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

DEKHEILA (A) — NOVEMBER 1963

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	3	2	10	1	0	1	4	0	2	0	0	0	23
				11—27	1	0	0	0	0	0	0	0	0	0	1	0	2
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	2	10	1	0	1	4	0	2	0	1	0	25
0300	4	0	0	1—10	1	2	9	1	0	1	0	5	5	0	0	0	24
				11—27	1	0	0	0	0	0	0	0	0	0	1	0	2
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	9	1	0	1	0	5	5	0	1	0	26
0600	2	0	0	1—10	0	2	4	2	1	1	2	4	7	3	0	0	26
				11—27	2	0	0	0	0	0	0	0	0	0	0	0	2
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	4	2	1	1	2	4	7	3	0	0	28
0900	0	0	0	1—10	0	9	8	3	0	0	1	1	0	1	4	1	28
				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	1	9	8	3	0	0	1	1	0	2	4	1	30
1200	0	0	0	1—10	2	12	7	0	0	0	0	0	1	0	2	1	25
				11—27	1	0	2	1	0	0	0	0	0	0	1	0	5
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	12	9	1	0	0	0	0	1	0	3	1	30
1500	0	0	0	1—10	8	6	10	0	0	0	0	0	0	0	0	2	26
				11—27	0	0	3	0	0	0	0	0	0	0	1	0	4
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	6	13	0	0	0	0	0	0	0	1	2	30
1800	2	0	0	1—10	5	3	12	4	1	0	0	0	0	0	0	1	26
				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	6	3	13	4	1	0	0	0	0	0	0	1	28
2100		0	0	1—10	2	2	10	2	3	0	3	0	2	0	0	1	25
				11—27	2	0	1	0	0	0	0	0	0	0	0	0	3
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	2	11	2	3	0	3	0	2	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.

RAS EL TEEN — NOVEMBER 1963

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	1	5	3	3	1	1	0	0	0	0	0	14
				11—27	2	3	1	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	2	4	6	4	3	1	1	0	1	0	0	0	22
0300	8	0	0	1—10	0	1	5	2	1	1	1	0	2	0	0	0	13
				11—27	1	1	5	0	0	0	0	0	0	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	1	2	10	2	1	1	1	0	2	2	0	0	22
0600	10	0	0	1—10	0	1	1	2	1	1	0	1	1	2	1	0	11
				11—27	0	2	3	2	0	0	0	0	0	1	0	1	9
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	3	4	4	1	1	0	1	1	3	1	1	20
0900	3	0	0	1—10	1	1	10	5	2	0	0	0	0	2	2	1	22
				11—27	0	1	1	1	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	1	2	11	4	2	0	0	0	0	3	3	1	27
1200	0	0	0	1—10	1	6	7	2	0	0	0	0	0	0	3	1	20
				11—27	0	3	2	2	2	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	1	9	9	4	2	0	0	0	0	0	3	2	30
1500	0	0	0	1—10	1	2	10	2	0	0	0	0	0	0	0	2	17
				11—27	0	4	5	2	1	0	0	0	0	0	0	1	13
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	6	15	4	1	0	0	0	0	0	0	3	30
1800	1	0	0	1—10	0	3	3	8	2	0	0	0	0	0	1	1	18
				11—27	2	3	3	2	1	0	0	0	0	0	0	0	11
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	6	6	10	3	0	0	0	0	0	1	1	29
2100	5	0	0	1—10	1	1	6	4	2	2	1	1	0	0	0	0	18
				11—27	1	1	3	2	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	2	2	9	6	2	2	1	1	0	0	0	0	25

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

ALEXANDRIA (A) — NOVEMBER 1963

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	8	1	2	1	0	2	1	0	0	0	0	17
				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	4	8	1	2	1	0	2	1	0	1	0	0	20
0300	11	0	0	1—10	4	2	3	0	0	0	1	2	2	0	1	0	15
				11—27	2	0	0	0	0	0	0	1	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	6	2	3	0	0	0	1	3	2	0	1	1	19
0600	13	0	0	1—10	5	2	1	1	0	0	0	3	1	0	0	1	14
				11—27	0	0	0	0	0	0	0	1	1	0	0	1	3
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	2	1	1	0	0	0	4	2	0	0	2	17
0900	0	0	0	1—10	6	3	4	3	0	0	0	0	3	0	2	3	24
				11—27	2	1	1	0	0	0	0	0	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	8	4	5	3	0	0	0	0	4	1	2	3	30
1200	0	0	0	1—10	6	2	0	0	0	0	0	0	1	0	2	4	15
				11—27	6	4	0	0	0	0	0	0	1	1	1	2	15
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	6	0	0	0	0	0	0	2	1	3	6	30
1500	0	0	0	1—10	12	7	0	0	0	0	0	0	0	1	3	1	24
				11—27	1	2	0	0	0	0	0	0	0	1	0	2	6
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	9	0	0	0	0	0	0	0	2	3	3	30
1800	2	0	0	1—10	4	12	4	0	0	0	0	0	0	1	0	5	26
				11—27	0	0	0	0	0	0	0	0	0	0	1	1	2
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	12	4	0	0	0	0	0	0	1	1	6	28
2105	5	0	0	1—10	5	6	5	0	0	0	2	1	0	0	1	1	21
				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	6	7	5	0	0	0	2	1	0	0	2	2	25

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 1963

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 / 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	5	3	1	0	1	0	2	2	1	1	1	23
				11—27	2	2	1	0	0	0	0	0	0	2	0	0	7
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	7	4	1	0	1	0	2	2	3	1	1	30
0300	1	0	0	1—10	7	5	3	1	0	1	0	0	3	0	2	0	22
				11—27	1	1	1	0	0	0	0	0	1	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	8	6	4	1	0	1	0	0	4	0	4	1	29
0600	0	0	0	1—10	5	3	5	0	0	2	1	0	1	5	1	0	23
				11—27	0	3	1	0	0	0	0	0	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	5	6	6	0	0	2	1	0	3	6	1	0	30
0900	0	0	0	1—10	3	7	3	3	0	0	0	2	2	2	2	2	26
				11—27	1	0	0	0	0	0	0	0	2	1	0	0	4
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	7	3	3	0	0	0	2	4	3	2	2	30
1200	1	0	0	1—10	7	6	3	0	0	0	0	0	2	1	2	6	27
				11—27	2	0	0	0	0	0	0	0	0	0	0	0	2
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	6	3	0	0	0	0	0	2	1	2	6	29
1500	0	0	0	1—10	5	7	1	0	0	0	0	0	0	0	1	4	18
				11—27	3	4	0	0	0	0	0	0	0	2	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	8	11	1	0	0	0	0	0	0	2	2	6	30
1800	0	0	0	1—10	8	10	1	0	0	0	0	1	0	1	0	1	22
				11—27	1	3	0	0	0	0	0	1	0	2	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	13	1	0	0	0	0	2	0	3	0	2	30
2100	0	0	0	1—10	7	6	4	0	0	0	0	2	0	1	0	3	23
				11—27	0	3	1	0	0	0	0	0	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	7	9	5	0	0	0	0	2	1	3	0	3	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 1963

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	0	4	4	6	2	6	1	0	1	29
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				> 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	2	0	4	4	6	2	6	1	0	1	29
0300	1	0	0	1—10	2	1	0	0	3	5	11	2	4	0	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	2	1	0	0	3	5	11	3	4	0	0	0	29
0600	0	0	0	1—10	2	2	0	0	2	9	6	4	4	0	1	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	2	2	0	0	2	9	6	4	4	0	1	0	30
0900	0	0	0	1—10	4	5	1	0	4	1	0	1	3	1	3	4	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	4	5	1	0	4	1	0	1	3	4	3	4	30
1200	0	0	0	1—10	11	2	0	0	1	0	0	0	0	1	7	6	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	11	2	0	0	1	0	0	0	0	2	8	6	30
1500	1	0	0	1—10	8	7	0	0	0	0	0	0	1	2	2	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	8	7	0	0	0	0	0	0	1	2	2	9	29
1800	3	0	0	1—10	7	8	3	0	0	0	1	1	2	2	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	7	8	3	0	0	0	1	1	2	2	1	2	27
2100	8	0	0	1—10	7	1	2	0	1	2	2	1	6	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	7	1	2	0	1	2	2	1	6	0	0	0	22

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

GHAZZA — NOVEMBER 1963

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	4	4	17	2	0	1	0	0	0	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	0	0	0	4	4	18	2	0	1	0	0	0	29
0300	0	0	0	1—10	0	1	1	3	4	16	0	0	0	0	0	0	25
				11—27	0	0	0	0	0	4	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	0	1	1	3	4	20	0	0	0	0	0	1	30
0600	1	0	0	1—10	0	0	0	3	2	21	2	1	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	0	0	0	3	2	21	2	1	0	0	0	0	29
0900	1	0	0	1—10	5	0	0	0	0	0	1	2	7	6	4	1	26
				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	0	0	0	0	0	1	3	8	7	4	1	29
1200	0	0	0	1—10	7	0	0	0	0	0	0	1	0	5	5	5	24
				11—27	1	1	0	0	0	0	0	0	2	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	8	1	0	0	0	0	0	1	2	5	6	7	30
1500	0	0	0	1—10	7	0	0	0	1	0	0	0	0	3	1	6	18
				11—27	8	1	0	0	0	0	0	0	1	1	0	1	12
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	1	0	0	1	0	0	0	1	4	1	7	30
1800	2	0	0	1—10	5	0	4	9	2	1	1	0	0	0	0	2	24
				11—27	1	1	0	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	6	1	4	9	2	1	1	0	1	1	0	2	28
2100	0	0	0	1—10	1	0	4	5	9	8	0	0	0	0	0	1	28
				11—27	0	0	0	0	0	0	0	0	1	1	0	0	2
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	4	5	9	8	0	0	1	1	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 NOVEMBER 1963

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	0	0	0	0	1	0	0	5	3	0	6	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	1	0	0	5	3	0	6	0	15
0300	18	0	0	1—10	0	0	0	0	0	0	0	7	2	0	3	0	12
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	7	2	0	3	0	12
0600	17	0	0	1—10	0	0	0	0	0	0	0	5	5	0	2	0	12
				11—27	0	0	0	0	0	0	0	1	0	0	0	0	1
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	6	5	0	2	0	13
0900	2	0	0	1—10	4	7	3	0	0	0	0	0	2	2	1	4	23
				11—27	0	1	0	0	0	0	0	0	3	1	0	0	5
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	8	3	0	0	0	0	0	5	3	1	4	28
1200	0	0	0	1—10	10	6	1	0	0	0	0	0	1	1	2	1	22
				11—27	2	1	0	0	0	0	0	0	1	1	2	1	8
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	7	1	0	0	0	0	0	2	2	4	2	30
1500	0	0	0	1—10	6	1	0	0	0	0	0	0	1	0	2	0	10
				11—27	13	0	0	0	0	0	0	0	0	1	2	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	19	1	0	0	0	0	0	0	1	1	4	4	30
1800	6	0	0	1—10	14	0	1	0	0	0	0	0	1	2	2	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	14	0	1	0	0	0	0	0	1	2	2	4	24
2100	20	0	0	1—10	3	0	0	0	0	0	0	2	1	0	1	2	9
				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	2	1	0	2	2	10

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

CAIRO (A) — NOVEMBER 1963

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	4	3	12	2	2	1	2	1	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	0	4	3	12	2	2	1	2	1	0	1	0	28
0300	3	0	0	1–10	0	1	5	7	3	1	1	2	4	1	1	1	27
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	5	7	3	1	1	2	4	1	1	1	27
0600	6	0	0	1–10	1	4	4	4	1	0	1	3	4	0	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	1	4	4	4	1	0	1	3	4	0	1	1	24
0900	1	0	0	1–10	1	8	5	1	0	0	0	0	1	3	1	1	21
				11–27	1	0	5	1	0	0	0	0	0	0	1	0	8
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	8	10	2	0	0	0	0	1	3	2	1	29
1200	0	0	0	1–10	4	7	1	0	0	0	0	0	0	1	5	3	21
				11–27	2	1	5	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	6	8	6	0	0	0	0	0	0	2	5	3	30
1500	0	0	0	1–10	6	3	1	1	0	0	0	0	0	1	1	5	18
				11–27	4	7	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	10	10	1	1	0	0	0	0	0	1	1	6	30
1800	0	0	0	1–10	4	4	5	0	1	0	0	2	0	0	1	2	19
				11–27	0	5	6	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	9	11	0	1	0	0	2	0	0	1	2	30
2100	2	0	0	1–10	0	6	6	12	0	0	0	2	0	1	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	0	6	6	12	0	0	0	2	0	1	0	1	28

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

MOSTAFA HELMI — NOVEMBER 1963

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	13	5	1	0	0	0	0	0	0	2	1	2	24
				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	13	5	1	1	0	0	0	0	0	2	1	2	25
0300	3	0	0	1—10	10	7	0	0	0	0	1	0	3	1	2	1	25
				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	11	7	1	0	0	0	1	0	3	1	2	1	27
0600	2	0	0	1—10	6	10	0	0	0	0	0	1	3	2	2	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	7	10	0	0	0	0	0	1	3	2	2	3	28
0900	0	0	0	1—10	0	6	1	0	0	0	0	0	0	0	0	4	11
				11—27	1	9	6	0	0	0	0	0	0	2	1	0	19
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	15	7	0	0	0	0	0	0	2	1	4	30
1200	0	0	0	1—10	3	6	1	0	0	0	0	0	0	0	0	1	11
				11—27	2	9	5	0	0	0	0	0	0	0	2	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	5	15	6	0	0	0	0	0	0	0	2	2	30
1900	0	0	0	1—10	2	5	2	0	0	0	0	0	0	0	0	2	11
				11—27	6	11	0	0	0	0	0	0	0	0	1	1	19
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	16	2	0	0	0	0	0	0	0	1	3	30
1800	0	0	0	1—10	6	8	1	0	0	0	0	0	0	0	0	0	15
				11—27	7	5	1	0	0	0	0	0	0	1	0	1	15
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	13	2	0	0	0	0	0	0	1	0	1	30
2100	1	0	0	1—10	10	12	2	0	0	0	0	0	0	1	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	10	12	3	0	0	0	0	0	0	1	0	3	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 1963

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	4	12	2	3	5	1	1	0	0	1	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	4	12	2	3	5	1	1	0	0	1	0	29
0300	0	0	0	1—10	0	6	5	5	3	3	4	1	1	0	0	2	30
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	6	5	5	3	3	4	1	1	0	0	2	30
0600	1	0	0	1—10	2	6	6	0	4	3	0	2	5	0	0	1	29
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	6	6	0	4	3	0	2	5	0	0	1	29
0900	0	0	0	1—10	2	6	13	0	0	0	0	0	2	1	2	2	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	2	8	13	0	0	0	0	0	2	1	2	2	30
1200	0	0	0	1—10	5	7	8	0	0	0	0	0	0	3	2	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	7	8	0	0	0	0	0	0	3	2	5	30
1500	0	0	0	1—10	11	10	3	0	0	0	0	0	0	2	2	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	11	10	3	0	0	0	0	0	0	2	2	2	30
1800	0	0	0	1—10	2	9	10	0	2	2	0	0	2	0	0	2	29
				11—27	0	0	1	0	0	0	0	0	0	0	0	0	1
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	9	11	0	2	2	0	0	2	0	0	2	30
2100	0	0	0	1—10	1	6	14	3	1	2	0	1	1	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	1	6	14	3	1	2	0	1	1	1	0	0	30

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

ABBASIYA (H.Q)—NOVEMBER 1963

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	21	0	0	1—10	6	1	0	1	0	0	0	0	0	0	1	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	6	1	0	1	0	0	0	0	0	0	1	0	9
0300	25	0	0	1—10	4	1	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	4	1	0	0	0	0	0	0	0	0	0	0	5
0600	18	0	0	1—10	4	3	0	0	0	0	0	2	2	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	4	3	0	0	0	0	0	2	2	0	0	1	12
0900	2	0	0	1—10	6	12	2	0	0	0	0	0	2	2	1	3	28
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	12	2	0	0	0	0	0	2	2	1	3	28
1200	0	0	0	1—10	11	10	0	0	0	0	0	0	0	2	3	4	30
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	10	0	0	0	0	0	0	0	2	3	4	30
1500	2	0	0	1—10	20	3	1	0	0	0	0	0	0	1	0	3	28
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	20	3	1	0	0	0	0	0	0	1	0	3	28
1800	04	0	0	1—10	9	14	1	0	0	0	0	0	1	0	0	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	9	14	1	0	0	0	0	0	1	0	0	1	26
2100	12	0	0	1—10	7	8	1	0	0	0	0	1	0	0	1	0	18
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	8	1	0	0	0	0	1	0	0	1	0	18

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

GIZA — NOVEMBER 1963

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	3	0	0	0	0	0	0	0	0	2	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	8	3	0	0	0	0	0	0	0	0	2	9	22
0300	15	0	0	1-10	7	0	0	0	0	0	0	0	0	0	2	6	15
				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	0	0	0	0	0	0	0	0	0	2	6	15
0600	8	0	0	1-10	7	2	0	0	0	3	1	0	0	0	1	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	7	2	0	0	0	3	1	0	0	0	1	8	22
0900	0	0	0	1-10	5	12	4	0	0	0	1	0	0	3	1	4	30
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	12	4	0	0	0	1	0	0	3	1	4	30
1200	1	0	0	1-10	10	11	2	0	0	0	0	0	0	2	1	2	29
				11-27	0	1	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	12	2	0	0	0	0	0	0	2	1	2	29
1500	1	0	0	1-10	20	3	0	0	1	0	0	0	0	0	1	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	20	3	0	0	1	0	0	0	0	0	1	4	29
1800	3	0	0	1-10	10	14	0	0	0	0	0	0	1	0	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	10	14	0	0	0	0	0	0	1	0	1	1	27
2100	6	0	0	1-10	13	4	1	0	0	1	0	0	0	1	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	13	4	1	0	0	1	0	0	0	1	0	4	24

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

HELWAN — NOVEMBER 1963

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	1—10	4	5	0	0	0	0	0	0	0	0	0	1	10
				11—27	8	5	2	0	0	0	0	0	0	0	0	0	15
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	10	2	0	0	0	0	0	0	0	0	1	25
0300	12	0	0	1—10	1	8	0	0	0	0	0	0	0	0	0	0	9
				11—27	2	6	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	3	14	1	0	0	0	0	0	0	0	0	0	18
0600	9	0	0	1—10	4	7	3	0	0	0	0	0	0	1	0	0	15
				11—27	1	5	0	0	0	0	0	0	0	0	0	0	6
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	12	3	0	0	0	0	0	0	1	0	0	21
0900	3	0	0	1—10	3	3	1	0	0	1	9	2	0	0	1	0	11
				11—27	1	11	3	0	0	0	0	0	0	1	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	4	14	4	0	0	1	0	2	0	1	1	0	27
1200	1	0	0	1—10	2	7	0	0	0	0	0	0	1	1	2	0	13
				11—27	2	7	4	0	0	0	0	1	0	1	1	0	16
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	14	4	0	0	0	0	1	1	2	3	0	29
1500	0	0	0	1—10	5	2	1	0	0	0	0	1	0	0	4	3	16
				11—27	4	8	2	0	0	0	0	0	0	0	0	0	14
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	9	10	3	0	0	0	0	1	0	0	4	3	30
1800	1	0	0	1—10	4	1	2	0	0	0	0	0	0	0	1	1	9
				11—27	8	9	1	0	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	12	10	3	0	0	0	0	0	0	0	1	3	29
2100	1	0	0	1—10	4	4	3	0	0	0	0	0	0	0	0	1	12
				11—27	8	8	1	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	12	12	4	0	0	0	0	0	0	0	0	1	29

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

MINYA (A) — NOVEMBER 1963

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	0	0	0	0	0	0	0	0	0	0	16	29
				11—27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	0	0	0	0	0	0	0	0	0	0	16	30
0300	1	0	0	1—10	12	1	0	0	0	0	0	0	0	0	1	15	29
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	1	0	0	0	0	0	0	0	0	1	15	29
0600	3	1	0	1—10	14	1	0	0	0	0	0	0	0	0	1	5	21
				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	19	1	0	0	0	0	0	0	0	0	1	5	26
0900	0	0	0	1—10	6	7	0	0	0	0	1	1	0	0	0	6	21
				11—27	5	4	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	11	0	0	0	0	1	1	0	0	0	6	30
1200	0	0	0	1—10	8	2	0	0	0	0	0	0	1	0	1	9	21
				11—27	6	1	0	0	0	0	0	0	0	0	0	2	9
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	3	0	0	0	0	0	0	1	0	1	11	30
1500	2	0	0	1—10	21	0	0	0	0	0	0	1	0	1	0	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	21	0	0	0	0	0	0	1	0	1	0	5	28
1800	1	0	0	1—10	16	0	0	0	0	0	0	0	0	0	1	8	25
				11—27	3	0	0	0	0	0	0	0	0	0	0	1	4
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	19	0	0	0	0	0	0	0	0	0	1	9	29
2100	1	0	0	1—10	14	0	0	0	0	0	0	0	0	0	0	11	25
				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	18	0	0	0	0	0	0	0	0	0	0	11	29

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

ASYOUT (A) — NOVEMBER 1963

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	22	6	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	0	0	0	1	22	6	0	29
0300	0	0	0	1—10	0	0	0	0	0	0	0	0	2	23	4	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	2	23	4	1	30
0600	0	0	0	1—10	0	0	0	0	0	0	0	1	1	13	14	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	1	1	13	14	1	30
0900	2	0	0	1—10	0	1	0	0	0	0	0	0	0	1	9	11	22
				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	1	0	0	0	0	0	0	0	1	11	15	28
1200	0	0	0	1—10	2	0	0	0	0	0	0	0	0	0	6	8	16
				11—27	0	1	0	0	0	0	0	0	0	0	6	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	2	1	0	0	0	0	0	0	0	0	12	15	30
1500	0	0	0	1—10	0	0	0	0	0	0	0	0	0	0	15	3	18
				11—27	2	0	0	0	0	0	0	0	0	0	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	2	0	0	0	0	0	0	0	0	0	23	5	30
1800	1	0	0	1—10	0	0	0	0	0	0	0	0	4	19	3	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	0	0	0	0	0	0	0	0	4	19	4	2	29
2100	0	0	0	1—10	0	0	0	0	0	0	0	0	1	21	7	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	1	21	7	1	30

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

LUXOR (A) — NOVEMBER 1963

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	0	1	1	0	0	2	3	3	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	0	1	1	0	0	2	3	3	0	0	0	1	11
0300	21	0	0	1—10	1	1	1	0	1	0	4	1	0	0	0	0	9
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	1	0	1	0	4	1	0	0	0	0	9
0600	21	0	0	1—10	0	2	0	0	1	1	1	1	2	0	1	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	2	0	0	1	1	1	1	2	0	1	0	9
0900	4	0	0	1—10	4	5	3	0	0	0	0	1	3	0	1	7	24
				11—27	0	0	0	0	1	0	0	0	0	0	0	1	2
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	5	3	0	1	0	0	1	3	0	1	8	26
1200	3	0	0	1—10	6	5	0	1	0	0	0	0	0	2	2	10	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	6	5	0	1	0	0	0	0	0	2	2	11	27
1500	11	0	0	1—10	7	1	1	0	0	0	0	0	0	2	1	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	7	1	1	0	0	0	0	0	0	2	1	7	19
1800	13	0	0	1—10	0	1	0	1	1	0	5	0	2	1	3	3	17
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	0	1	1	0	5	0	2	1	3	3	17
2100	12	0	0	1—10	1	1	1	0	1	2	5	4	1	0	0	1	17
				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	1	1	0	2	2	5	4	1	0	0	1	18

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

ASWAN (A) — NOVEMBER 1963

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	13	7	0	0	0	0	0	0	0	0	0	1	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	17	8	0	0	0	0	0	0	0	0	0	2	27
0030	0	0	0	1—10	17	9	0	0	0	0	0	0	0	0	0	0	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	20	10	0	0	0	0	0	0	0	0	0	0	30
0600	0	0	0	1—10	7	15	1	0	0	0	0	0	0	0	0	2	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	10	17	1	0	0	0	0	0	0	0	0	2	30
0900	0	0	0	1—10	3	15	5	0	0	0	0	0	0	0	0	0	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	5	20	5	0	0	0	0	0	0	0	0	0	30
1200	1	0	0	1—10	5	14	0	0	0	0	0	0	0	0	2	2	23
				11—27	2	3	1	0	0	0	0	0	0	0	0	0	6
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	17	1	0	0	0	0	0	0	0	2	2	29
1500	0	0	0	1—10	13	6	0	0	0	0	0	0	0	0	1	2	22
				11—27	4	3	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	17	9	0	0	0	0	0	0	0	0	1	3	30
1800	0	0	0	1—10	13	2	0	0	0	0	0	0	0	0	0	3	18
				11—27	9	3	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	22	5	0	0	0	0	0	0	0	0	0	3	30
2100	1	0	0	1—10	15	7	0	0	0	0	0	0	0	0	0	2	24
				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	19	8	0	0	0	0	0	0	0	0	0	2	29

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

SIWA — NOVEMBER 1963

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	0	0	0	2	0	0	1	1	0	3	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	0	0	0	2	0	0	1	1	0	3	0	0	7
0300	24	0	0	1—10	0	1	2	0	0	0	1	0	0	0	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	0	1	2	0	0	0	1	0	0	0	2	0	6
0600	26	0	0	1—10	0	0	1	0	0	0	0	0	1	1	1	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	0	0	1	0	0	0	0	0	1	1	1	0	4
0900	6	0	0	1—10	0	0	0	2	2	0	4	1	2	8	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	0	0	0	2	2	0	4	1	2	8	1	3	24
1200	1	0	0	1—10	2	4	2	0	0	2	0	2	3	4	5	2	26
				11—27	1	0	0	0	0	0	0	0	0	0	2	0	3
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	4	2	0	0	2	0	2	3	4	7	2	29
1500	4	0	0	1—10	4	2	1	1	0	0	0	1	0	5	8	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	4	2	1	1	0	0	0	1	0	5	8	4	26
1800	16	0	0	1—10	1	0	0	0	0	0	2	1	1	4	3	1	13
				11—27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	0	0	0	2	1	1	4	3	1	14
2100	21	0	0	1—10	0	1	3	1	0	0	0	0	0	1	1	1	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	0	1	3	1	0	0	0	0	0	2	1	1	9

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

BAHARIYA — NOVEMBER 1963

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	17	0	0	1—10	4	6	0	0	0	0	0	0	0	0	0	2	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	4	6	0	0	0	0	0	0	0	0	1	2	13
0300	16	0	0	1—10	0	4	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	0	4	0	0	0	0	0	0	0	0	0	0	4
0600	24	0	0	1—10	1	4	0	1	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	1	4	0	1	0	0	0	0	0	0	0	0	6
0900	4	0	0	1—10	7	10	4	0	0	0	0	0	0	1	1	2	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	11	4	0	0	0	0	0	0	1	1	2	26
1200	1	0	0	1—10	9	11	1	0	0	0	0	0	0	0	2	3	26
				11—27	1	1	0	0	0	0	0	0	0	0	1	0	3
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	12	1	0	0	0	0	0	0	0	3	3	29
1500	2	0	0	1—10	12	7	1	0	0	0	0	0	0	0	1	7	28
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	7	1	0	0	0	0	0	0	0	1	7	28
1800	11	0	0	1—10	11	4	0	0	0	0	0	0	0	0	1	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	11	4	0	0	0	0	0	0	0	0	1	3	19
2100	11	0	0	1—10	7	6	0	0	0	0	0	0	0	1	1	1	16
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	6	0	0	0	0	0	0	0	1	1	1	16

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

DAKHLA — NOVEMBER 1963

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	1	0	0	0	1	0	1	12	9	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	0	1	1	0	0	0	1	0	1	12	9	4	29
0300	4	0	0	1—10	0	0	1	0	0	0	0	0	3	10	8	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	0	1	1	0	0	0	0	0	3	10	8	3	26
0600	1	0	0	1—10	1	0	2	0	1	0	0	0	1	7	11	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	1	0	2	0	1	0	0	0	1	7	11	6	29
0900	0	0	0	1—10	3	4	4	0	0	0	0	0	0	1	3	11	26
				11—27	2	0	0	0	0	0	0	0	0	0	0	0	2
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	4	4	0	0	0	0	0	0	1	3	11	30
1200	0	0	0	1—10	15	4	1	0	0	0	0	0	0	0	3	7	30
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	4	1	0	0	0	0	0	0	0	3	7	30
1500	0	0	0	1—10	17	5	0	0	0	0	0	0	0	0	0	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	17	5	0	0	0	0	0	0	0	0	0	8	30
1800	0	0	0	1—10	3	2	0	0	0	0	0	0	0	0	12	13	30
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	2	0	0	0	0	0	0	0	0	12	13	30
2100	0	0	0	1—10	1	1	0	0	0	0	1	1	3	4	16	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	1	1	0	0	0	0	1	1	3	4	16	3	30

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

KHARGA — NOVEMBER 1963

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	13	0	0	0	0	0	0	0	0	0	0	1	14
				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	0	0	0	0	0	0	0	0	0	0	1	16
0300	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
0600	17	0	0	1—10	11	1	0	0	0	0	0	0	0	0	0	0	12
				11—27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	1	0	0	0	0	0	0	0	0	0	0	13
0900	1	0	0	1—10	19	7	0	0	0	0	0	0	0	0	0	0	26
				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	22	7	0	0	0	0	0	0	0	0	0	0	29
1200	1	0	0	1—10	23	4	0	0	0	0	0	0	0	0	0	0	27
				11—27	2	0	0	0	0	0	0	0	0	0	0	0	2
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	25	4	0	0	0	0	0	0	0	0	0	0	29
1500	5	0	0	1—10	[illegible]	0	0	0	0	0	0	0	0	0	0	1	25
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	24	0	0	0	0	0	0	2	0	0	0	1	25
1800	8	0	0	1—10	22	0	0	0	0	0	0	0	0	0	0	0	22
				11—27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	22	0	0	0	0	0	0	0	0	0	0	0	22
2100	16	0	0	1—10	12	0	0	0	0	0	0	0	0	0	0	1	13
				11—27	1	0	0	0	0	0	0	0	0	0	0	0	1
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	0	0	0	0	0	0	0	0	0	0	1	14

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

HURGHADA — NOVEMBER 1963

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	3	7	0	10
				11—27	0	0	0	0	0	0	0	0	0	11	8	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	0	0	0	0	0	0	0	0	14	15	1	30
0300	0	0	0	1—10	0	0	0	0	0	0	0	0	0	5	5	0	10
				11—27	0	0	0	0	0	0	0	0	0	11	9	0	20
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	0	0	16	14	0	30
0600	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	7	17	1	25
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	0	0	9	20	1	30
0900	0	0	0	1—10	0	0	0	0	0	0	0	0	0	0	1	0	1
				11—27	0	0	0	0	0	0	0	0	0	0	1	28	29
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	0	0	0	2	28	30
1200	0	0	0	1—10	7	0	0	0	0	0	0	0	0	0	0	5	12
				11—27	6	0	0	0	0	0	0	0	0	0	0	12	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	0	0	0	0	0	0	0	0	0	0	17	30
1500	0	0	0	1—10	4	0	1	0	0	0	0	0	0	1	1	10	17
				11—27	0	0	0	0	0	0	0	0	0	0	0	13	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	1	0	0	0	0	0	0	1	1	23	30
1800	1	0	0	1—10	0	0	0	0	0	0	0	0	1	2	8	0	11
				11—27	0	0	0	0	0	0	0	0	0	0	13	5	18
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	0	1	2	21	5	29
2100	0	0	0	1—10	0	0	0	0	0	0	0	0	0	6	5	0	11
				11—27	0	0	0	0	0	0	0	0	0	13	6	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	19	11	0	30

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

QUSEIR — NOVEMBER 1963

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	1	7	10	2	20
				11—27	0	0	0	0	0	0	0	0	0	0	6	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	1	7	16	5	29
0300	0	0	0	1—10	0	0	0	0	0	0	0	0	0	6	12	1	19
				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	6	21	3	30
0600	0	0	0	1—10	0	0	0	0	0	0	0	0	0	5	8	1	14
				11—27	1	0	0	0	0	0	0	0	0	0	7	8	16
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	0	0	0	5	15	9	30
0900	0	0	0	1—10	1	0	0	0	0	0	0	0	0	0	0	2	3
				11—27	4	0	0	0	0	0	0	0	0	0	0	23	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	5	0	0	0	0	0	0	0	0	0	0	25	30
1200	0	0	0	1—10	5	1	0	0	0	0	0	0	0	0	0	0	6
				11—27	15	0	0	0	0	0	0	0	0	0	0	9	24
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	20	1	0	0	0	0	0	0	0	0	0	9	30
1500	0	0	0	1—10	11	0	1	0	0	0	0	0	0	0	0	7	19
				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	14	0	1	0	0	0	0	0	0	0	1	14	30
1800	0	0	0	1—10	0	0	0	0	0	0	0	0	1	13	14	1	29
				11—27	0	0	0	0	0	0	0	0	0	0	1	0	1
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	0	1	13	15	1	30
2100	0	0	0	1—10	0	0	0	0	0	0	0	0	1	16	7	0	24
				11—27	0	0	0	0	0	0	0	0	0	0	5	1	6
				28—47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	0	0	0	0	0	0	1	16	12	1	30

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH(A) — 0000 U.T. — NOVEMBER 1963

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	1015mb.	1021mb.	1012mb.	30	13.0	20.5	11.5	30	12.5
1000	30	175	223	145	30	16.7	19.8	11.4	30	12.2
850	30	1547	1589	1503	30	10.0	13.3	6.5	25	3.6
700	30	3136	3177	3086	30	2.3	6.1	— 2.7	10	— 9.3
600	30	4365	4413	4283	30	— 5.3	— 1.3	—10.4	11	—16.9
500	30	5773	5837	5675	30	—14.8	—11.8	—21.3	7	—24.6
400	30	7419	7505	7305	30	—27.6	—24.4	—32.8	4	—33.9
300	30	9424	9529	9280	30	—42.9	—38.4	—45.0	—	—
200	30	12062	12137	11968	30	—57.9	—51.0	—62.0	—	—
150	30	13856	13944	13783	29	—62.0	—58.8	—70.3	—	—
100	24	16329	16449	16261	24	—67.8	—64.5	—73.7	—	—
60	16	19451	19576	19379	16	—63.1	—59.1	—67.2	—	—
40	14	21977	22134	21879	14	—58.3	—54.0	—64.4	—	—
30	7	23830	23898	23712	7	—51.2	—47.5	—53.4	—	—
20	4	26525	26572	26447	4	—45.4	—43.5	—49.0	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 1200 U T. — NOVEMBER 1963

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	1015mb.	1020mb.	1012mb.	30	21.5	23.2	19.7	30	14.0
1000	30	175	217	148	30	20.1	22.3	18.2	30	13.1
850	30	1549	1590	1518	30	10.3	14.1	6.6	25	1.2
700	30	3142	3187	3084	30	2.5	5.2	2.8	10	—10.3
600	30	4377	4426	4306	30	— 5.0	— 1.2	—12.7	5	—17.1
500	30	5777	5843	5651	30	—14.9	—11.2	—21.6	7	—24.6
400	30	7427	7497	7277	30	—27.3	—23.0	—32.2	5	—33.0
300	30	9434	9525	9263	30	—43.7	—37.2	—46.2	—	—
200	30	12080	12188	11911	30	—57.4	—49.4	—62.1	—	—
150	30	13874	13984	13 97	30	—62.5	—58.9	—65.9	—	—
100	27	16349	16416	16171	27	—66.5	—62.4	—70.0	—	—
60	13	19451	19509	19395	13	—64.0	—60.0	—75.7	—	—
40	5	21982	22039	21890	5	—56.2	—54.2	—57.7	—	—
30	4	23842	23894	23743	4	—49.4	—48.0	—50.7	—	—
20	1	26612	—	—	1	—38.7	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN — 0000 U.T. — NOVEMBER 1963

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.*	1006mb.*	997mb.*	30	17.0	19.4	14.4	30	13.0
1000	30	147	190	116	22	17.1	19.4	14.4	22	13.0
850	30	1527	1553	1486	30	12.5	15.8	8.4	21	1.0
700	30	3128	3177	3068	30	4.0	8.1	− 1.7	6	− 9.4
600	30	4363	4427	4283	30	− 3.9	0.8	− 8.8	4	−16.5
500	30	5778	5849	5716	30	−13.7	− 9.3	−17.0	5	−25.0
400	30	7132	7506	7304	30	−26.2	−21.1	−31.1	4	−32.0
300	30	9455	9538	9296	30	−41.2	−36.5	−45.2	—	—
200	29	12102	12222	11984	29	−57.1	−50.1	−62.3	—	—
150	29	13801	14002	13783	29	−62.3	−59.9	−66.8	—	—
100	29	16364	16439	16259	29	−68.0	−62.0	−73.6	—	—
60	27	19453	19602	193[illegible]	27	−64.1	−58.6	−70.6	—	—
40	21	21989	22196	21748	21	−56.6	−52.2	−60.2	—	—
30	16	23870	24070	23715	16	−51.0	−47.7	−56.1	—	—
20	13	26719	26782	26398	13	−46.4	−41.1	−51.0	—	—
10	3	31212	31290	31113	3	−40.7	−37.0	−41.9	—	—

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 1963

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 . .	29	1000mb*	1006mb*	997mb*	29	24.3	28.0	21.0	29	10.3
1000	29	139	17[illegible]	11[illegible]	13	23.[illegible]	2[illegible]	21.3	13	9.7
850	29	1527	155[illegible]	1493	29	12.[illegible]	16.6	[illegible].6	2[illegible]	0.4
700	29	3127	3171	307[illegible]	29	3.7	7.3	− 2.2	9	− 5.3
600	29	43[illegible]	4420	4304	29	− 3.9	0.0	− 9.3	6	− 17.0
500	29	5775	5843	5710	29	−13.8	−10.0	−18.1	6	− 24.3
400	29	7[illegible]32	7499	73[illegible]	29	−25.8	−21.3	−30.0	2	27.8
300	28	9452	953[illegible]	9579	28	−40.[illegible]	−35.6	−44.3	1	−40.8
200	28	12109	12176	12024	28	−5[illegible]	−49.[illegible]	−65.3	—	—
150	27	13908	13997	13827	27	−62.0	−58.1	−67.0	—	—
100	22	16372	164[illegible]0	16521	22	−68.1	−63.3	−72.9	—	—
60	18	19475	195[illegible]2	19384	18	−62.2	−57.1	−65.3	—	—
40	18	2199[illegible]	22190	21923	18	−55.[illegible]	−51.8	−61.[illegible]	—	—
30	15	23889	24070	23732	15	−49.[illegible]	−45.5	−6[illegible].0	—	—
20	6	26[illegible]27	26627	26284	6	−4[illegible].0	−39.7	−58.0	—	—
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 1963

Pressure surface (millibar)	Altitude of pressure surfaces (gpm.)				Temperature (°C)				Dew point (C°)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station . .	29	* 991mb.	* 994mb.	* 987mb.	29	17.5	20.8	15.0	29	3.7
1000	—	—	—	—	—	—	—	—	—	—
850	29	1496	1513	1465	29	12.1	17.2	6.0	28	— 1.5
700	29	3096	3136	3048	29	4.0	7.7	— 0.7	8	— 9.3
600	29	4335	4386	4281	29	— 2.4	2.6	— 5.0	1	— 8.3
500	29	5757	5828	5697	29	—12.1	— 7.1	—15.4	4	—17.4
400	29	7427	7538	7330	29	—24.0	—14.8	—28.9	4	—34.5
300	29	9463	9633	9351	29	—39.5	—30.9	—43.9	—	—
200	29	12126	12403	11969	29	—57.5	—48.4	—60.6	—	—
150	28	13914	14247	13747	28	—66.2	—60.3	—69.6	—	—
100	26	16316	16718	16155	26	—74.0	—65.8	—79.8	—	—
60	17	19335	19777	19192	17	—66.5	—62.8	—76.2	—	—
40	12	21829	22240	21586	12	—62.0	—54.3	—81.6	—	—
30	7	23794	24019	23586	7	—53.5	—50.3	—61.0	—	—
20	7	26382	26574	26214	7	—51.3	—46.2	—58.5	—	—
10	4	30858	31082	30704	4	—43.0	—38.5	—46.4	—	—

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 1963

Pressure surface (millibar)	Altitude of pressure surfaces (gpm.)				Temperature (°C)				Dew point (°C)	
	N	Mean	Highest	Lowest	N	Mean	Highest	Lowest	N	Mean
Surface of station . .	29	* 990mb.	* 994mb.	* 987mb.	29	29.8	34.0	26.1	29	7·3
1000	—	—	—	—	—	—	—	—	—	
850	29	1518	1532	1494	29	16.0	22.2	10.4	28	—
700	29	3140	3228	3098	29	7.1	11.2	3.0	4	— 2.6
600	28	4399	4472	4340	28	0.0	2.1	— 2.7	—	—11.4
500	28	5829	5909	5785	28	— 9.4	— 2.4	—12.2	—	—
400	28	7521	7634	7442	28	—20.5	—14.1	—25.8	—	—
300	28	9586	9757	9465	28	—37.0	—27.6	—42.2	—	—
200	28	12284	12567	12125	28	—55.3	—45.6	—58.2	—	—
150	28	14086	14440	13907	28	—64.0	—59.2	—68.4	—	—
100	25	16532	16990	16338	25	—70.5	—60.6	—75.7	—	—
60	13	19559	19656	19502	13	—66.5	—61.1	—74.0	—	—
40	6	22107	22218	22032	6	—54.3	—48.0	—59.4	—	—
30	4	23906	24098	23897	4	—48.6	—46.8	—51.0	—	—
20	2	26651	26723	26579	2	—43.6	—41.6	—45.7	—	—
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 1963

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)	3519 (30)	668 (30)	—10.6 (12)	4200	616	—	2570	750	— 4.6	12795 (27)	183 (27)	—61.8 (27)	16433	100	-67.0	10800	243	—53.1	13940	147	270	133
Helwan	3790 (30)	641 (30)	—11.2 (7)	4510	586	—	2770	725	— 6.2	13879 (29)	157 (29)	—64.5 (29)	16439	100	—69.2	10930	236	—59.4	10720	246	280	138
Aswan . . . (A)	3893 (29)	635 (29)	— —	4610	580	—14.2	3000	706	—	15353 (20)	122 (20)	—72.6 (20)	17150	87	—71.9	13100	170	—69.0	11200	228	270	150

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

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 1963

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)										
Marsa Matruh (A)	3528 (30)	665 (30)	— 7.9 (8)	4200	615	—	2460	758	— 5.0	13271 (28)	167 (28)	—63.2 (28)	16410	100	— 68.8	11290	227	—58.1	14100	143	270	136
Helwan	3688 (29)	652 (29)	—10.0 (7)	4363	600	—	2700	736	— 7.0	14101 (24)	156 (24)	—64.1 (24)	16395	100	—69.8	11580	215	—55.9	10500	256	260	130
Aswan . . . (A)	4454 (28)	597 (28)	— —	5320	535	—	3770	654	—	15070 (21)	122 (21)	—70.2 (21)	16556	100	—75.2	11570	220	—56.8	10400	264	270	125

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

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 1963

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	13	1	9	2	6	0	—	0	—	0	—	3	6	5	7	5	7	7	10	0	—	1	9	5	30	7
1000	1	13	2	8	1	8	1	2	0	—	0	—	2	8	4	6	6	8	7	10	0	—	1	9	5	30	7
850	4	10	6	11	1	10	1	4	0	—	0	—	0	—	2	11	2	8	5	14	4	7	4	10	1	30	10
700	3	9	2	8	0	—	1	3	0	—	1	2	0	—	4	14	2	7	6	20	5	13	6	9	0	30	12
600	3	7	2	14	1	5	0	—	0	—	0	—	0	—	0	—	3	18	11	16	5	14	5	13	0	30	14
500	4	12	2	18	0	—	0	—	0	—	1	7	0	—	1	23	4	24	8	25	5	8	5	21	0	30	18
400	2	26	1	18	0	—	0	—	0	—	0	—	1	4	1	52	3	29	8	32	7	22	7	16	0	30	25
300	3	24	0	—	0	—	0	—	0	—	0	—	0	—	2	50	3	56	10	42	6	24	5	22	0	29	35
200	1	34	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	41	13	54	4	32	6	31	0	26	43
150	1	38	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	40	12	52	3	24	3	28	0	21	43
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	11	39	1	26	2	24	0	14	36
60	0	—	0	—	0	—	0	—	0	—	—	—	0	—	0	—	0	—	9	21	1	13	1	10	0	11	19
40	0	—	0	—	0	—	0	—	0	—	—	—	0	—	0	—	1	12	3	16	2	20	0	—	0	6	17
30	0	—	0	—	0	—	0	—	0	—	—	—	0	—	0	—	0	—	4	24	0	—	0	—	0	4	24
20	0	—	0	—	0	—	0	—	0	—	—	—	0	—	0	—	1	18	1	32	0	—	0	—	0	2	25
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	13	9	5	10	2	8	0	—	0	—	0	—	0	—	0	—	1	2	1	8	4	14	4	8	0	30	9
1000	11	10	4	11	2	6	0	—	0	—	0	—	0	—	0	—	1	2	1	8	5	14	6	7	0	30	9
850	3	10	5	4	1	6	0	—	1	2	0	—	1	2	1	11	3	17	1	14	4	15	9	6	1	30	8
700	7	11	2	14	2	6	0	—	0	—	0	—	0	—	1	12	6	22	3	8	3	14	6	10	0	30	13
600	3	19	0	—	2	7	0	—	0	—	0	—	0	—	2	14	2	36	6	22	7	12	8	10	0	30	16
500	4	15	0	—	1	13	1	5	0	—	0	—	0	—	3	26	4	24	7	22	4	17	6	18	0	30	19
400	5	9	0	—	0	—	0	—	0	—	0	—	0	—	1	3	3	37	8	32	6	22	7	31	0	30	25
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	45	9	56	8	22	8	20	1	29	34
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	12	45	10	37	3	32	1	26	39
150	1	25	1	23	0	—	0	—	0	—	0	—	0	—	0	—	2	43	14	54	6	36	1	21	0	25	45
100	1	90	0	—	0	—	0	—	0	—	0	—	0	—	1	26	0	—	9	31	6	32	1	24	0	18	34
60	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	20	2	14	0	—	0	—	0	4	17
40	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	13	1	8	0	—	0	—	0	3	11
30	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	17	0	—	0	—	0	1	17
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

Table B 8.—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 1963

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	10	14	13	1	12	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	4	4	30	10
1000	5	11	14	13	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	4	2	22	11
850	2	6	9	13	3	9	0	—	3	7	1	44	1	11	0	—	2	14	0	—	5	16	4	6	0	30	13
700	6	11	1	17	2	8	1	9	0	—	1	8	0	—	2	10	3	15	6	15	5	13	3	10	0	30	12
600	4	14	1	15	1	10	0	—	0	—	0	—	0	—	1	25	5	21	7	23	8	12	3	25	0	30	18
500	1	22	1	14	1	7	0	—	0	—	0	—	0	—	1	7	3	36	5	37	11	23	7	26	0	30	26
400	2	16	1	29	0	—	0	—	0	—	0	—	0	—	0	—	5	37	8	39	10	25	3	22	0	29	30
300	2	15	1	35	0	—	0	—	0	—	0	—	0	—	1	18	1	23	12	60	9	31	1	12	0	27	41
200	1	32	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	9	11	59	10	51	1	19	0	24	51
150	1	33	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	23	15	61	3	26	1	30	0	22	50
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	10	51	8	29	0	—	0	18	41
60	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	29	1	30	5	30	1	17	0	—	0	8	28
40	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	19	0	—	0	—	0	5	19
30	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	28	1	32	0	—	0	3	29
20	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	18	0	—	0	—	0	2	18
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	14	11	3	13	0	—	0	—	0	—	0	—	1	11	1	8	0	—	5	9	0	—	1	29	10
1000	0	—	8	12	3	13	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	9	0	—	0	13	12
850	2	12	6	11	5	8	2	8	2	6	2	5	1	5	1	2	1	14	2	15	4	10	1	8	0	29	9
700	5	14	3	10	2	4	2	8	0	—	1	11	2	9	4	13	0	—	6	19	1	11	3	10	0	29	12
600	4	14	1	28	2	12	0	—	0	—	0	—	0	—	0	—	9	18	5	23	3	15	5	19	0	29	18
500	3	23	0	—	1	12	0	—	0	—	0	—	0	—	0	—	5	28	8	34	7	14	5	26	0	29	24
400	0	—	1	10	0	—	0	—	0	—	0	—	0	—	0	—	4	36	9	39	7	27	7	21	0	28	30
300	1	16	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	88	14	45	5	34	5	39	0	27	44
200	1	40	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	73	14	56	5	46	1	18	0	23	53
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	29	12	51	3	44	0	—	0	17	47
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	42	3	24	0	—	0	11	38
60	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	24	1	22	5	20	1	14	0	—	0	8	20
40	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	13	5	13	1	18	0	—	0	7	14
30	0	—	0	—	—	—	0	—	—	—	0	—	0	—	0	—	2	14	4	24	0	—	0	—	0	6	20
20	0	—	0	—	—	—	0	—	—	—	0	—	0	—	0	—	1	42	2	30	0	—	0	—	0	3	34
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	21	13	7	11	1	8	0	—		—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	29	12
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	1	12	11	15	3	7	2	7	4	6	2	4	0	—	0	—	1	21	2	8	1	15	2	12	0	29	11
700	2	8	3	10	0	—	0	—	0	—	0	—	1	18	0	—	9	11	4	19	5	8	5	10	0	29	11
600	1	14	1	7	0	—	0	—	0	—	0	—	0	—	0	—	6	15	9	22	7	14	3	13	2	29	15
500	1	9	0	—	0	—	1	2	0	—	0	—	0	—	0	—	4	26	16	29	6	26	1	7	0	29	25
400	0	—	1	5	0	—	0	—	0	—	0	—	0	—	0	—	4	37	20	43	3	27	1	9	0	29	38
300	1	9	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	42	15	54	4	34	1	31	0	28	46
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	70	16	62	2	35	0	—	0	25	62
150	0	—	0	—	0	—	0	—	0	—	1	84	0	—	0	—	3	90	15	53	2	46	0	—	0	21	64
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	35	5	56	1	53	0	—	0	7	52
60	0	—	0	—	0	—	1	15	0	—	0	—	0	—	0	—	0	—	0	—	1	22	0	—	0	2	18
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

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 1963

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	5	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	3	3	7	5	29	6
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	0	—	1	9	5	10	5	4	2	4	4	4	2	4	0	—	0	—	1	13	3	11	5	9	1	29	7
700	1	6	1	11	1	14	3	6	0	—	2	6	1	8	1	13	3	19	4	11	5	13	2	6	5	29	9
600	1	9	2	4	1	6	0	—	0	—	0	—	0	—	2	10	4	23	5	25	6	16	5	10	2	28	15
500	0	—	0	—	0	—	1	4	0	—	0	—	0	—	0	—	5	33	15	27	5	17	1	20	1	28	24
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	2	2	24	21	42	3	30	1	17	0	28	37
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	65	19	46	6	34	0	—	0	26	44
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	78	14	59	4	36	0	—	0	20	56
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	74	9	40	6	47	0	—	0	16	45
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	2	26	0	—	0	—	0	2	26
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

REVIEW OF AGRO-METEOROLOGICAL STATIONS

GIZA — NOVEMBER 1963

The mean air temperature and relative humidity for Giza at 2 metres above ground were about the normal values for November.

The month was distinguished by two remarkable cold spells of short duration (1st-4th) and (26th-28th) as well as a diffused prolonged cold wave (7th-16th). The peak of the first took place on the 3rd. The lowest maximum temperature for the month was recorded on the 27th. A fourth cold wave started on the 30th, where the absolute values, for air minimum temperatures at 2 metres and 5 cms. above ground level over dry, wet and grass fields were observed as well as the lowest minimum of soil temperatures at the different depths in the three fields. Also minor warm spells were experienced during the periods (4th-7th), (16th-20th) and (24th-26th).

For the air temperature at 5 cms above ground level, the absolute minima were also lower than those of November 1962 by 3.9, 3.4 and 3.6°C forthe dry, wet and grass fields respectively.

The extreme maxima for soil temperature at the different depths were all lower than those of last November for the dry, wet and grass fields. The deviations for the dry field were 9.3°C at 0.3 cm. depth, 10.3°C at 1 cm., decreasing gradually with increasing depth to 0.1°C at 100 cms. With regard to the wet and grass fields, the differences vary from 3.9°C to 0.1°C for the different depths.

The extreme minima for soil temperature were also lower than those of November 1962 by less than 3.6°C for the dry field, 2.0°C for the wet field and 1.5°C for the grass field at the different depths.

The means for wind speed at 2 metres were lower than those of last November by 0.2, 0.3 and 0.1 m/sec. for the mean of the day, night mean and day time mean respectively.

The actual duration of bright sunshine was greater by 26.9 hours than that of November 1962 and also the total (solar+sky) radiation by 155 gm. cal./cm^3 .The mean piche evaporation, pan class A evaporation, total potential evaporation and total potential evapotranspiration for grass (Libia) were also less than those of November 1962 by 1.1, 0.18, 12.1 & 3.6 mms. respectively.

TAHRIR — NOVEMBER 1963

Compared with November 1962, this month was relatively cool, dry and stable.

With respect to air temperature at 2 metres above ground level, the means of the day, night time and day time were lower by 2.1, 2.0 and 2.4°Crespectively. Also the absolute maximum and minimum for the month were less by 10.2°C and 1.4°C. The cooling extended also to air temperature at 5 cms, above ground level, where the absolute minimum was lower by 1.2°C.

The reflection of the cooling to soil temperatures at the different depths in the dry field, was shown by the lower values of the extreme temperatures than those of November 1962; the deviations

for the absolute maxima for the month were 5.7°C at 0.3 cm. depth, 7.4°C at 1 cm. depth, 8.6°C at 2cms. depth and then decreasing gradually with increasing depths to 0.4°C at 100cms. depth. With regard to the absolute minima, the differences were varying between 0.2°C and 1.6°C for the various depths of the layers 0.3 to 100 cms. For further depths (2-6 metres), the maxima were slightly more by 0.1 to 0.3°C.

The dryness of the air at 2 metres above ground level was confirmed by the lower value of the mean relative humidity of the month by 4 % and also by the lower values of the mean vapour pressure of the day, the highest and lowest values by 1.7, 3.2 and 0.5 mms. respectively.

The stability of the weather elements manifests itself by the small range of variation of maximum temperature during the month, being 5°C in comparison with 12°C for November of the last year. Also the variation in the relative humidity was less since it had never fallen below 31% while last year it reached 14%.

The surface wind speeds at 2 metres exceeded slightly the corresponding values for 1962 by 0.1 to 0.3 m/sec.

Also the sunshine duration was more by 15 hours or 5 % of the possible duration.

The decrease in temperature and relative humidity together with the slight rise in wind speed had lead to no material change in the mean evaporation for piche tube, although class A pan showed slightly lower value (i.e.-0.48 mm.).

Scattered light showers had fallen during this month giving 0.2 mm. of rainfall compared with traces for the preceding November.

No abnormal weather phenomena were observed in this month apart from mist patches in some mornings and a single fog as well as one prefrontal duststorm.

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

GIZA — NOVEMBER 1963

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	28.2	13.3	20.4	18.2	23.7	24.0	24.0	24.0	24.0	19.0	12.5	6.0	0.0	0.0	0.0	0.0
2	26.2	12.6	19.1	17.3	23.0	24.0	24.0	24.0	24.0	18.0	10.5	1.0	0.0	0.0	0.0	0.0
3	24.6	11.7	19.1	16.9	20.8	24.0	24.0	24.0	24.0	17.5	11.5	0.0	0.0	0.0	0.0	0.0
4	26.3	13.3	20.1	18.6	21.5	24.0	24.0	24.0	24.0	21.0	13.0	3.0	0.0	0.0	0.0	0.0
5	28.5	14.0	21.1	19.3	23.2	24.0	24.0	24.0	24.0	21.0	13.0	6.0	0.0	0.0	0.0	0.0
6	28.0	14.5	20.4	19.4	22.1	24.0	24.0	24.0	24.0	24.0	12.5	4.0	0.0	0.0	0.0	0.0
7	27.3	16.4	20.9	19.9	22.4	24.0	24.0	24.0	24.0	24.0	13.0	5.0	0.0	0.0	0.0	0.0
8	26.4	15.1	20.4	19.6	22.4	24.0	24.0	24.0	24.0	24.0	12.0	3.0	0.0	0.0	0.0	0.0
9	26.0	13.8	19.7	18.4	21.8	24.0	24.0	24.0	24.0	22.5	12.0	0.5	0.0	0.0	0.0	0.0
10	25.4	12.7	19.1	17.8	21.3	24.0	24.0	24.0	24.0	19.5	10.5	0.0	0.0	0.0	0.0	0.0
11	25.5	14.6	19.4	17.9	21.5	24.0	24.0	24.0	24.0	24.0	10.5	0.0	0.0	0.0	0.0	0.0
12	24.7	11.2	17.9	16.6	20.4	24.0	24.0	24.0	24.0	16.0	9.0	0.0	0.0	0.0	0.0	0.0
13	25.3	11.3	18.3	16.4	20.8	24.0	24.0	24.0	24.0	16.0	10.0	0.0	0.0	0.0	0.0	0.0
14	26.1	12.4	18.6	16.5	21.0	24.0	24.0	24.0	24.0	16.0	10.5	0.5	0.0	0.0	0.0	0.0
15	25.3	12.4	18.7	17.1	21.1	24.0	24.0	24.0	24.0	18.5	10.0	0.0	0.0	0.0	0.0	0.0
16	25.6	12.8	18.9	17.0	21.3	24.0	24.0	24.0	24.0	17.5	10.0	0.5	0.0	0.0	0.0	0.0
17	25.9	12.8	19.5	17.7	21.8	24.0	24.0	24.0	24.0	18.5	12.0	2.0	0.0	0.0	0.0	0.0
18	26.5	13.9	20.0	17.9	22.7	24.0	24.0	24.0	24.0	20.0	13.0	3.0	0.0	0.0	0.0	0.0
19	25.0	14.6	20.0	18.9	21.9	24.0	24.0	24.0	24.0	23.5	13.0	0.5	0.0	0.0	0.0	0.0
20	25.2	13.6	19.1	18.2	21.0	24.0	24.0	24.0	24.0	20.5	11.0	0.0	0.0	0.0	0.0	0.0
21	25.0	12.7	18.5	17.6	20.8	24.0	24.0	24.0	24.0	19.5	9.5	0.0	0.0	0.0	0.0	0.0
22	24.4	11.7	18.3	16.2	20.6	24.0	24.0	24.0	24.0	17.0	10.0	0.0	0.0	0.0	0.0	0.0
23	24.2	14.3	18.7	18.4	20.9	24.0	24.0	24.0	24.0	23.0	7.5	0.0	0.0	0.0	0.0	0.0
24	26.1	11.7	18.0	15.2	21.7	24.0	24.0	24.0	24.0	15.5	8.5	0.5	0.0	0.0	0.0	0.0
25	25.3	11.1	17.7	15.3	20.1	24.0	24.0	24.0	24.0	16.5	9.0	0.0	0.0	0.0	0.0	0.0
26	23.9	13.2	18.0	16.7	20.5	24.0	24.0	24.0	24.0	16.0	9.0	0.0	0.0	0.0	0.0	0.0
27	21.8	13.8	16.8	15.9	18.9	24.0	24.0	24.0	24.0	14.0	6.5	0.0	0.0	0.0	0.0	0.0
28	23.7	11.2	16.9	15.1	19.1	24.0	24.0	24.0	24.0	15.0	6.5	0.0	0.0	0.0	0.0	0.0
29	25.0	9.4	14.8	15.3	17.5	24.0	24.0	24.0	23.0	10.0	4.5	0.0	0.0	0.0	0.0	0.0
30	24.0	8.1	15.1	11.6	19.1	24.0	24.0	24.0	18.0	12.0	6.0	0.0	0.0	0.0	0.0	0.0
31	—	—	—	—	—	—	—	—	—	—	—	0.0	0.0	0.0	0.0	0.0
Total	—	—	—	—	—	720.0	720.0	720.0	713.0	559.0	306.5	35.5	0.0	0.0	0.0	0.0
Mean	25.5	12.7	18.8	17.2	21.1	24.0	24.0	24.0	23.8	18.0	10.2	1.1	0.0	0.0	0.0	0.0

Highest Maximum at 2 Metres 28.5°C on 5th

Lowest Maximum at 2 Metres 21.8°C on 27th

Highest Minimum at 2 Metres 16.4°C on 7th

Lowest Minimum at 2 Metres 8.1°C on 30th

Absolute Minimum Temperature at 5 cms. Above Dry Soil 3.5 °C on 30th

" " " " " Wet Soil 4.8 °C on 30th

" " " " " Grass 2.6 °C on 30th

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

TAHRIR — NOVEMBER 1963

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	27.1	14.4	19.9	18.5	22.8	24.0	24.0	24.0	24.0	23.0	10.0	4.5	0.0	0.0	0.0	0.0
2	25.7	15.0	19.2	17.2	21.7	24.0	24.0	24.0	24.0	24.0	9.5	0.0	0.0	0.0	0.0	0.0
3	26.8	13.0	18.9	16.3	21.7	24.0	24.0	24.0	24.0	18.0	10.0	0.5	0.0	0.0	0.0	0.0
4	25.9	13.1	19.3	16.6	22.1	24.0	24.0	24.0	24.0	19.5	10.0	0.5	0.0	0.0	0.0	0.0
5	27.5	13.5	20.1	16.8	23.3	24.0	24.0	24.0	24.0	18.0	11.5	5.5	0.0	0.0	0.0	0.0
6	27.9	13.6	20.3	17.8	23.1	24.0	24.0	24.0	24.0	21.0	12.0	4.5	0.0	0.0	0.0	0.0
7	27.2	16.7	20.7	19.0	23.4	24.0	24.0	24.0	24.0	24.0	11.0	4.0	0.0	0.0	0.0	0.0
8	26.1	14.4	19.4	17.8	22.1	24.0	24.0	24.0	24.0	22.5	10.0	0.5	0.0	0.0	0.0	0.0
9	25.6	13.6	19.3	17.0	21.9	24.0	24.0	24.0	24.0	22.0	10.0	0.5	0.0	0.0	0.0	0.0
10	25.4	13.2	18.9	16.7	21.7	24.0	24.0	24.0	24.0	18.5	9.5	0.0	0.0	0.0	0.0	0.0
11	25.8	13.6	18.9	16.6	21.9	24.0	24.0	24.0	24.0	18.0	9.5	1.0	0.0	0.0	0.0	0.0
12	24.4	12.3	18.5	16.2	21.2	24.0	24.0	24.0	24.0	17.5	10.0	0.0	0.0	0.0	0.0	0.0
13	24.6	11.8	18.1	16.1	20.9	24.0	24.0	24.0	24.0	16.0	9.0	0.0	0.0	0.0	0.0	0.0
14	24.9	12.4	18.1	15.4	21.3	24.0	24.0	24.0	24.0	16.5	9.5	0.0	0.0	0.0	0.0	0.0
15	25.1	13.0	18.4	16.0	21.5	24.0	24.0	24.0	24.0	17.0	9.0	0.0	0.0	0.0	0.0	0.0
16	25.2	12.8	18.5	16.1	21.5	24.0	24.0	24.0	24.0	18.0	9.0	0.0	0.0	0.0	0.0	0.0
17	25.4	12.9	18.9	16.1	22.1	24.0	24.0	24.0	24.0	17.5	10.0	0.0	0.0	0.0	0.0	0.0
18	25.7	13.6	19.3	16.6	22.0	24.0	24.0	24.0	24.0	17.5	11.0	1.5	0.0	0.0	0.0	0.0
19	25.6	13.9	18.9	17.3	21.9	24.0	24.0	24.0	24.0	20.0	9.5	0.0	0.0	0.0	0.0	0.0
20	26.1	13.0	18.4	16.2	21.5	24.0	24.0	24.0	24.0	17.5	9.5	0.0	0.0	0.0	0.0	0.0
21	25.5	14.6	18.7	16.9	21.2	24.0	24.0	24.0	24.0	22.0	9.0	0.0	0.0	0.0	0.0	0.0
22	26.5	12.9	18.8	16.1	21.1	24.0	24.0	24.0	24.0	17.0	10.0	0.0	0.0	0.0	0.0	0.0
23	26.5	15.6	20.0	18.9	22.0	24.0	24.0	24.0	24.0	24.0	10.0	0.0	0.0	0.0	0.0	0.0
24	25.0	12.0	17.6	16.4	20.5	24.0	24.0	24.0	24.0	15.0	7.0	0.0	0.0	0.0	0.0	0.0
25	25.3	12.9	17.5	15.1	20.1	24.0	24.0	24.0	24.0	16.5	8.0	0.0	0.0	0.0	0.0	0.0
26	24.0	13.4	17.8	15.0	20.7	24.0	24.0	24.0	24.0	15.0	8.0	0.0	0.0	0.0	0.0	0.0
27	23.2	10.4	16.5	14.0	19.8	24.0	24.0	24.0	24.0	13.0	7.5	0.0	0.0	0.0	0.0	0.0
28	23.4	10.3	16.6	14.2	19.8	24.0	24.0	24.0	24.0	12.5	7.0	0.0	0.0	0.0	0.0	0.0
29	26.1	8.4	15.8	13.2	19.3	24.0	24.0	24.0	21.0	13.0	7.0	0.0	0.0	0.0	0.0	0.0
30	23.3	9.7	16.3	13.3	19.1	24.0	24.0	24.0	23½	15.5	6.5	0.0	0.0	0.0	0.0	0.0
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	720.0	720.0	720.0	716½	549.5	279.5	23.0	0.0	0.0	0.0	0.0
Mean	25.4	13.0	18.6	16.3	21.4	24.0	24.0	24.0	23.9	18.3	9.3	0.8	0.0	0.0	0.0	0.0

Highest Maximum at 2 Metres 27.9°C on 6th — Highest Minimum at 2 Metres 16.7°C on 7th

Lowest Maximum at 2 Metres 23.2°C on 27th — Lowest Minimum at 2 Metres 8.4°C on 29th

Absolute Minimum Temperature at 5 cms. Above Dry Soil 6.2 °C 29th

" " " " " 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 1963

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		mount of rainfall ni 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	1.6	0.8	2.9	365	9.8	11.0	89	0	4	64	33	10.4	8.6	11.1	6.02	tr
2	1.8	0.8	3.2	365	9.6	11.0	87	2	7	71	40	10.8	9.6	10.6	5.72	0.0
3	1.4	0.7	2.4	337	9.2	11.0	84	0	7	78	53	11.7	11.7	8.2	5.02	0.0
4	2.3	1.7	3.2	345	10.0	11.0	91	4	8	76	40	11.4	9.7	12.6	6.55	0.0
5	2.8	2.6	3.1	342	9.8	10.9	90	3	10	75	33	11.5	9.3	11.4	5.01	0.0
6	2.3	2.1	2.6	238	4.9	10.9	45	9	13	87	50	13.8	13.2	7.3	3.48	0.0
7	2.2	1.7	2.9	285	7.2	10.8	67	9	12	85	49	13.7	12.7	8.5	4.04	0.0
8	2.7	2.3	3.2	327	9.7	10.8	90	4	11	78	55	13.3	13.2	8.3	5.01	0.0
9	2.1	1.5	3.1	325	9.2	10.8	85	5	10	78	50	12.3	11.7	9.1	5.59	0.0
10	2.1	1.5	3.1	326	9.1	10.8	84	3	9	72	47	11.3	10.9	8.8	5.25	0.0
11	1.9	1.3	2.9	325	9.3	10.8	86	5	8	80	49	12.1	11.1	7.7	4.25	0.0
12	1.6	0.8	2.9	335	9.5	10.7	89	7	9	75	46	10.5	10.1	9.1	5.22	0.0
13	1.8	0.8	3.1	312	9.8	10.7	92	3	9	78	52	11.7	11.9	8.4	4.48	0.0
14	1.8	1.2	2.7	304	9.5	10.7	89	6	10	80	51	11.9	12.0	7.3	4.27	0.0
15	0.7	1.0	0.3	312	9.6	10.6	91	6	11	82	53	12.0	11.8	7.1	4.07	0.0
16	1.8	0.8	3.2	301	9.2	10.6	87	7	9	80	53	12.3	12.3	7.7	4.96	0.0
17	2.4	1.6	3.4	333	9.6	10.6	91	5	10	83	52	12.4	12.4	8.2	5.01	0.0
18	2.3	1.5	3.4	324	9.4	10.6	89	6	12	82	57	13.7	13.9	7.5	4.98	0.0
19	2.3	1.7	3.2	290	9.3	10.6	88	5	11	81	59	13.6	13.8	6.7	4.90	0.0
20	1.7	1.3	2.3	271	8.8	10.6	83	7	11	80	54	12.6	11.8	6.1	3.68	0.0
21	1.2	0.6	2.2	292	8.9	10.6	84	7	11	80	51	11.8	11.1	5.9	3.54	0.0
22	0.8	0.2	1.7	247	6.8	10.5	65	7	10	80	54	12.3	11.6	5.3	2.63	0.0
23	1.0	0.7	1.5	215	6.1	10.5	58	5	13	86	58	12.4	12.3	4.1	2.85	tr
24	0.7	0.0	1.7	272	7.7	10.5	73	7	12	80	45	10.8	9.8	6.0	3.28	0.0
25	0.7	0.2	1.5	277	8.9	10.5	85	7	8	76	52	11.6	11.8	5.2	3.38	0.0
26	1.7	0.9	2.8	264	9.4	10.4	90	8	11	80	50	11.4	10.6	6.9	3.61	0.0
27	1.7	1.1	2.5	277	9.5	10.4	91	6	10	79	54	10.3	10.1	5.7	3.21	0.0
28	1.4	0.5	2.7	301	9.6	10.4	92	7	9	78	46	10.0	9.5	6.9	4.14	0.0
29	1.3	1.4	1.1	274	7.2	10.4	69	11	14	94	48	9.9	10.3	2.8	2.29	0.0
30	1.2	0.1	2.6	325	9.4	10.4	90	7	8	66	30	7.4	6.4	9.7	4.29	tr
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	9106	266.0	321.0	2994	168	297	—	—	—	—	230.2	130.63	tr
Mean	1.7	1.1	2.6	304	8.9	10.7	83	5.6	9.7	78	49	11.7	11.2	7.7	4.35	

Maximum Amount of Rainfall in one day . . . . . tr mms, on 1st-23rd, 30th

Lowest Value of Relative Humidity . . . . . 25 % on 5th

Highest Value of Vapour Pressure . . . . . 15.2 mms. on 7th

Lowest Value of Vapour pressure . . . . . 6.2 mms. on 30th

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 1963

Date	Wind speed metres per second			Solar + sky radiation km. 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	2.7	5.0	413	9.2	11.0	84	0	4	68	37	10.3	9.1	13.0	7.44	0.1
2	3.2	2.3	4.5	338	8.3	11.0	75	0	5	70	42	10.5	9.4	11.0	6.40	0.0
3	2.8	2.6	3.1	348	7.3	10.9	67	0	11	77	45	11.0	10.6	7.7	4.85	0.0
4	2.5	1.6	3.7	351	8.0	10.9	73	6	11	77	47	12.0	11.1	8.6	5.46	0.0
5	3.4	2.2	4.8	407	10.0	10.9	92	5	12	80	47	13.0	12.4	9.7	6.25	0.0
6	3.1	2.1	4.3	315	6.2	10.8	57	10	14	87	41	13.3	10.7	9.0	6.11	0.0
7	3.5	2.8	4.3	334	8.2	10.8	75	9	13	85	41	13.2	10.6	7.4	5.07	0.0
8	2.8	2.4	3.5	375	9.0	10.8	83	8	11	79	46	12.0	10.7	9.0	5.48	0.0
9	3.0	2.2	4.0	365	8.9	10.8	82	0	8	74	48	11.0	11.5	8.9	6.56	0.0
10	2.9	2.2	3.9	383	10.3	10.8	95	0	11	78	47	11.6	10.8	8.1	5.70	0.0
11	2.7	1.9	3.8	388	10.0	10.7	93	8	11	82	47	12.1	11.3	7.6	5.06	0.0
12	2.2	1.4	3.4	351	9.7	10.7	91	1	11	76	49	11.3	10.7	7.4	5.36	0.0
13	2.4	1.5	3.6	384	10.0	10.7	93	6	12	82	48	11.4	10.8	7.5	4.70	0.0
14	2.3	1.7	3.2	384	10.1	10.6	95	7	12	81	48	11.4	10.7	7.4	5.34	0.0
15	2.6	2.0	3.6	383	9.9	10.5	93	5	12	80	46	11.3	10.6	7.4	5.23	0.0
16	2.6	1.7	3.9	353	9.3	10.6	88	6	12	86	52	12.1	11.7	7.6	4.75	0.0
17	2.5	1.7	3.6	350	9.9	10.6	93	9	13	82	51	12.6	11.9	7.0	4.54	0.0
18	2.5	1.7	3.6	325	8.8	10.6	83	9	13	84	57	13.2	13.4	6.9	4.80	0.0
19	2.5	1.8	3.6	263	5.0	10.6	52	11	14	88	54	13.2	12.5	6.2	4.04	0.0
20	2.2	1.5	3.0	319	8.1	10.5	77	8	13	87	52	12.6	12.1	5.3	3.69	0.0
21	2.5	1.8	3.6	332	7.9	10.5	75	6	13	82	43	11.8	9.9	7.1	4.05	0.0
22	2.3	2.1	2.5	319	6.8	10.5	65	7	11	79	52	11.9	11.5	6.7	4.34	0.0
23	1.9	1.6	2.3	252	4.2	10.5	40	3	11	78	42	11.6	9.8	7.1	4.36	0.0
24	2.1	1.4	3.2	320	7.4	10.4	71	2	12	77	44	10.6	9.8	5.6	5.52	0.1
25	2.6	2.3	2.9	309	8.3	10.4	81	8	14	87	61	12.0	12.1	4.5	3.43	0.0
26	2.7	1.7	4.0	341	9.7	10.4	93	9	13	82	48	11.0	10.1	7.0	5.54	0.0
27	2.0	1.5	2.5	321	9.5	10.4	91	7	12	80	50	10.5	10.1	5.6	3.43	0.0
28	2.2	1.5	3.3	337	9.9	10.4	95	5	12	83	50	10.5	10.2	6.0	3.93	0.0
29	1.5	1.2	2.1	345	9.5	10.4	91	9	11	86	46	10.2	10.4	6.2	4.29	0.0
30	3.5	2.0	5.2	359	9.9	10.4	95	0	6	70	35	8.3	7.2	14.4	8.26	tr.
Total	—	—	—	10424	259.9	319.2		164	338	—	—	—	—	232.9	151.92	0.2
Mean	2.6	1.9	3.6	347.5	8.7	10.6	81	5.5	11.3	80	47	11.6	10.8	7.8	5.06	—

Maximum Amount of Rainfall In One Day . . . . . 0.1 mms. on 1st & 24th

Lowest Value of Relative Humidity . . . . . 31 % on 30 th

Highest Value of Vapour Pressure . . . . . 16.0 mms on 6 th

Lowest Value of Vapour Pressure . . . . . 6.0 mms. on 30 th

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

GIZA — NOVEMBER 1963

Depth in cms.	Dry Soil		Wet Soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	42.3	5.8	25.5	8.9	24.0	12.3
1	40.0	7.3	24.1	9.0	24.0	13.1
2	38.4	7.9	24.8	9.5	23.2	13.3
5	31.4	12.7	23.2	11.4	22.6	14.8
10	28.2	17.0	21.4	13.4	22.4	16.2
20	27.1	21.0	21.2	16.0	22.2	18.0
50	28.0	23.7	22.1	18.9	23.3	20.2
100	29.1	26.3	23.4	20.9	24.1	21.9
200	29.2	27.8	24.2	22.7	24.8	23.6
300	28.0	27.7	—	—	—	—
600	—	—	—	—	—	—

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

TAHRIR — NOVEMBER 1963

Depth in cms.	Dry Soil		Wet Soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	37.6	7.7	—	—	—	—
1	35.9	7.8	—	—	—	—
2	34.1	8.4	—	—	—	—
5	31.1	11.6	—	—	—	—
10	28.1	13.7	—	—	—	—
20	25.5	16.9	—	—	—	—
50	25.6	20.7	—	—	—	—
100	26.6	23.3	—	—	—	—
200	27.7	25.4	—	—	—	—
300	27.8	26.1	—	—	—	—
600	26.15	26.10	—	—	—	—

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

GIZA — NOVEMBER 1963

10	knots	or	above	25	Days	30	knots	or	above	0	Days
15	,,	,,	,,	0	,,	35	,,	,,	,,	0	,,
20	,,	,,	,,	0	,,	40	,,	,,	,,	0	,,
25	,,	,,	,,	0	,,	The highest gust 22 knots on 26th					

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

TAHRIR—NOVEMBER 1963

10	knots	or	above	28	Days	30	knots	or	above	0	Days
15	,,	,,	,,	10	,,	35	,,	,,	,,	0	,,
20	,,	,,	,,	0	,,	40	,,	,,	,,	0	,,
25	,,	,,	,,	0	,,	The highest gust 26 knots on 30th					

PRINTED IN ARAB REPUBLIC OF EGYPT
BY THE GENERAL ORGANIZATION
FOR GOVT. PRINTING OFFICES. CAIRO
First Under-Secretary of State
ALY SULTAN ALY
Chairman of the Board of Directors

882-1971-150

THE ARAB REPUBLIC OF EGYPT

MONTHLY WEATHER REPORT

VOLUME 6 NUMBER 12

DECEMBER, 1963

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

THE EGYPTIAN METEOROLOGICAL AUTHORITY
CAIRO

CONTENTS

PAGES

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 . . . . . 5•6

" A 2.—Monthly Mean Values of the Dry Bulb and Wet Bulb Temperatures, and the Relative Humidity at Fixed Hours . . . . . 7•8

" A 3.—Monthly Mean Daily Values of the Atmospheric Pressure, Air Temperatures and the Relative Humidity . . . . . 9•10

" A 4.—Maximum and Minimum Air Temperatures . . . . . 11•12

" A 5.—Rainfall and Snow Depth . . . . . 13•14

" A 6.—Bright Sunshine, Cloudiness, Evaporation, Bright and Black Bulb Temperatures and Grass Minimum 15

" A 7.—Soil Temperatures at Fixed Hours 16–19

" 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 22–24

" A10.—Number of Occurrences of Concurrent Surface Wind Speed and Direction Observed, within Specified Ranges at the Synoptic Hours 25–50

Upper Air Data

Table B 1.—Upper Air Climatological Data 51–53

" B 2.—Mean and Extreme Values of the Freezing Level and the Tropopause; the Highest Wind Speed in the Upper Air . . . . . 54•55

" B 3.—Number of Occurrences of Wind Direction within Specified Ranges and the Mean Scalar Wind Speed at the Standard and Selected Pressure Surfaces 56–61

Agro-Meteorological Data

Review of Agro-Meteorological Stations at Giza and Tahrir . . . . . 62•63

Table C 1.—Air Temperatures at 2 Metres above Ground; Absolute Minimum Air Temperatures at 5 Centimetres above Ground over Different Fields. . . . . 64•65

" C 2.—Wind Speed, (Solar+Sky) Radiation, Duration of Bright Sunshine, Relative Humidity and Vapour Pressure at 2 Metres above Ground, Evaporation and Rainfall . . . . . 66•67

" C 3.—Extreme Soil Temperatures at Different Depths in Different Fields 68

" C 4.—Number of Days of Surface Wind Speed Reaching or Exceeding Specified Limits of Velocity 69

Note.—For explanatory notes on the tables, please refer to Volume 6, Number 1 (January 1963).

GENERAL SUMMARY OF WEATHER CONDITIONS

DECEMBER 1963

Cold in general but of abnormal warmth between the 15 and 25th.
Abnormal rainfall east of Alexandria.

THE MAIN FEATURES

— Three moderate cold spells in the 1st, 2nd and 4th weeks. A marked prolonged warm spell in the 3rd week.

— Subnormal relative humidity in general.

— Abnormally high rainfall over the Mediterranean district east of Alexandria, deficient and subnormal elsewhere.

— Three secondary Mediterranean depression transits through east Mediterranean.

— Early morning mist or fog over scattered localities of Lower Egypt and Cairo area districts between the 15 & 25th.

— Occasional sandrising over scattered localities of the Republic north of Cairo latitude round the 3rd & 29th.

GENERAL DESCRIPTION OF WEATHER

During the first and second weeks, the weather was cold in general. Marked rise in temperature occurred in the 3rd week with prevailing warmth during day. Warmth attained its climax round the 21st when maximum temperatures reached 32°C at Sallum (13°C above normal) & 30° at Cairo airport (10°C above normal). This warmth was followed by a cold wave which prevailed up to the end of the month and during which maximum temperatures reached its lowest values round the 31st (15°C at Almaza (5°C below normal) & 16°C at Aswan (9°C below normal).

Rain fell during the cold periods. The monthly total was generally subnormal. Rain was mainly confined to the Mediterranean and lower Egypt districts. It was considerably heavy and accompanied by thunder over the eastern part of the Mediterranean district as well as some localities from Lower Egypt district in the first three days of the month.

Sandrising and sandstorms occurred at scattered localities in the 1st and 4th weeks.

Early morning mist was a predominant phenomenon over Lower Egypt and Cairo area districts most of the 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[1] (mms.)	
			Maximum (A)		Minimum (B)		(A+B) /2					
	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal	Mean	Deviation from normal
Mediterranean . . .	1018.3	+0.6	21.4	+1.2	11.8	+0.9	16.7	+1.0	63	— 8	24.2	—12.5
Lower Egypt . . .	1019.0	+1.2	21.6	+0.2	8.8	—0.1	15.2	+0.1	69	—10	8.2	— 8.2
Cairo Area	1018.9	+0.7	21.8	+1.0	9.9	+0.2	15.8	+0.6	55	—12	5.2	— 3.0
Upper Egypt . . .	1018.5	+0.7	24.1	+0.6	8.3	0.0	16.2	+0.3	54	— 7	0.0	— 1.8
Western Desert . .	1019.1	+0.5	23.9	+1.5	5.7	—1.1	14.8	+0.2	50	—10	0.0	— 0.9
Red Sea	1017.6	+1.1	23.4	+0.8	12.8	+0.2	18.1	+0.5	51	— 8	2.3	— 2.3

Note : The above monthly district means for atmospheric pressure and relative humidity are computed from the corresponding means for all stations that take daily 24 hourly observations in each district .

PRESSURE DISTRIBUTION

The prevailing pressure distribution over the surface map was characterized by the SW & SE extensions of the Siberian and Azors anticyclone towards NE & NW Africa respectively, the deep Atlantic low over west Europe and the attached developing secondaries.

Out of these secondary depressions, three crossed east Mediterranean coast.

The first secondary depression was born in the Gulf of Genewa on the 4th where it was stationary for about 24 hours with slight deepening. On the 6th it moved ESE while filling and reached east Mediterranean coast on the 7th where it was stationary with slight deepening up till the 8th, then it proceeded eastwards and approached Iraq.

The second secondary depression originated as a desert depression on the 9th south of the Atlas Mountains, then moved ENE ly following the Mediterranean coast with no appreciable change in intensity and crossed east Mediterranean coast on the 12th.

Between the 13th & 20th, a marked fall in the barometric pressure was observed over Italy and a well developed low pressure centre was formed. In the mean time, the ridge over east Mediterranean was intensifying. On the 21st, the pressure over central Europe increased very rapidly and kept so until the 26th where almost one high pressure cell was covering central and southern Europe together with the middle east region in which the mean sea level pressure attained its maximum value for the whole month round that day.

The 3rd secondary depression originated also as a desert depression over Algiers round the 22nd and slowly moved ENE along the Mediterranean coast with slight filling and reached Cyprus on the 28th where it deepened considerably, then it preceeded eastwards towards Iraq on the 29th.

All the above mentioned depressions were associated with upper troughs extending aloft to more than 200 mbs.

In the upper troposphere, the subtropical Jet stream was evidend most of the month over Egypt at about 148 mbs level, while the polar Jet stream was only evident in association with the travelling depressions and only north of latitude 32 °N at about 238 mbs level.

The highest wind speeds reported at Matruh, Helwan, Aswan were 165, 138, 132 Knots on the 11th, 27th, 27th respectively.

SURFACE WIND

The prevailing winds were NWly & Nly light/moderate in general, but occasionally fresh/strong over scattered localities of the Republic particularly the Mediterranean, Lower Egypt & Red Sea districts. As an exception E/SE blew far in advance of the travelling depressions round the periods (10th —11th), (22nd—27th), and W/SWly wind blew in association with travelling depressions round the periods (5th—6th), (11th—15th) & (18th—20th). Calms were frequent over scattered localities in Upper Egypt & Western Desert districts.

Gales were reported at Port Said on the 10th ; Ghazza on the (1st—4th), (8th—10th) & (29th—31st) and at Mostafa Helmi on the 26th.

TEMPERATURE

Maximum temperature was subnormal during the 1st and 2nd weeks. Its values ranged between 15 & 23°C in the northern and central districts and between 21 & 28°C in the southern districts. Between the 15th & 25th it exceeded remarkably its normal and attained its highest value for the whole month on the 21st (8—10°C above normal). Then it was subnormal till the end of the month.

The absolute maximum temperature for the Republic was 33.4°C recorded at Kom Ombo on the 21st.

Minimum temperature oscillated round its normal in general and its values ranged between 4 & 12°C. Meanwhile it reached 20°C some days in the 3rd week in the Red Sea coast as well as it dropped as low as 0°C few days in the 3rd decade at some localities from the Western Desert district.

The absolute minimum temperature for the Republic was — 1.2°C recorded at Dakhla on the 29th.

PRECIPITATION

During this month rain fell during the periods (1st—5th), (7th—11th) and (28th—31st) and was confined to the Mediterranean and Lower Egypt districts. The monthly total was markedly subnormal, but over the eastern Mediterranean district it was remarkably abnormal. The daily rain was also heavy over some other localities. It is worth to mention that 42 mms fell over Ghazza on the 2nd and 35 mms over El-Arish on the 2nd and these are records for these stations in December.

The maximum monthly rainfall was 105.6 mms at El Arish while the maximum daily rainfall was 42 mms recorded at Ghazza on the 2nd.

MISCELLANEOUS WEATHER PHENOMENA

Thunderstorms occurred at : Dabaa on the 8th ; Ras El Teen on the 20th ; Rosetta on the 2nd & 8th ; El Arish on the 3rd, 8th & 9th and at Ghazza on the 2nd, 3rd, 8th & 9th.

Rain fell at : Sallum on the (9th — 11th); Sidi Barrani on the 2nd, 3rd, 9th & 12th ; El Kasr on the 2nd, 8th, 9th & 29th, Mersa Matruh on the 1st, 2nd, 9th & 10th; Ras El Hikma on the 1st, 2nd, 9th & 10th ; Dabaa on the 1st, 2nd, 4th & 9th ; Ras El Teen, Alexandria & Dekheila on the (1st-3rd), 8th-10th), 29th & 30th; Rosetta on the 1st, 2nd, (7th — 9th) & 29th ; Balteam on the (1st — 3rd), (8th —10th), 17th, (22nd — 24th) & 30th ; Damietta on the (2nd — 4th), (8th — 10th), 29th & 30th ; Port Said on the (1st — 3rd), 8th, 9th, 29th & 30th; El Arish on the (1st — 4th), (8th — 10th) & (29th — 31st) ; Ghazza on the (1st — 5th), (8th — 10th) & (29th — 31st) ; Mansoura on the 1st, 2nd, 9th & 30th ; Damanhour on the 2nd & 9th ; Tanta on the 1st, 2nd, 9th & 29th ; Tahrir & Shebin El Kom on the (1st — 3rd), 9th & 10th ; Zagazig on the 1st, 2nd & 9th ; Abu Sueir on the (1st — 3rd), 16th & 18th ; Banha on the 1st & 2nd ; Zaher on the 1st, 2nd, 9th & 10th ; Wadi El Natrun on the 1st, 2nd & 9th ; Inshas on the 1st, 2nd, 10th & 30th ; Fayed on the 1st, 2nd, 9th & 10th ; Kabrit on the 1st, 9th & 10th ; Cairo on the (1st — 3rd), 8th, 10th & 30th ; Mostafa Helmi on the 1st, 2nd & 9th ; Almaza on the (2nd — 4th), 9th & 10th ; Abbasiya on the 1st, 2nd & (8th — 10th) ; Imbaba on the 2nd & (8th — 10th) ; Giza on the (1st — 3rd) & (8th — 10th) ; Helwan on the 2nd, 3rd & 10th ; Beni Suef on the 4th & 5th ; Abu Redes on the 2nd, 3rd & 30th and at Tor on the 2nd & 3rd.

Mist patches developed at : Mersa Matruh & Dabaa on the 22nd ; Ras El Hikma on the 24th ; Alexandria on the 7th, 15th & 21st ; Dekheila on the 17th, 18th & 25th ; Rosetta on the 15th, 17th, 21st & 22nd ; Balteam on the 17th, 18th & 23rd ; Damietta on the (15th — 20th) & 22nd ; Port Said on the 16th, 19th, 21st, 23rd & 28th ; El Arish on the (15th — 19th) & (21st — 25th) ; Ghazza on the 17th, 24th & 25th ; Mansoura on the (1st—3rd), 5th, 7th, 9th, 11th, 15th, 25th & 28th; Damanhour on the 11th, 12th, (15th —17th), 20th & 21st ; Tahrir on the 11th, 20th & 21st ; Shebin El Kom on the 16th, 17th, 22nd & 24th ; Zagazig on the 12th, 15th, 18th, 19th, 23rd, 25th & 28th ; Abu Sueir on the 6th, 7th, 15th, 17th & 22nd ; Banha on the 15th, 17th, 18th & 22nd ; Zaher

on the 15th & 17th ; Inshas on the 7th, 15th & 24th ; Fayed on the (16th—18th) & 25th ; Cairo on the 2nd, 17th & 22nd ; Mostafa Helmi on the 2nd, 4th, 5th, 10th & (16th—18th) ; Almaza on the (2nd—4th), 16th, 17th & 23rd ; Abbasiya on the 5th, 18th, 22nd & 25th ; Imbaba on the 2nd (15th—18th), (22nd —25th) & 28th ; Giza on the 15th, 16th, 18th &28th ; Beni Suef on the 16th ; Minya on the 4th, 6th, 7th, 10th, (12th—15th), (19th—21st), 24th, 25th, 27th & 29th ; Asyout on the 25th & 26th and at Siwa on the 28th.

Fog patches devloped at : El Kasr on the 23rd ; Mersa Matruh on the 23rd & 24th ; Ras El Hikma &Dabaa on the 23rd ; Ras El Teen on the 18th, 23rd & 24th ; Alexandria on the (16th—18th) & (22nd—24th) ; Dekheila on the 22nd ; Rosetta on the 18th, 23rd & 24th; Damietta on the 24th; Port Said on the 18th, 22nd & 24th ; Ghazza on the 23rd; Mansoura on the (16th—18th) & (22nd —24th) ; Damanhour on the 18th & (22nd—24th) ; Tahrir on the 7th, (16th—18th) & (22nd—25th) ; Shebin El Kom on the 18th ; Zagazig on the 16th, 17th, 22nd & 24th ; Abu Sueir on the 16th, 18th, 24th & 25th ; Banha on the 16th & (23—25th) ; Zaher on the 16th, 18th & 24th ; Wadi El Natrun on the 17th & (22nd—24th) ; Inshas on the 16th, 17th, 18th, 23rd & 25th ; Cairo on the 16th & (23rd—25th) ; Mostafa Helmi on the (23rd —25th) & 28th ; Almaza on the 10th ; Abbasiya on the 17th, 23rd & 24th ; Giza on the 17th, 23rd & 24th Minya on the 17th, 18th, & 23rd and at Bahariya on the 17th.

Local rising sand or dust was reported at : Sallum on the 6th & 18th ; Sidi Barrani on the 2nd, 8th, 9th, 17th & 18th ; El Kasr on the 2nd, 3rd, 6th, (8th—12th), 18th, 25th, 26th, 29th & 30th ; Mersa Matruh on the 2nd, 3rd, (9th—12th), (18th—21st), 26th, 29th & 30th ; Ras El Hikma on the 2nd, 3rd, 12th, (18th—20th) & 29th ; Dabaa on the 2nd, 3rd, 9th, 10th, 12th, 26th, 29th & 30th ; Ras El Teen ; Rosetta & Port Said on the 8th ; EL Arish on the 25th, 26th & 29th ; Ghazza on the 25th ; Tahrir on the 2nd, 3rd, 8th, 10th & 29th ; Abu Sueir on the 3rd, 9th, 10th, 25th, 29th & 30th ; Zaher on the 1st, 9th, 12th, 13th, 18th, 25th, 26th, 29th & 31st ; Wadi EL Natrun on the 8th, 9th, 29th & 30th ; Inshas on the 1st, 7th, 8th, 25th & 26th ; Fayed on the 3rd, 25th & 26th ; Cairo on the (25th—27th) & 29th ; Mostafa Helmi on the 2nd, 3rd, 9th, 10th, 12th, 25th, 26th, 29th & 30th ; Almaza on the 25th & 26th ; Abbasiya on the 25th ; Imbaba on the 25th & 26th ; Asyout on the 30th ; Luxor on the 22nd & 26th ; Aswan on the 22nd, 26th & 27th ; Hurghada on the 10th & 30th ; Quseir on the 10th, 26th & 27th ; Siwa on the 26th ; Bahariya on the 12th, 25th & 26th and at Farafra on the 25th.

Sand or duststorms blew over : Sallum on the 8th & 18th ; Sidi Barrani & ELKasr on the 18th ; Mersa Matruh on the 2nd, 8th & 18th ; Dabaa on the 25th & 29th ; Tahrir on the 2nd ; Mostafa Helmi on the 26th & 29th ; Almaza on the 26th and over Quseir on the 25th.

Chairman (M. F. TAHA)

Board of Directors

Cairo, October 1972

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

DECEMBER 1963

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	1017.8	+ 1.0	1018.2	+ 1.0	1017.4	+ 1.4	1018.3	+ 1.4	5.2	1018.3	+ 1.0	1018.7	+ 1.0	1017.9	+ 1.4	1018.8	+ 1.4
	Sidi Barrani	23.3	1014.7	+ 0.1	1015.4	+ 0.4	1014.4	+ 0.5	1015.0	+ 0.2	23.3	1017.3	+ 0.1	1018.0	+ 0.4	1017.0	+ 0.5	1017.5	+ 0.2
	El Kasr	5.5	1018.5	—	1019.0	—	1018.0	—	1019.0	—	5.5	1019.1	—	1019.6	—	1018.6	—	1019.6	—
	Mersa Matruh (A)	30.0	1015.6	+ 1.4	1015.9	+ 1.4	1015.0	+ 1.5	1016.0	+ 1.4	30.0	1019.2	+ 1.4	1019.6	+ 1.4	1018.6	+ 1.5	1019.5	+ 1.4
	Ras El Hikma	45.8	1013.2	—	1013.6	—	1012.6	—	1013.6	—	45.8	1018.8	—	1019.2	—	1018.1	—	1019.1	—
	Dabaa	18.0	1016.0	—	1016.3	—	1015.4	—	1016.3	—	17.8	1018.0	—	1018.3	—	1017.4	—	1018.3	—
	Dekheila (A)	6.0	1018.2	—	1018.7	—	1017.7	—	1018.6	—	5.9	1018.9	—	1019.4	—	1018.4	—	1019.3	—
	Ras El Teen	8.4	1017.7	—	1018.2	—	1017.3	—	1018.2	—	8.4	1018.7	—	1019.2	—	1018.3	—	1019.2	—
	Alexandria (A)	7.0	1016.2	— 0.5	1016.8	— 0.4	1015.2	— 0.9	1016.3	— 0.7	6.8	1017.0	— 0.5	1017.6	— 0.4	1016.0	— 0.9	1017.1	— 0.7
	Rosetta	3.4	1017.7	—	1018.6	—	1017.7	—	1018.6	—	3.4	1018.1	—	1019.0	—	1018.1	—	1019.0	—
	Balteam	2.2	1018.4	—	1019.0	—	1017.9	—	1018.9	—	2.2	1018.5	—	1019.1	—	1018.0	—	1019.0	—
	Damietta	3.8	1018.4	—	1019.1	+ 1.4	1018.0	+ 1.8	1019.0	+ 2.2	3.8	1018.8	—	1019.5	+ 1.5	1018.4	+ 1.8	1019.4	+ 2.2
	Port Said (A)	6.1	1017.5	+ 0.9	1018.2	+ 0.9	1017.1	+ 1.0	1018.1	+ 1.1	6.1	1018.2	+ 0.9	1018.9	+ 0.9	1017.8	+ 1.0	1018.8	+ 1.1
	El Arish	17.1	1016.7	+ 1.4	1017.3	+ 1.3	1016.1	+ 1.7	1017.2	+ 1.7	17.1	1018.6	+ 1.4	1019.3	+ 1.3	1018.1	+ 1.7	1019.1	+ 1.7
	Ghazza	15.7	1016.1	—	1017.0	—	1015.7	—	1016.8	—	15.7	1018.0	—	1018.9	—	1017.5	—	1018.7	—
Lower Egypt	Mansoura	4.0	1018.7	—	1019.4	+ 1.6	1018.2	+ 2.3	1019.2	+ 2.2	3.6	1019.2	—	1019.8	+ 1.6	1018.6	+ 2.3	1019.6	+ 2.2
	Damanhour	4.3	1018.7	—	1019.2	+ 1.3	1018.0	+ 1.6	1019.1	+ 1.9	4.3	1019.2	—	1019.7	+ 1.3	1018.5	+ 1.6	1019.6	+ 1.9
	Tanta	8.9	1016.6	—	1016.8	— 0.6	1016.2	+ 0.5	1017.4	+ 0.6	8.9	1017.8	—	1018.0	— 0.6	1017.4	+ 0.5	1018.6	+ 0.6
	Tahrir	14.8	1016.5	—	1017.2	—	1015.7	—	1016.9	—	15.4	1018.8	—	1019.4	—	1017.9	—	1019.1	—
	Shebin El Kom	17.8	1016.7	—	1017.6	+ 0.5	1016.0	+ 0.5	1017.3	+ 0.9	18.6	1018.2	—	1019.1	+ 0.4	1017.5	+ 0.5	1018.8	+ 0.8
	Zagazig	13.1	1017.7	—	1018.5	+ 1.3	1017.0	+ 1.4	1018.4	+ 1.8	13.8	1018.9	—	1019.7	+ 1.3	1018.2	+ 1.4	1019.6	+ 1.8
	Abu Sueir (A)	13.0	1017.0	—	1017.9	—	1016.2	—	1017.6	—	13.0	1019.0	—	1019.9	—	1018.1	—	1019.5	—
	Banha	30.0	1017.4	—	1017.6	—	1016.4	—	1018.0	—	14.9	1019.2	—	1019.4	—	1018.2	—	1019.8	—
	Zaher (A)	23.5	1014.4	—	1015.2	—	1013.5	—	1014.8	—	23.5	1017.9	—	1018.9	—	1017.4	—	1018.5	—
	Wadi El Natrun	0.9	1019.4	—	1020.1	+ 1.5	1018.7	+ 1.7	1019.8	+ 1.7	0.9	1019.5	—	1020.2	+ 1.5	1018.8	+ 1.7	1019.9	+ 1.7
	Inshas (A)	25.5	1014.2	—	1015.0	—	1013.5	—	1014.8	—	25.6	1017.3	—	1018.1	—	1016.6	—	1017.9	—
	Fayed (A)	22.5	1016.8	—	1017.6	—	1015.8	—	1017.4	—	22.5	1019.4	—	1020.2	—	1018.3	—	1019.9	—
	Kabrit (A)	7.6	1017.6	—	1018.6	—	1016.8	—	1018.1	—	7.6	1019.1	—	1020.0	—	1018.1	—	1019.5	—
Cairo Area	Cairo (A)	74.5	1010.8	+ 0.4	1011.7	+ 0.6	1010.1	+ 0.5	1011.3	+ 0.8	74.0	1018.7	+ 0.5	1019.6	+ 0.7	1017.8	+ 0.6	1019.2	+ 0.9
	Mostafa Helmi (A)	164.0	999.4	—	1000.0	—	998.9	—	999.8	—	164.0	1019.1	—	1019.8	—	1018.1	—	1019.3	—
	Almaza (A)	78.5	1008.9	+ 0.5	1009.7	+ 1.0	1008.1	+ 0.5	1009.5	+ 0.8	78.6	1018.4	+ 0.7	1019.2	+ 0.6	1017.4	+ 0.8	1018.9	+ 0.9
	Abbasiya (H.Q.)	26.4	1015.8	—	1016.8	—	1015.0	—	1016.3	—	26.4	1019.6	—	1020.5	—	1018.6	—	1020.0	—
	Imbaba (A)	19.0	1016.2	—	1017.4	—	1015.5	—	1016.7	—	19.0	1018.6	—	1019.5	—	1017.6	—	1018.8	—
	Giza	22.5	1016.1	—	1016.9	+ 0.3	1015.4	+ 0.4	1016.4	+ 0.6	22.5	1018.8	—	1019.6	+ 0.3	1018.1	+ 0.4	1019.1	+ 0.6
	Helwan	140.7	999.2	—	1002.9	+ 1.2	1001.3	+ 1.3	1002.5	+ 1.4	140.7	1019.4	—	1020.1	+ 1.2	1018.1	+ 1.1	1019.7	+ 1.4

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

DECEMBER 1963

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	23.3	1015.6	—	1016.7	+1.1	1014.8	+1.2	1016.0	+1.4	23.3	1018.7	—	1019.8	+1.2	1017.8	+1.2	1019.1	+1.5
	Beni Suef	30.4	1015.2	—	1016.1	+0.5	1014.3	—0.5	1015.4	+0.8	30.0	1018.8	—	1019.8	+0.6	1017.8	—0.4	1019.0	+0.9
	Minya (A)	40.5	1014.6	+1.5	1015.5	+1.4	1013.6	+1.2	1014.6	+1.4	40.3	1019.7	+1.3	1020.5	+1.3	1018.4	+1.2	1019.6	+1.5
	Asyout (Mangabad) (A)	69.6	1010.3	+0.8	1011.5	+0.8	1009.2	+0.7	1010.4	+1.0	69.5	1018.8	+0.8	1020.0	+0.8	1017.4	+0.7	1018.8	+0.9
	Nag Hammadi	70.6	1010.2	—	1011.6	+1.4	1009.1	+1.5	1010.3	+1.5	70.5	1018.7	—	1020.0	+1.3	1017.4	+1.5	1018.7	+1.4
	Kena	74.2	1008.8	—	1011.0	+1.1	1008.1	+1.1	1008.8	+0.6	74.2	1017.8	—	1019.9	+1.1	1016.8	+1.2	1017.8	+0.8
	Luxor (A)	88.5	1007.2	+0.5	1008.8	+0.7	1006.3	+0.7	1007.2	+0.5	88.4	1017.7	+0.4	1019.3	+0.7	1016.4	+0.6	1017.6	+0.5
	Kom Ombo	102.6	1004.4	—	1006.2	—	1003.4	—	1004.7	—	102.6	1016.8	—	1018.5	—	1015.2	—	1016.8	—
	Aswan (A)	199.9	993.6	—	995.2	+0.3	992.7	+0.3	993.8	+0.5	200.0	1017.6	—	1019.1	+0.3	1015.8	+0.3	1017.4	+0.5
Western Desert	Siwa	—13.5	1020.9	—0.3	1021.8	—0.2	1020.3	0.0	1020.9	—0.2	—13.3	1019.0	—0.3	1020.0	—0.1	1018.6	0.0	1019.1	—0.3
	Bahariya	129.5	1003.4	+1.4	1004.3	+0.7	1002.7	+0.7	1003.4	+0.8	129.6	1019.4	+1.4	1020.3	+0.7	1017.9	+0.7	1020.1	+1.8
	Farafra	91.8	1009.7	+1.1	1010.6	+1.3	1008.7	+1.0	1009.6	+1.3	92.1	1021.1	+1.1	1022.1	+1.3	1019.7	+1.0	1020.9	+1.3
	Dakhla	111.5	1003.9	—	1005.2	0.0	1003.4	+0.6	1004.1	+0.2	111.5	1017.5	—	1018.9	+0.1	1016.3	+0.5	1017.5	+0.4
	Kharga	72.8	1009.9	—	1011.2	+0.9	1009.0	+0.6	1010.0	+0.8	73.0	1018.6	—	1019.8	+0.8	1017.2	+0.4	1018.6	+0.8
Red Sea	Suez	11.1	1017.2	—	1018.4	+0.9	1016.5	+0.1	1017.8	+1.5	12.2	1018.5	—	1019.6	+0.9	1017.8	0.0	1019.0	+1.5
	Abu Redes	4.0	1016.9	—	1017.8	—	1016.9	—	1017.6	—	4.0	1017.3	—	1018.2	—	1017.1	—	1018.0	—
	Tor	4.2	1017.2	—	1018.2	+1.2	1016.4	+1.0	1017.4	+1.4	4.2	1017.6	—	1018.6	+1.2	1016.8	+1.0	1018.0	+1.6
	Hurghada	2.8	1017.3	+1.7	1018.5	+1.9	1016.5	+1.4	1017.5	+1.7	2.8	1017.5	+1.7	1018.7	1.9	1016.7	+1.4	1017.7	+1.7
	Quseir	11.3	1015.9	—	1017.3	+1.4	1015.6	+1.0	1016.4	+1.3	11.3	1016.9	—	1018.3	+1.4	1016.6	+1.0	1017.5	+1.3
	Abul Kizan	5.0	1016.0	—	1017.6	—	1015.9	—	1017.0	—	5.0	1016.6	—	1018.1	—	1016.4	—	1017.6	—

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

DECEMBER 1963

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	15.2	+1.3	14.4	+1.9	21.5	+1.9	17.5	+1.5	11.4	— 0.4	11.1	+1.1	14.1	+0.3	12.7	+0.5	60	— 2	64	— 5	39	— 9	54	— 7
	Sidi Barrni	14.4	+1.5	13.8	+2.0	20.8	+2.0	16.3	+1.3	9.8	+ 0.2	9.2	—0.7	13.8	0.0	11.2	—0.7	51	—21	51	—25	41	—15	50	—19
	El Kasr	13.9	—	14.2	—	20.8	—	14.9	—	10.5	—	10.7	—	13.9	—	11.3	—	62	—	61	—	42	—	61	—
	Mersa Matruh (A)	13.5	+1.5	13.5	+1.3	20.5	+1.8	15.0	+1.0	10.2	+ 0.2	10.2	+0.6	13.3	—0.4	11.2	—0.3	63	—13	63	—13	39	—15	60	—13
	Ras El Hikma	15.2	—	15.2	—	19.7	—	16.1	—	11.5	—	11.4	—	14.0	—	12.5	—	61	—	60	—	50	—	63	—
	Dabaa	12.0	—	12.4	—	20.2	—	14.5	—	9.4	—	9.4	—	13.7	—	11.4	—	69	—	65	—	44	—	66	—
	Dekheila (A)	10.4	—	10.1	—	14.4	—	12.2	—	7.8	—	8.5	—	10.3	—	7.7	—	66	—	66	—	49	—	65	—
	Ras El Ten	16.3	—	15.5	—	19.2	—	17.6	—	13.3	—	12.5	—	14.5	—	13.9	—	69	—	68	—	57	—	64	—
	Alexandria (A)	11.7	— 1.3	11.5	—1.9	19.5	—0.1	14.0	—0.8	10.0	— 1.4	9.8	—1.9	13.9	—0.8	11.8	—0.7	79	— 2	80	— 1	50	— 6	76	— 0
	Rosetta	13.9	—	13.6	—	19.8	—	15.1	—	11.2	—	10.9	—	14.6	—	12.3	—	70	—	70	—	54	—	70	—
	Balteam	16.0	—	15.8	—	19.2	—	16.8	—	12.6	—	12.2	—	14.6	—	13.3	—	64	—	62	—	58	—	65	—
	Damietta	13.1	—	13.1	—0.3	20.4	+1.8	14.6	0.0	11.6	—	11.5	—0.5	15.0	+0.9	12.8	—0.2	83	—	82	— 2	57	— 6	81	— 2
	Port Said (A)	14.9	— 1.0	14.9	—0.5	18.7	—0.3	16.3	—0.2	12.9	— 0.3	12.7	—0.5	15.0	0.0	14.1	0.0	78	0	76	— 1	65	+ 2	77	+ 2
	El Arish	12.3	— 0.2	13.1	—0.2	19.7	+0.2	14.4	—0.6	10.6	— 0.2	10.5	—0.6	14.7	—0.1	12.4	—0.6	80	+ 1	71	— 3	55	— 2	78	+ 1
	Ghazza	13.0	—	13.4	—	18.4	—	15.2	—	11.0	—	10.8	—	14.8	—	12.9	—	77	—	71	—	65	—	75	—
Lower Egypt	El Sirw	12.0	—	13.7	+0.4	19.4	—0.6	14.2	0.0	—	—	12.1	+0.3	14.9	—1.1	12.8	+0.2	—	—	82	— 1	59	— 5	85	+ 2
	Sakha	9.4	—	13.2	+1.5	20.2	0.0	12.1	+0.2	8.2	—	11.2	+0.6	15.2	—0.1	10.7	—0.1	84	—	77	—10	55	— 1	84	— 3
	Mansoura	10.1	—	11.2	—0.8	20.5	0.0	12.8	—1.6	8.9	—	9.6	—0.8	14.6	—0.7	11.1	—1.7	84	—	80	— 2	49	— 5	81	+ 3
	Damanhour	11.6	—	10.8	—1.1	21.0	+1.0	14.3	0.0	10.1	—	9.3	—1.1	15.2	+0.4	11.9	—0.4	82	—	82	0	51	— 3	74	— 4
	Tanta	10.6	—	9.5	—2.4	21.3	+1.1	13.7	+0.2	9.4	—	8.3	—2.2	15.7	+0.7	11.8	+0.1	85	—	84	0	53	— 1	79	— 1
	Tahrir	11.1	—	11.5	—	21.0	—	14.4	—	9.6	—	9.5	—	13.6	—	11.6	—	81	—	76	—	38	—	70	—
	Shebin El Kom	10.8	—	10.3	—1.4	21.7	+1.4	13.9	+0.1	9.6	—	8.9	—1.1	15.8	+1.4	12.0	+0.5	86	—	82	+ 2	51	+ 2	79	+ 5
	Zagazig	10.1	—	10.4	—1.5	20.3	+0.1	13.3	-0.6	8.3	—	8.6	—1.9	14.3	—1.1	11.0	—1.3	76	—	76	— 8	48	— 9	74	— 8
	Abu Sueir (A)	10.6	—	11.4	—	21.5	—	14.3	—	8.8	—	9.1	—	13.6	—	11.1	—	77	—	72	—	36	—	62	—
	Banha	11.9	—	11.0	—	19.8	—	14.8	—	10.0	—	9.0	—	14.4	—	12.0	—	77	—	75	—	52	—	70	—
	Zaher (A)	11.1	—	11.2	—	21.0	—	14.5	—	9.2	—	8.8	—	14.0	—	11.5	—	76	—	71	—	41	—	68	—
	Wadi El Natrun	11.4	—	11.5	—0.5	22.0	+1.6	15.1	—0.4	9.6	—	9.3	—0.8	13.8	0 0	11.4	—0.6	78	—	74	— 4	35	— 9	61	— 2
	Inshas (A)	11.7	—	11.2	—	20.7	—	14.7	—	9.4	—	8.8	—	13.8	—	11.2	—	73	—	71	—	42	—	62	—
	Fayed (A)	11.3	—	12.0	—	21.9	—	14.7	—	8.5	—	8.8	—	13.9	—	10.8	—	66	—	63	—	36	—	58	—
	Kabrit (A)	12.1	—	12.3	—	21.4	—	15.3	—	9.5	—	9.7	—	14.6	—	11.7	—	69	—	70	—	43	—	62	—

Table A2 (*contd*).—MONTHLY MEAN VALUES OF THE DRY BULB AND WET BULB TEMPERATURES AND THE RELATIVE HUMIDITY AT FIXED HOURS

DECEMBER 1963

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
Cairo Area	Cairo (A)	13.3	+0.5	12.6	—0.2	20.5	+0.6	15.8	+0.4	9.9	—0.6	9.1	—1.6	13.0	—0.8	11.2	—0.9	62	—11	60	—13	37	—10	54	—12
	Mostafa Helmi (A)	11.7	—	10.1	—	20.2	—	14.6	—	9.4	—	9.0	—	12.9	—	11.0	—	73	—	86	—	38	—	61	—
	Almaza (A)	13.0	+0.2	12.5	—0.4	21.1	+0.9	15.7	—0.1	9.6	—0.7	9.2	—1.2	13.2	—0.7	11.0	—1.1	62	— 8	62	—10	34	—13	53	—11
	Abbasiya (H.Q.)	12.6	—	12.3	—	21.2	—	15.7	—	10.3	—	9.9	—	14.1	—	12.1	—	74	—	72	—	41	—	63	—
	Imbaba (A)	11.2	—	11.4	—	21.1	—	14.0	—	9.3	—	9.3	—	14.3	—	11.2	—	77	—	75	—	43	—	69	—
	Giza	11.1	—	11.7	+0.6	20.7	+0.1	14.8	+1.3	9.3	—	9.7	—0.1	13.5	—0.9	11.4	—0.1	78	—	76	— 7	40	— 7	64	—13
	Helwan	12.9	—	13.2	+0.9	20.7	+1.1	15.6	0.0	9.2	—	9.3	—0.2	13.1	+0.3	10.5	—0.7	58	—	56	—11	37	— 4	48	— 7
Upper Egypt	Fayoum	10.4	—	10.3	—1.2	22.0	+1.1	14.1	+0.1	8.6	—	8.3	—0.9	14.7	+0.7	11.1	—0.1	76	—	74	0	41	— 3	67	— 2
	Beni Suef	10.2	—	9.3	—1.9	22.0	+1.0	13.3	—0.4	8.2	—	7.4	—1.4	14.7	+0.1	10.6	—0.4	74	—	75	+ 5	41	— 5	70	0
	Minya (A)	8.3	—1.0	9.1	—1.0	22.1	+0.8	13.2	—0.1	7.2	—0.1	8.1	—0.1	15.0	+1.3	10.7	+0.6	86	+12	87	+12	43	+ 5	72	+ 8
	Mallawi	8.3	—	8.8	—	21.3	—	12.1	—	—	—	8.0	—	14.4	—	11.1	—	—	—	89	—	42	—	89	—
	Asyout (Mangabad) (A)	11.7	+0.3	10.6	—0.5	22.3	+1.1	16.1	+0.7	7.9	—0.3	7.2	—1.0	13.5	+0.4	10.8	+0.2	55	— 6	58	— 7	31	— 3	48	— 3
	Shandaweel	10.8	—	11.8	—1.0	22.4	—0.2	14.5	+0.4	9.0	—	9.9	—0.9	16.1	+0.1	12.2	+0.3	—	—	78	+ 1	49	+ 2	75	— 1
	Nag Hammadi	11.8	—	12.8	—0.3	23.8	+0.2	15.8	+0.9	—	—	10.6	+0.2	17.4	+1.6	12.8	+0.6	—	—	75	+ 6	50	+ 5	68	— 3
	Kena	12.6	—	14.4	+1.7	24.9	+2.1	16.7	+0.8	—	—	10.1	+0.3	15.9	+0.7	12.4	+0.4	—	—	54	—13	34	— 6	57	— 3
	Luxor (A)	10.6	—0.8	12.2	—1.1	21.4	+0.3	16.0	—0.2	8.0	—0.6	8.9	—0.9	15.6	—0.6	11.5	—0.3	66	+ 3	52	—12	34	— 6	55	— 4
	Kom Ombo	11.8	—	14.3	—	23.4	—	17.3	—	8.2	—	11.0	—	15.8	—	11.5	—	58	—	64	—	27	—	45	—
	Aswan (A)	13.4	—	13.7	—1.5	25.0	+0.1	18.9	+0.9	8.4	—	8.9	—1.9	13.9	—1.2	10.9	—1.7	43	—	48	— 6	21	— 9	30	— 8
Western	Siwa	10.4	+0.8	9.5	+1.0	21.7	+2.0	14.8	+1.1	7.5	+0.3	6.9	+0.5	13.3	+0.5	10.0	+0.3	64	— 4	65	— 6	33	— 7	51	— 5
	Bahariya	9.5	—	9.0	—2.5	23.2	+2.9	15.3	+1.3	6.1	—	5.8	—3.1	14.3	+0.7	9.9	—0.5	56	—	58	—11	32	—11	46	—15
	Farafra	8.3	—	6.5	—3.1	21.2	+0.6	13.5	—0.4	5.7	—	4.5	—2.7	13.2	—0.7	9.0	—0.9	65	—	71	+ 3	34	— 9	51	— 6
	Dakhla	7.4	—	7.2	—2.9	24.0	+2.6	14.1	—1.5	5.9	—	4.3	—2.8	14.2	+0.5	9.1	—0.9	79	—	60	— 2	27	—10	47	+ 3
	Kharga	10.6	—	11.8	—0.9	24.8	+2.0	15.3	—0.7	7.5	—	8.3	—1.2	15.2	+0.2	10.6	—0.5	62	—	59	— 4	30	— 9	52	+ 1
Red Sea	Suez	13.9	—	13.6	—0.4	22.1	+1.5	16.3	0.0	—	—	10.7	—0.7	14.6	—0.2	12.3	—0.7	—	—	68	— 4	40	—10	59	— 4
	Abu Redes	15.2	—	15.7	—	22.4	—	17.8	—	11.3	—	11.7	—	16.2	—	13.4	—	65	—	59	—	50	—	58	—
	Tor	13.8	—	13.9	—0.9	22.1	+0.3	17.8	+0.3	10.0	—	9.7	—1.5	16.2	—0.8	13.0	—0.3	59	—	55	— 4	51	— 8	55	— 5
	Hurghada	13.7	+0.6	15.8	—0.1	22.8	+1.2	17.2	—0.1	9.3	—0.7	10.3	—1.5	15.7	—0.5	12.6	—0.9	52	—13	45	—13	53	—12	55	— 8
	Quseir	17.5	—	18.6	—0.7	23.1	+0.3	19.4	—0.6	12.5	—	12.7	—1.5	16.1	—1.4	14.4	—1.2	52	—	46	— 8	45	—11	55	— 5
	Abul Kizan	23.2	—	23.8	—0.4	24.6	—0.5	23.3	+0.1	19.0	—	18.6	—1.6	18.9	—1.5	18.5	—1.0	—	—	59	— 9	56	— 8	61	— 8

MEAN VALUES OF THE ATMOSPHERIC PRESSURE, AIR TEMPERATURES AND THE RELATIVE HUMIDITY
DECEMBER 1963

Data	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	+1.3	1018.5	+1.3	22.5	+2.1	13.3	+2.6	17.9	a	17.3	+1.6	a	12.3	—0.6	a	52	— 8
	Sidi Barrani	a	1014.9	—0.1	1017.5	—0.1	21.5	+1.9	12.4	+2.2	16.9	a	16.6	+1.9	a	11.2	—0.4	a	48	—18
	El Kasr	a	1018.7	—	1019.2	—	21.7	—	11.6	—	16.6	a	16.2	—	a	11.7	—	a	55	—
	Mersa Matruh (A)	a	1015.7	+1.5	1019.3	+1.5	21.3	+1.6	11.8	+1.8	17.1	a	15.9	+1.3	a	11.4	0.0	a	55	—13
	Ras El Hikma	a	1013.4	—	1018.9	—	20.4	—	13.4	—	16.9	a	16.7	—	a	12.5	—	a	58	—
	Dabaa	a	1016.0	—	1018.0	—	20.7	—	10.2	—	15.4	a	14.9	—	a	11.0	—	a	59	—
	Dekheila (A)	a	1018.3	—	1019.0	—	21.1	—	11.0	—	16.1	a	15.8	—	a	12.0	—	a	61	—
	Ras El Teen	a	1017.9	—	1018.9	—	19.8	—	14.3	—	17.1	a	17.2	—	a	13.6	—	a	64	—
	Alexandria (A)	a	1016.2	—1.0	1017.0	—1.0	21.7	+1.3	10.4	—0.8	16.1	a	14.4	—1.1	a	11.5	—1.3	a	69	— 2
	Rosetta	a	1018.1	—	1018.5	—	20.5	—	11.9	—	16.2	a	15.8	—	a	12.4	—	a	64	—
	Balteam	a	1018.5	—	1018.6	—	19.9	—	14.8	—	17.4	a	17.0	—	a	13.2	—	a	63	—
	Damietta	a	1018.6	+1.5	1019.0	+1.5	21.1	+0.9	11.6	+1.1	16.4	a	15.3	+1.0	a	12.9	+0.1	a	74	—10
	Port Said (A)	a	1017.7	—0.9	1018.4	—0.9	20.3	+0.4	13.3	—0.4	16.8	a	16.2	—0.2	a	13.6	—0.1	a	73	— 1
	El Arish	a	1016.8	+1.8	1018.7	+1.8	21.3	—0.1	10.1	0.0	15.7	a	14.9	+0.1	a	12.1	—0.3	a	70	— 3
	Ghazza	a	1016.4	—	1018.2	—	19.4	—	13.3	—	16.7	a	15.1	—	a	12.4	—	a	71	—
LOWER EGYPT	El Sirw	—	—	—	—	—	20.9	0.0	10.5	+1.2	15.7	c	14.8	+0.8	c	13.2	+0.8	c	83	0
	Sakha	—	—	—	—	—	21.4	+0.2	8.6	+0.5	15.0	c	13.7	+0.7	c	11.8	0.0	c	79	— 8
	Mansoura	a	1018.9	+2.0	1019.3	+2.0	21.1	+0.9	7.4	—2.0	14.2	a	13.8	—0.3	a	11.2	—1.6	a	71	— 9
	Damanhour	a	1018.7	+1.6	1019.3	+1.6	21.1	—0.1	9.5	—0.3	15.3	a	14.8	+0.8	a	12.0	—0.2	a	70	—10
	Tanta	a	1016.8	+0.1	1018.0	+0.1	22.1	+0.9	8.6	+0.6	15.4	a	14.3	+0.9	a	11.8	0.0	a	73	— 9
	Tahrir	a	1016.6	—	1018.8	—	22.4	—	8.9	—	15.6	a	14.7	—	a	11.2	—	a	62	—
	Shebin El Kom	a	1017.0	+0.6	1018.5	+0.6	22.4	—0.8	8.8	—0.3	16.1	a	14.5	+0.7	a	11.8	+0.1	a	71	— 6
	Zagazig	a	1017.9	+1.5	1019.1	+1.5	21.1	—0.5	8.1	—0.1	14.6	a	13.3	—0.3	a	10.8	—1.3	a	72	—11
	Abu Sueir (A)	a	1017.2	—	1019.1	—	22.4	—	8.3	—	15.4	a	14.6	—	a	10.8	—	a	59	—
	Banha	a	1017.3	—	1019.1	—	20.7	—	9.8	—	15.2	a	14.6	—	a	11.5	—	a	67	—
	Zaher (A)	a	1014.5	—	1018.2	—	21.6	—	8.9	—	15.2	a	14.7	—	a	11.3	—	a	63	—
	Wadi El Natrun	a	1019.5	+1.6	1019.6	+1.6	22.9	+1.4	8.8	—0.3	15.8	a	15.2	+1.0	a	11.2	—0.2	a	58	—12
	Inshas (A)	a	1014.5	—	1017.5	—	21.2	—	8.9	—	15.1	a	14.8	—	a	10.9	—	a	59	—
	Fayed (A)	a	1016.8	—	1019.4	—	22.7	—	8.4	—	15.6	a	15.2	—	a	10.6	—	a	52	—
	Kabrit (A)	a	1017.9	—	1019.2	—	22.1	—	9.7	—	15.9	a	15.5	—	a	11.5	—	a	59	—
CAIRO AREA	Cairo (A)	a	1011.0	+1.0	1018.8	+1.0	21.9	+1.2	10.3	—0.1	16.1	a	15.7	+0.4	a	11.1	—0.7	a	54	—10
	Mostafa Helmi (A)	a	999.[illegible]	—	1018.9	—	20.6	—	7.4	—	14.0	a	14.7	—	a	10.6	—	a	56	—
	Almaza (A)	a	1009.1	+0.6	1018.5	+0.5	21.7	+0.9	10.7	+0.3	16.2	a	15.8	+0.3	a	10.9	—1.0	a	51	—10
	Abbasiya H.Q.)	a	1016.0	—	1019.7	—	22.2	—	10.0	—	16.1	a	15.6	—	a	11.7	—	a	60	—
	Imbaba (A)	a	1016.5	—	1018.6	—	22.4	—	8.2	—	15.3	a	14.6	—	a	11.1	—	a	62	—
	Giza	a	1016.2	+0.4	1018.9	+0.3	21.9	+0.6	8.5	+0.4	15.1	a	14.6	+1.4	a	11.4	0.0	a	65	—15
	Helwan	a	1002.0	+1.1	1019.3	+1.0	21.7	+1.3	10.2	+0.0	16.0	a	15.7	+0.9	a	10.6	+0.6	a	49	—13

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 1963

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	1015.8	+1.2	1018.8	+1.2	23.0	+0.9	8.3	0.0	15.6	a	14.5	+0.8	a	10.9	—0.1	a	61	—10
	Beni Suef	a	1015.3	+0.3	1018.8	+0.3	23.3	+0.7	7.2	+0.1	15.2	a	14.0	+0.8	a	10.5	—0.4	a	62	— 8
	Minya (A)	a	1014.6	+1.0	1019.6	+0.9	22.9	+1.2	5.8	—1.2	14.4	a	13.4	—0.6	a	10.4	—0.1	a	66	+ 4
	Mallawi	—	—	—	—	—	21.9	—	5.7	—	13.8	c	12.6	—	c	11.6	—	e	89	—
	Asyout (Mangabad) (A)	a	1010.5	+0.8	1018.8	+0.7	22.9	+0.5	8.7	—0.2	15.8	a	15.3	0.0	a	10.1	—0.4	a	47	— 4
	Shandaweel	—	—	—	—	—	23.6	—0.4	8.1	+0.3	15.9	c	14.8	—0.5	c	11.8	—1.2	e	68	— 8
	Nag Hammadi	c	1010.3	+1.4	1018.7	+1.3	24.2	+0.8	9.1	+1.7	16.7	c	16.1	+1.6	c	13.4	+1.7	e	72	+ 2
	Kena	c	1009.2	+0.8	1018.1	+0.9	25.9	+1.6	9.6	+0.6	17.8	c	17.2	+2.1	c	12.7	+1.0	e	56	— 8
	Luxor (A)	a	1007.4	+0.8	1017.8	+0.8	25.2	0.0	7.4	—0.2	16.3	a	16.0	—0.2	a	11.2	—0.3	a	52	— 7
	Kom Ombo	a	1004.6	—	1016.8	—	27.1	—	8.8	—	18.0	a	17.3	—	a	11.3	—	a	44	—
	Aswan (A)	a	993.8	+0.1	1017.4	+0.1	25.9	+0.3	10.6	—1.2	18.2	a	17.9	+0.4	a	10.7	+0.9	a	34	—11
Western Desert	Siwa	a	1021.0	+0.1	1019.2	+0.2	22.7	+2.2	7.2	+0.5	15.0	a	14.4	+1.6	a	9.7	+0.6	a	50	— 8
	Baharia	a	1003.5	+0.6	1019.2	+0.6	23.9	+2.4	6.3	—0.4	15.1	a	14.6	+1.5	a	9.3	—0.7	a	45	—25
	Farafra	a	1009.7	+1.1	1020.9	+1.1	22.2	+0.4	4.1	—1.7	13.2	a	12.8	+0.3	a	8.4	—0.2	a	51	— 5
	Dakhla	a	1004.2	+0.2	1017.7	+0.2	25.1	+0.7	3.4	—3.5	14.2	a	13.8	—0.3	a	9.9	+0.4	a	58	+ 7
	Kharga	a	1010.0	+0.7	1018.5	+0.6	25.4	+2.0	7.6	—0.5	16.5	a	15.9	+1.0	a	10.5	—0.2	a	46	—10
Red Sea	Suez	c	1017.5	+0.6	1018.7	+0.6	23.6	+1.7	9.2	—1.3	16.4	c	16.5	+1.1	c	13.3	+0.9	e	68	0
	Abu Redes	a	1017.2	—	1017.6	—	23.4	—	12.7	—	18.1	a	17.6	—	a	13.3	—	a	59	—
	Tor	a	1017.3	+1.2	1017.7	+1.2	23.2	+0.4	11.0	+0.5	17.2	a	17.2	+1.0	a	12.5	+0.1	a	55	— 6
	Hurghada	a	1017.5	+1.1	1017.7	+1.1	23.3	+1.6	11.4	0.0	17.4	a	17.4	+0.1	a	12.0	—0.9	a	49	— 8
	Quseir	a	1016.3	+1.1	1017.3	+1.1	23.6	+0.5	15.8	0.0	19.7	a	19.8	+0.3	a	14.0	—0.9	a	49	— 9
	Abul Kizan	c	1016.4	—	1017.2	—	26.3	+0.1	22.6	+0.8	24.4	c	23.7	+0.1	c	18.7	—1.0	e	60	— 8

a = the 24 hours mean. b = 8 synoptic hours mean. e = 4 main synoptic hours mean.

d = 06.12 & 18 U. T. hours mean. c = 06 & 18 U. T hours mean.

DECEMBER 1963

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	32.0	21,22	16.2	30	8	2	0	0	0	18.4	21	7.8	11	2	0	0	0
	Sidi Barrani	30.0	21	15.5	10	4	0	0	0	0	17.9	25	7.0	11	7	0	0	0
	El Kasr	29.5	21	14.9	30	4	0	0	0	0	17.9	25	6.1	11	11	0	0	0
	Mersa Matruh (A)	29.3	21	15.0	10	4	0	0	0	0	17.1	25	7.1	11	9	0	0	0
	Ras El Hikma	26.7	20	15.4	11,30	2	0	0	0	0	16.9	25	7.4	11	2	0	0	0
	Dabaa	27.8	21	14.4	30	2	0	0	0	0	16.1	25	5.6	11	17	0	0	0
	Dekheila (A)	28.0	21	16.0	10,30	2	0	0	0	0	18.0	1	5.5	28	10	0	0	0
	Ras El Teen	25.4	20	15.1	30	1	0	0	0	0	17.8	1,22	9.1	12	1	0	0	0
	Alexandria (A)	28.5	21	16.4	10·30	4	0	0	0	0	16.6	1	5.6	11	14	0	0	0
	Rosetta	27.2	21	14.5	10	2	0	0	0	0	16.7	1	7.3	11	7	0	0	0
	Balteam	26.2	21	15.0	30	2	0	0	0	0	19.5	22,23	11.0	11,13	0	0	0	0
	Damietta	27.7	20	15.2	30	5	0	0	0	0	17.5	22	7.9	13	8	0	0	0
	Port Said (A)	25.9	20	14.6	31	1	0	0	0	0	18.0	22	9.9	12	1	0	0	0
	El Arish	30.0	20	13.8	30	6	0	0	0	0	14.2	2	3.0	28	12	2	0	0
	Ghazza	25.3	19	13.6	30	2	0	0	0	0	14.6	1	4.0	26	11	1	0	0
Lower Egypt	El Sirw	27.7	20	15.0	31	3	0	0	0	0	17.0	22	6.0	28	14	0	0	0
	Sakha	28.0	20	15.3	30	6	0	0	0	0	12.0	1	4.2	11	20	1	0	0
	Mansoura	28.7	21	14.3	31	5	0	0	0	0	11.8	1	3.3	11	23	4	0	0
	Damanhour	29.1	21	14.9	10,30	5	0	0	0	0	14.0	1	4.5	11	17	2	0	0
	Tanta	29.2	21	16.0	31	6	0	0	0	0	13.4	1	3.8	11	21	2	0	0
	Tahrir	31.9	21	15.8	10	7	1	0	0	0	14.3	2	3.7	12	22	3	0	0
	Shebin El Kom	29.2	21	16.3	31	6	0	0	0	0	13.9	2	4.2	12,28	21	3	0	0
	Zagazig	28.4	20	14.1	31	5	0	0	0	0	12.7	2	2.1	27	20	4	0	0
	Abu Sueir (A)	29.6	20,22	15.8	31	7	0	0	0	0	13.3	1	1.9	28	22	4	0	0
	Banha	26.5	20	14.7	30	5	0	0	0	0	14.6	2	5.2	27	17	0	0	0
	Zaher (A)	29.8	20	14.5	31	6	0	0	0	0	13.8	2	1.6	27	19	4	0	0
	Wadi El Natrun	31.9	20	16.8	30	7	2	0	0	0	14.4	1	3.2	28	20	4	0	0
	Inshas (A)	29.3	21	15.2	31	5	0	0	0	0	13.5	1,2,9	2.5	27·28	16	5	0	0
	Fayed (A)	31.5	22	15.6	30	6	2	0	0	0	14.7	1	3.0	28	18	4	0	0
	Kabrit (A)	28.2	19	15.7	30	6	0	0	0	0	16.0	1	4.0	11	17	1	0	0
Cairo Area	Cairo /(A)	30.2	21	15.4	31	6	1	0	0	0	14.0	1,21	3.5	27	12	2	0	0
	Mostafa Helmi (A)	30.3	21	14.1	30	5	1	0	0	0	16.7	21	4.0	28	19	3	0	0
	Almaza (A)	28.5	20,21	15.5	31	6	0	0	0	0	14.8	2	4.3	28	12	1	0	0
	Abbasiya (H. Q)	30.6	21	16.5	31	6	1	0	0	0	14.7	1	3.2	28	13	2	0	0
	Imbaba (A)	28.5	21	15.1	31	5	0	0	0	0	13.6	2	1.3	28	23	5	0	0
	Giza	29.5	21	15.4	31	6	0	0	0	0	14.1	2	3.7	12·28	23	4	0	0
	Helwan	29.0	22	13.9	31	7	0	0	0	0	16.2	22	4.4	11	15	1	0	0

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

DECEMBER 1963

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	29.2	22	16.0	31	6	0	0	0	0	12.6	25	3.0	28	21	3	0	0
	Beni Suef	28.4	20	16.0	31	6	0	0	0	0	12.5	2	1.0	28	27	4	0	0
	Minya (A)	29.0	23	16.3	31	7	0	0	0	0	11.7	25	1.0	27	30	12	0	0
	Mallawi	28.0	22	15.6	31	5	0	0	0	0	9.0	9	2.2	31	31	9	0	0
	Asyout (Mangabad) (A)	30.0	22	16.1	31	9	0	0	0	0	12.7	22	4.1	27	23	3	0	0
	Shandaweel	28.5	21	17.5	31	6	0	0	0	0	12.0	22	5.0	11,31	25	0	0	0
	Nag Hammadi	29.2	23	18.6	30	8	0	0	0	0	11.9	22	4.8	31	20	1	0	0
	Kena	31.7	21	18.6	31	19	5	0	0	0	14.6	20	5.4	31	16	0	0	0
	Luxor (A)	31.8	22	18.0	31	16	1	0	0	0	12.0	21	3.6	6	24	4	0	0
	Kom Ombo	33.4	21	19.8	31	22	9	0	0	0	15.4	21	4.0	29	23	3	0	0
	Aswan (A)	32.8	21	16.5	31	14	4	0	0	0	15.8	21	4.8	31	12	1	0	0
Western Desert	Siwa	28.8	20	17.0	31	8	0	0	0	0	13.8	25	2.7	31	28	6	0	0
	Bahariya	32.4	22	17.2	30,31	9	3	0	0	0	12.3	25	—0.4	28	26	11	1	0
	Farafra	28.3	22	16.9	27	8	0	0	0	0	10.5	3	—0.9	27	29	19	2	0
	Dakhla	33.1	22	17.3	31	10	6	0	0	0	8.0	10	—1.2	29	31	22	2	0
	Kharga	31.9	21	17.0	31	17	6	0	0	0	13.9	22	2.9	7	25	6	0	0
Red Sea	Suez	34.0	22	16.8	30	9	1	0	0	0	13.3	1	3.6	28	18	2	0	0
	Abu Redes	27.6	22	17.0	30	10	0	0	0	0	15.9	9,19	7.9	11	3	0	0	0
	Tor	26.9	20	17.4	31	9	0	0	0	0	15.4	1	5.8	11	10	0	0	0
	Hurghada	27.0	22	17.2	31	10	0	0	0	0	14.5	21	7.5	12	6	0	0	0
	Quseir	27.9	23	17.4	31	11	0	0	0	0	19.3	21	10.3	31	0	0	0	0
	Abul Kizan	30.4	9	21.5	31	23	1	0	0	0	25.8	21	18.4	27	0	0	0	0

* More than three days.

Table A 5.—RAINFALL AND SNOW DEPTH

DECEMBER 1963

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	1.0	−19.0	0.8	11	1	2	0	0	0	0	0	0.0	—
	Sidi Barrani	3.7	−34.2	1.9	2	1	4	2	0	0	0	0	0.0	—
	El Kasr	2.4	—	0.8	8,9	1	4	0	0	0	0	0	0.0	—
	Mersa Matruh (A)	4.3	−29.4	1.6	2,8	2	4	3	0	0	0	0	0.0	—
	Ras El Hikma	5.0	—	2.1	2	1	3	1	0	0	0	0	0.0	—
	Dabaa	9.9	−28.0	6.7	2	0	3	2	1	0	0	0	0.0	—
	Dekheila (A)	6.1	—	4.0	2	0	4	2	0	0	0	0	0.0	—
	Ras El-Teen	10.4	—	6.1	8	0	6	2	1	0	0	0	0.0	—
	Alexandria (A)	19.9	−36.8	7.6	8	2	6	4	2	0	0	0	0.0	—
	Rosetta L.H.	26.6	—	15.9	2	0	5	5	1	1	0	0	0.0	—
	Balteam	48.3	—	22.3	2	1	10	4	3	2	0	0	0.0	—
	Damietta	36.6	+11.9	13.0	2	0	6	5	3	2	0	0	0.0	—
	Port Said (A)	25.2	+ 3.1	13.5	2	1	6	5	2	1	0	0	0.0	—
	El Arish	105.6	+96.4	35.0	2	0	9	7	5	5	2	0	0.0	—
	Ghazza	98.7	—	42.0	2	1	11	9	5	3	1	0	0.0	—
	Fuka	1.0	−22.0	0.5	8,15	0	2	0	0	0	0	0	0.0	—
	Hammam	32.0	+ 5.0	25.0	2	0	2	2	2	1	1	0	0.0	—
	Borg El Arab	29.5	−10.3	12.5	2	0	5	5	2	2	0	0	0.0	—
	Mex	17.2	−36.6	10.7	2	1	4	4	1	1	0	0	0.0	—
	Tolombat El Tabia	34.0	−28.7	8.0	2	0	8	8	3	0	0	0	0.0	—
	Kom El Tarfaia	2.0	−44.9	2.0	14	0	1	1	0	0	0	0	0.0	—
	Rosetta L. H.	10.1	−40.1	3.9	3	0	3	2	0	0	0	0	0.0	—
	Borollos L.H.	43.3	− 6.1	21.8	9	0	6	3	2	2	0	0	0.0	—
	Damietta L.H.	36.5	+ 7.1	18.9	8	0	5	5	2	1	0	0	0.0	—
Lower Egypt	El Sirw	28.0	+14.2	8.0	2	0	6	6	2	0	0	0	0.0	—
	Sakha	2.2	−13.8	2.2	1	0	1	1	0	0	0	0	0.0	—
	Mansoura	3.3	− 7.6	2.0	2	0	3	2	0	0	0	0	0.0	—
	Damanhour	17.6	− 2.5	16.6	2	2	2	2	1	1	0	0	0.0	—
	Tanta	2.6	− 7.2	2.1	2	0	4	1	0	0	0	0	0.0	—
	Tahrir	3.1	—	1.6	9	2	3	2	0	0	0	0	0.0	—
	Shebin El Kom	9.9	+ 0.8	9.2	2	0	3	1	1	0	0	0	0.0	—
	Zagazig	1.2	+ 2.1	0.5	2	0	3	0	0	0	0	0	0.0	—
	Abu Sueir	4.0	—	2.5	1	1	4	1	0	0	0	0	0.0	—
	Banha (A)	4.9	—	3.9	2	1	2	2	0	0	0	0	0.0	—
	Zaher (A)	4.6	—	3.2	9	0	3	2	0	0	0	0	0.0	—
	Wadi El Natrun	6.3	−12.2	3.8	2	0	3	3	0	0	0	0	0.0	—
	Inshas (A)	2.8	—	1.8	2	0	4	1	0	0	0	0	0.0	—
	Fayed (A)	2.7	—	2.3	9	1	4	1	0	0	0	0	0.0	—
	Kabrit (A)	0.6	—	0.4	9	1	2	0	0	0	0	0	0.0	—
	Delta Barrage	2.9	− 0.1	1.9	2	0	2	2	0	0	0	0	0.0	—
	Tolombat El Boseili	12.0	−32.0	4.0	2,8	3	4	3	0	0	0	0	0.0	—
	Kafr El Dawar	19.0	−29.3	10.0	2	5	5	1	1	1	0	0	0.0	—
	Kafr El Sheikh	5.0	−11.1	2.0	1,2	0	3	3	0	0	0	0	0.0	—
	Kafr El Zayat	3.4	− 8.0	3.2	3	3	2	1	0	0	0	0	0.0	—
	Faqus	0.9	− 8.2	0.9	3	4	1	0	0	0	0	0	0.0	—
Cairo Area	Cairo (A)	6.4	− 4.5	4.8	2	1	4	1	0	0	0	0	0.0	—
	Mostafa Helmi (A)	3.9	—	3.1	9	0	3	1	0	0	0	0	0.0	—
	Almaza (A)	6.6	− 1.9	4.8	2	2	3	2	0	0	0	0	0.0	—
	Abbasiya (H.Q.)	5.4	—	3.1	2	0	4	2	0	0	0	0	0.0	—
	Imbaba (A)	8.9	—	6.7	2	0	4	2	1	0	0	0	0.0	—
	Giza	1.4	− 5.0	1.2	9	3	2	1	0	0	0	0	0.0	—
	Helwan	6.3	− 0.8	4.0	2	0	3	2	0	0	0	0	0.0	—

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

DECEMBER 1963

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	— 6.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Beni Suef	0.4	— 4.3	0.4	4	1	1	0	0	0	0	0	0.0	—
	Minya (A)	0.0	— 0.8	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	— 0.8	0.0	—	0	0	0	0	0	0	0	0.0	—
	Nag Hammadi	0.0	— 2.8	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	0.0	— 3.0	0.0	—	0	0	0	0	0	0	0	0.0	—
	Bahariya	0.0	— 1.6	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	— 0.1	0.0	—	0	0	0	0	0	0	0	0.0	—
Red Sea	Suez	Tr.	— 4.7	Tr.	1,2	2	0	0	0	0	0	0	0.0	—
	Abu Redes	12.8	—	9.1	3	0	3	2	1	0	0	0	0.0	—
	Tor	11.5	— 2.0	11.3	2	0	2	1	1	1	0	0	0.0	—
	Hurghada	0.0	— 1.8	0.0	—	0	0	0	0	0	0	0	0.0	—
	Quseir	0.0	— 0.8	0.0	—	0	0	0	0	0	0	0	0.0	—
	Abul Kizan	0.0	— 2.2	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

DECEMBER — 1963

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	—	—	—	2.7	—	3.8	—	3.9	—	3.2	—	9.8	—	—	12.7
	Sidi Barrani	—	—	—	—	—	3.6	—	4.0	—	2.4	—	9.3	—	—	—
	El Kasr	—	—	—	—	—	2.7	—	4.1	—	2.7	—	9.1	—	—	—
	Mersa Mtrauh (A)	188.1	313.7	60.0	2.7	—	4.1	—	4.1	—	2.5	—	11.5	—	—	—
	Ras El Hikma	—	—	—	—	—	4.1	—	4.0	—	2.9	—	8.3	—	—	12.5
	Dabaa	—	—	—	—	—	4.0	—	3.9	—	2.2	—	7.3	—	—	—
	Dekheila (A)	—	—	—	2.4	—	3.1	—	3.3	—	2.9	—	6.2	—	—	—
	Ras El Teen	—	—	—	2.6	—	3.4	—	4.1	—	3.1	—	5.9	—	—	—
	Alexandria (A)	159.5	315.6	50.5	3.5	—	4.0	—	3.6	—	2.6	—	5.1	—	—	—
	Rosetta	—	—	—	—	—	2.4	—	3.5	—	1.8	—	4.2	—	—	—
	Balteam	—	—	—	—	—	3.6	—	4.0	—	2.8	—	3.8	—	—	—
	Damietta	—	—	—	—	—	1.9	—	3.2	—	2.6	—	2.7	—	—	—
	Port Said (A)	207.6	315.6	65.8	2.3	—	2.7	—	3.1	—	2.6	—	2.8	37	22	11.9
	El Arish	219.1	313.7	69.8	3.1	—	3.3	—	4.0	—	3.2	—	3.8	—	—	10.9
	Ghazza	201.9	313.7	64.3	3.4	—	3.2	—	3.5	—	2.7	—	4.0	—	—	11.1
Lower Egypt	El Sirw	—	—	—	—	—	1.7	—	2.5	—	0.8	—	2.8	—	—	—
	Sakha	—	—	—	—	—	2.8	—	2.0	—	2.0	—	2.4	—	—	—
	Mansoura	—	—	—	—	—	3.4	—	3.3	—	0.0	—	4.0	—	—	—
	Damanhour	—	—	—	—	—	3.5	—	3.5	—	2.5	—	2.6	—	—	9.0
	Tanta	230.1	316.8	72.6	—	—	2.4	—	2.2	—	1.5	—	3.1	52	31	—
	Tahrir	227.0	316.9	71.7	2.3	—	4.4	—	3.1	—	2.1	—	4.8	—	—	7.3
	Shebin El Kom	—	—	—	—	—	2.8	—	2.3	—	1.6	—	2.1	—	—	—
	Zagazig	220.9	316.8	69.7	—	—	3.4	—	3.2	—	1.2	—	3.7	—	—	—
	Abu Sueir (A)	—	—	—	2.6	—	3.8	—	3.6	—	2.0	—	6.1	59	26	5.4
	Banha	—	—	—	—	—	2.4	—	2.5	—	1.3	—	2.8	—	—	—
	Zaher (A)	—	—	—	—	—	3.5	—	3.3	—	1.7	—	7.1	—	—	—
	Wadi El Natrun	—	—	—	—	—	3.1	—	2.7	—	1.9	—	5.2	—	—	—
	Inshas (A)	—	—	—	1.3	—	3.5	—	2.8	—	1.4	—	5.5	—	—	—
	Faved (A)	—	—	—	—	—	2.8	—	3.2	—	1.4	—	8.4	—	—	—
	Kabrit (A)	—	—	—	0.0	—	2.1	—	2.9	—	1.1	—	7.0	—	—	—
	Delta Barrage	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cairo Area	Cairo (A)	—	—	—	2.5	—	3.6	—	3.5	—	1.9	—	10.7	—	—	—
	Mostafa Helmi (A)	—	—	—	1.7	—	3.1	—	3.4	—	1.9	—	7.7	—	—	—
	Almaza (A)	234.6	317.8	73.8	1.7	—	3.8	—	3.5	—	2.1	—	6.2	—	—	—
	Abbasiya (H.O.)	226.8	317.8	71.4	1.4	—	4.0	—	3.1	—	1.7	—	4.2	59	30	—
	Imbaba (A)	—	—	—	—	—	3.6	—	3.3	—	2.1	—	9.2	—	—	—
	Giza	231.5	317.6	72.8	1.6	—	3.8	—	3.1	—	1.7	—	7.5	—	—	—
	Helwan	—	—	—	1.5	—	2.5	—	2.6	—	0.0	—	10.4	—	—	—
Upper Egypt	Fayoum	—	—	—	—	—	1.3	—	1.8	—	0.8	—	4.5	—	—	—
	Beni Suef	—	—	—	—	—	1.2	—	2.2	—	0.6	—	3.3	—	25	5.7
	Minya (A)	—	—	—	0.5	—	1.9	—	2.6	—	1.5	—	4.7	—	—	3.5
	Mallawi	—	—	—	—	—	0.7	—	1.5	—	0.7	—	1.4	—	—	4.2
	Asyout (Mangabad) (A)	—	—	—	0.4	—	0.8	—	1.6	—	0.7	—	6.7	—	—	7.2
	Shandaweel	248.8	315.6	78.8	—	—	0.5	—	0.6	—	0.5	—	2.5	—	—	—
	Nag Hammadi	—	—	—	—	—	0.1	—	0.2	—	0.4	—	3.1	—	—	8.6
	Kena	—	—	—	—	—	0.2	—	0.3	—	0.2	—	4.3	—	36	8.5
	Luxor (A)	—	—	—	0.2	—	0.7	—	0.9	—	0.5	—	4.5	56	—	—
	Kom Ombo	—	—	—	—	—	0.6	—	0.6	—	0.2	—	6.2	—	—	5.4
	Aswan (A)	—	—	—	0.3	—	1.1	—	1.1	—	0.6	—	11.5	—	—	—
Western Desert	Siwa	—	—	—	1.0	—	2.1	—	2.4	—	1.7	—	6.7	54	—	5.8
	Bahariya	—	—	—	0.9	—	1.9	—	2.4	—	1.5	—	5.1	44	27	5.2
	Farafra	—	—	—	0.1	—	1.0	—	2.9	—	1.0	—	6.8	59	26	3.4
	Dakhla	—	—	—	0.3	—	0.6	—	1.1	—	0.4	—	6.2	49	30	—1.4
	Khaga	—	—	—	0.1	—	0.7	—	0.8	—	0.5	—	6.3	—	—	—
Red Sea	Suez	—	—	—	—	—	2.2	—	2.6	—	1.4	—	5.5	—	—	—
	Abu Redes	265.7	320.0	82.9	—	—	1.4	—	2.0	—	1.8	—	6.6	—	—	—
	Tor	—	—	—	1.1	—	1.5	—	1.4	—	0.7	—	4.8	—	—	—
	Hurghada	—	—	—	0.7	—	1.4	—	1.4	—	1.1	—	11.5	—	—	—
	Quseir	—	—	—	0.5	—	1.2	—	0.9	—	0.5	—	13.9	—	—	—
	Abul Kizan	—	—	—	—	—	2.0	—	2.0	—	0.9	—	10.4	—	—	—

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

DECEMBER 1963

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	Sidi Barrani . .	5	—	—	—	—	—	13.6	18.0	25	9.4	11	20.6	25.4	22	16.9	31	17.7	20.4	22	14.0	31
		10	—	—	—	—	—	15.4	18.4	25	12.3	11	18.7	21.0	22	16.1	11	18.7	21.3	22	16.0	31
		20	—	—	—	—	—	17.3	18.7	25	15.3	12	17.3	18.8	1	15.4	12	18.2	20.4	1	15.0	11
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mersa Matruh (A)	5	13.7	16.6	26	11.0	11	12.7	16.2	29	9.0	11	19.7	23.3	22	17.0	11	15.9	—	—	—	—
		10	15.0	17.8	29,26	12.5	13	13.8	16.4	29	11.0	11	17.7	20.0	22,25	15.0	11	16.5	—	—	—	—
		20	16.5	18.7	1	14.7	13	15.9	18.0	29	13.4	12	16.4	18.5	25	14.1	11	16.8	—	—	—	—
		50	16.6	18.2	24,25,26	15.7	13	16.8	18.0	1	15.0	13	16.6	18.2	25-26	14.8	12	16.6	—	—	—	—
		100	17.5	18.3	1	15.5	13	17.1	18.2	1	14.7	12	17.3	18.3	25	15.3	12	17.2	—	—	—	—
		200	22.7	23.4	1	21.1	28,29	22.0	23.4	1	21.2	*	22.7	23.0	3,4	21.2	*	21.9	—	—	—	—
	Ras El Hikma .	5	—	—	—	—	—	14.3	16.7	1	9.5	11	19.8	22.9	21	15.0	30	16.3	18.3	8	13.4	30
		10	—	—	—	—	—	14.4	17.3	1	11.4	11	18.2	19.4	21,24	14.8	30	16.9	18.5	20,21	14.3	11
		20	—	—	—	—	—	15.6	17.7	1	12.7	11	17.2	18.1	2	14.6	11	17.2	18.8	21	14.6	11
		50	—	—	—	—	—	17.3	—	—	—	—	17.4	—	—	—	—	17.4	—	—	—	—
		100	—	—	—	—	—	19.5	21.1	1	18.6	23	19.5	21.0	1	18.6	23	19.5	21.0	1	18.6	23
		200	—	—	—	—	—	21.7	22.4	1,2,3	20.9	30,31	21.7	22.4	1	20.9	30,31	21.7	22.4	1	20.9	30,31
	Alexandria (A)	5	13.7	18.6	2	9.9	11	12.5	17.5	1	8.3	11	23.4	28.5	23	18.0	30,31	17.7	21.5	23	14.0	11
		10	16.2	20.0	1,2	12.5	12	14.7	19.5	2	10.0	11	18.5	22.7	23	16.0	31	19.4	22.5	23	16.0	10,11
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	19.9	22.3	1	18.2	16	19.7	22.3	1	18.0	16	19.8	22.0	1	18.5	*	19.8	22.2	1	18.1	21
		100	22.7	24.8	1	20.0	24	22.8	24.8	1	21.0	20	22.9	24.7	1,3	21.3	30	22.8	24.6	3	20.0	21
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	El Arish. . . .	5	12.8	16.3	1	6.9	29	12.0	15.4	1	7.2	28	16.6	20.6	20	11.2	30	14.8	18.6	24	9.6	30
		10	13.7	16.6	1	9.0	27,28	12.6	15.8	1	8.4	27	16.1	19.4	21,22	11.7	30	15.3	18.6	20,22	10.4	30
		20	15.1	17.8	20	10.8	29	14.2	17.2	1	10.8	28	15.6	18.0	1	12.3	31	16.0	18.8	22	12.2	30
		50	17.6	21.5	1	15.0	31	17.4	21.4	1	14.7	31	17.1	21.3	1	14.4	31	17.3	21.4	1	14.5	31
		100	19.8	23.8	1	18.0	31	19.8	23.8	1	18.2	30-31	19.8	23.8	1	17.8	31	19.6	23.7	1	17.8	31
		200	23.0	26.0	1	21.0	31	23.0	26.0	1	21.2	31	23.0	26.0	1	21.0	31	22.2	25.9	1,3	21.0	31
	Ghazza	5	14.2	17.0	9	10.6	28,31	13.1	16.8	1	9.8	28	16.7	19.9	21	11.8	30	15.4	19.0	21	10.5	30
		10	14.2	17.3	1	10.8	31	13.6	17.0	1	10.5	27.28	15.9	18.6	21	12.0	30	15.6	19.0	21	11.8	30
		20	15.0	18.0	1	11.4	31	14.3	17.6	1	11.3	12	15.6	18.0	1,21,22	12.5	31	16.0	18.8	21	12.6	30
		50	18.8	21.2	4	17.0	*	18.7	21.0	1,2	16.9	31	19.5	22.0	2	17.8	27	18.9	22.0	1	17.4	30
		100	25.6	29.5	4	23.5	26	25.6	29.5	4	23.9	20	26.5	29.6	2	24.2	16	25.6	29.2	1	23.0	18
		200	28.0	29.6	1	26.5	29	28.5	30.0	1	26.5	29-30	28.5	30.5	8	26.6	25	28.1	30.0	7	26.5	28

* More than 3 days.

DECEMBER 1963

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	Sakha	5	—	—	—	—	—	11.5	16.8	1	9.4	26,27,31	15.6	18.6	2	14.8	9,11	10.4	15.2	1,2	8.4	12
		10	—	—	—	—	—	12.0	17.2	1	9.8	27	16.3	19.0	2	15.2	9,11	11.0	15.5	1,2	9.0	12,15
		20	—	—	—	—	—	12.7	17.8	1	10.7	31	17.0	19.5	2	15.8	11	11.6	16.0	1,2	9.3	12
		50	—	—	—	—	—	17.8	17.0	3	14.0	31	18.5	19.8	2,3	18.0	*	14.7	16.0	3	13.0	12
		100	—	—	—	—	—	14.7	16.5	3	13.0	31	17.2	18.0	3	16.2	21	13.4	15.8	3	12.8	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Damanhour	5	—	—	—	—	—	13.2	16.9	1	10.5	27	20.5	26.0	22	15.0	26,31	15.9	19.0	22	12.5	30
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	18.3	20.6	1	16.8	31	18.3	20.5	1	16.7	31	18.2	20.5	1	16.6	31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tanta	5	—	—	—	—	—	13.4	16.7	2	9.7	28	17.2	19.6	1	14.5	31	15.9	18.8	1	12.7	27
		10	—	—	—	—	—	16.0	20.0	1	14.3	28	18.3	21.0	1	16.0	31	18.4	20.8	1	16.2	31
		20	—	—	—	—	—	16.0	18.4	1,2	13.8	28	16.0	18.6	1	14.0	31	16.4	18.9	1	14.4	31
		50	—	—	—	—	—	20.4	22.7	1	18.7	31	20.2	22.5	1,2	18.5	31	20.2	22.6	1	18.4	31
		100	—	—	—	—	—	22.3	24.1	1	21.0	31	22.2	24.0	1	20.9	31	22.2	24.0	1	20.8	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tahrir	5	12.3	16.5	1	7.8	28	11.1	16.1	2	6.9	28	22.6	26.4	21	17.7	31	15.8	18.5	1	12.3	11
		10	14.2	17.8	1	10.5	28	12.6	16.7	2	8.8	28	19.7	21.9	21,22	16.3	31	17.4	19.6	22	14.5	30
		20	16.9	19.5	1,2	14.5	28	15.7	18.7	1	13.1	12	16.8	19.3	1,2	14.4	28	18.3	20.1	1	16.1	31
		50	18.7	20.9	1	17.0	29	18.6	20.9	1	17.1	29,31	—	—	—	—	—	18.4	20.8	1	16.8	28
		100	—	—	—	—	—	21.1	23.2	1	19.7	31	—	—	—	—	—	21.1	23.1	1	19.7	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delta Barrage	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		50	—	—	—	—	—	20.0	22.3	4	17.0	27,28	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	22.6	25.0	*	18.8	30	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	24.2	26.3	2	19.7	30	—	—	—	—	—	—	—	—	—	—
	Giza	5	14.3	17.7	3	10.2	28	13.1	17.5	2	8.7	28	22.1	26.2	21	16.5	31	17.9	20.3	1	14.4	30
		10	17.4	19.8	2	15.2	31	16.1	19.2	2	13.1	28	19.0	21.0	2	16.0	31	19.4	21.4	21,22	16.6	31
		20	19.8	21.6	1,2	17.9	31	19.2	21.3	2	17.4	28	19.1	21.3	2	17.2	28	19.8	21.7	1	17.5	31
		50	21.5	23.6	1	20.0	30,31	21.6	23.7	1	19.9	31	21.5	23.6	1	19.9	31	21.4	23.5	1	19.9	31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

DECEMBER 1963

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
Cairo Area	Minya . . .(A)	5	14.2	17.5	2	12.0	12	12.7	17.5	12	9.2	31	18.4	21.0	22,23	12.7	31	16.9	20.0	21,22	12.0	31
		10	17.9	20.0	2,3,23	15.8	31	15.7	19.0	2,3,24	14.0	31	19.0	21.3	2	15.1	31	19.4	22.3	1	16.2	31
		20	19.0	21.5	1	17.2	31	18.3	20.5	2,3	15.2	29	18.9	21.3	7	16.6	29	19.2	21.6	1	17.3	29
		50	20.8	23.0	1	19.0	31	20.7	22.7	3	19.0	31	20.7	22.6	2,7	18.9	31	20.7	23.0	1	18.9	31
		100	23.8	25.6	2	22.5	29,30,31	23.7	25.5	1,2,3	22.0	31	23.7	25.5	1,2	22.2	21	23.7	25.6	1	22.5	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Upper Egypt	Mallawi . . .	5	—	—	—	—	—	10.6	12.8	2	8.0	28	12.5	14.0	2,3	11.0	28,29	12.8	15.0	2,3	9.5	31
		10	—	—	—	—	—	12.2	14.0	2,3,4	10.0	29	12.7	14.5	2,4	10.5	29	12.9	15.0	2,3	11.0	23
		20	—	—	—	—	—	13.4	15.2	1,2	12.0	29,31	13.4	15.5	1	12.0	28,29,31	13.4	15.5	1	12.0	28,29,31
		50	—	—	—	—	—	16.4	18.5	1	15.0	27	16.4	18.5	1	15.0	27	16.4	18.5	1	15.0	27,28
		100	—	—	—	—	—	18.1	20.5	1	17.3	*	18.1	20.5	1	17.3	*	18.1	20.5	1	17.3	*
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shandaweel . .	5	—	—	—	—	—	15.0	24.5	9	12.0	31	18.9	22.0	1,2	17.0	30,31	17.7	22.0	7	14.5	31
		10	—	—	—	—	—	16.9	19.5	20	14.5	31	18.9	21.0	1,2	16.0	30,31	18.9	21.0	2,7	16.5	29,31
		20	—	—	—	—	—	18.5	20.5	1,2	16.5	31	18.9	20.7	5	16.5	30,31	19.0	21.5	2	16.0	30
		50	—	—	—	—	—	19.2	21.5	1	17.0	31	19.9	22.5	1,2,3	18.0	30	20.4	22.0	*	18.0	30
		100	—	—	—	—	—	22.8	25.0	1	21.5	31	22.7	24.8	1	21.5	30,31	22.9	25.0	1,2	21.0	30
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag-Hammadi.	5	—	—	—	—	—	12.2	14.2	21,22	9.2	31	20.1	23.0	1	17.0	30	15.3	17.8	1	13.6	31
		10	—	—	—	—	—	13.8	16.1	22	11.3	31	17.8	20.0	*	15.0	30	15.7	17.1	1	14.1	31
		20	—	—	—	—	—	15.0	17.6	1	14.1	31	16.0	20.0	25	15.2	28	16.0	17.8	1	15.2	28
		50	—	—	—	—	—	18.5	21.5	7	17.6	19,27	18.5	21.5	7	17.6	19,27	18.5	21.5	7	17.6	19
		100	—	—	—	—	—	20.7	—	—	—	—	20.9	—	—	—	—	20.9	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kom Ombo . .	5	—	—	—	—	—	15.4	18.8	21	12.4	31	26.0	31.0	25	23.8	4	19.5	22.5	20,21	16.7	31
		10	—	—	—	—	—	17.5	20.0	21	15.5	31	21.1	23.2	21	19.8	30	20.2	22.5	20,21	17.8	31
		20	—	—	—	—	—	19.7	21.2	1	18.0	31	20.0	21.2	1	18.7	30	20.1	21.5	22	18.4	31
		50	—	—	—	—	—	20.8	24.5	3	18.8	31	20.8	22.6	1	19.0	31	20.7	22.5	1	18.8	31
		100	—	—	—	—	—	22.6	24.6	1	20.0	29	22.8	24.6	1	21.5	29,31	22.8	24.6	1	21.3	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table A 7 (*contd.*).—SOIL TEMPERATURE (°C) AT FIXED HOURS

DECEMBER 1963

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
Western Desert	Siwa	5	13.2	15.4	1	11.0	31	11.4	15.4	25	8.2	31	20.9	27.7	1	18.4	31	16.4	19.0	25	12.0	31
		10	13.0	17.6	25	13.2	31	13.0	15.0	1	11.8	31	18.8	26.0	25	16.1	31	17.5	19.4	24	14.8	31
		20	16.8	18.5	26	15.2	31	15.2	16.9	1	11.2	19	16.5	18.3	1	14.8	31	17.8	19.4	1	15.8	31
		50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bahariya	5	13.5	17.5	25	9.4	28	10.8	15.2	25	6.6	28	17.3	20.5	23	13.6	31	17.2	20.8	22	13.0	31
		10	15.6	18.8	25	13.6	31	13.4	16.0	1	9.6	28	15.9	18.5	25	12.4	28	17.1	20.7	23	14.2	31
		20	18.1	19.8	25	16.2	31	16.9	18.9	25	14.6	28	16.6	19.0	1	14.0	28	17.0	20.1	23	14.4	31
		50	21.0	23.1	1	19.4	30	21.0	23.0	1	19.5	30,31	21.0	22.9	1	19.4	31	19.5	22.9	1	19.2	31
		100	23.0	25.1	1	21.8	31	23.0	25.0	1	21.8	30,31	23.0	25.0	1	21.7	31	23.0	24.9	1	21.7	31
		200	26.2	27.5	1	25.0	30,31	26.2	27.5	1	24.9	31	26.2	27.5	1	24.9	31	26.1	27.5	1	25.0	31
	Farafra	5	13.7	—	—	—	—	14.6	17.0	3	11.6	28	17.1	19.2	1,3	15.0	31	18.1	20.3	23	15.4	31
		10	14.4	—	—	—	—	16.1	18.2	2,3	13.7	29	16.5	18.7	3	13.8	28	18.0	19.7	1	15.3	28
		20	15.3	—	—	—	—	17.9	19.7	2,3	15.8	29	17.6	19.6	3	15.4	28	18.2	20.0	1,3	16.0	28
		50	16.5	—	—	—	—	19.9	21.8	1,2	18.5	30,31	19.9	21.7	1,2	18.4	31	19.8	21.6	1,2	18.3	31
		100	17.9	—	—	—	—	21.6	23.5	1	20.3	31	21.6	23.4	1	20.2	31	21.6	23.4	1	20.1	31
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kharga	5	—	—	—	—	—	12.3	17.0	22,33	9.8	1,5,31	25.6	26.3	3	19.8	31	18.2	22.2	21	14.1	31
		10	—	—	—	—	—	15.4	19.3	22	12.9	7	20.6	23.9	22	17.0	31	21.2	24.1	21,22	17.3	31
		20	—	—	—	—	—	19.4	21.5	22	17.6	31	19.8	21.9	22	17.6	31	22.2	23.3	22	18.7	31
		50	—	—	—	—	—	22.8	24.5	1	21.4	31	22.6	24.5	1	21.3	31	22.5	24.5	1	21.0	31
		100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* More than 3 days.

Table A 8 — FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA

DECEMBER 1963

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	0	0	0	0	0	2	2	0	0	0	0	0	9	8
	Sidi Barrani	4	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	—	—
	El Kasr	4	0	0	0	0	0	0	1	0	0	13	1	0	0	0	0	0	—	—
	Mersa Matruh (A)	4	0	0	0	0	0	1	2	0	0	13	3	0	0	0	0	0	9	4
	Ras El Hikma	3	0	0	0	0	0	1	1	0	0	7	0	0	0	0	0	0	—	—
	abaa	3	0	0	0	0	1	1	1	0	0	8	2	0	0	0	0	0	—	—
	ekheila (A)	4	0	0	0	0	0	3	1	3	0	0	0	0	0	0	0	0	13	3
	Ras El Teen	6	0	0	0	0	1	6	3	2	0	1	0	0	0	0	0	0	9	4
	Alexandria (A)	6	0	0	0	0	0	3	6	0	0	0	0	0	0	0	0	0	7	7
	Rosetta	5	0	0	0	0	2	4	3	6	0	1	0	0	0	0	0	0	—	—
	Balteam	10	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	—	—
	Damietta	6	0	0	0	0	0	7	1	0	0	0	0	0	0	0	0	0	—	—
	Port Said (A)	6	0	0	0	0	0	5	3	2	0	1	0	0	0	0	0	1	8	9
	El Arish	9	0	0	0	0	3	10	0	1	0	3	0	0	0	0	0	0	12	10
	Ghazza	11	0	0	0	0	4	3	1	0	0	1	0	0	0	0	0	11	15	10
Lower Egypt	El Sirw	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sakha	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mansoura	3	0	0	0	0	0	10	6	0	0	0	0	0	0	0	0	0	—	—
	Damanhour	2	0	0	0	0	0	7	4	0	0	0	0	0	0	0	0	0	—	—
	Tanta	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tahrir	3	0	0	0	0	0	3	8	2	0	5	1	0	0	0	0	0	—	—
	Shebin El Kom	3	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	9	0
	Zagazig	3	0	0	0	0	0	7	4	0	0	0	0	0	0	0	0	0	—	—
	Abu Sueir (A)	4	0	0	0	0	0	5	4	5	0	6	0	0	0	0	0	0	—	—
	Banha	2	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	10	1
	Zaher (A)	3	0	0	0	0	0	2	3	2	0	9	0	0	0	0	0	0	—	—
	Wadi El Natrun	3	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	—	—
	Inshas (A)	4	0	0	0	0	0	3	5	5	0	5	0	0	0	0	0	0	—	—
	Fayed (A)	4	0	0	0	0	0	4	0	0	0	3	0	0	0	0	0	0	18	1
	Kabrit (A)	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Delta Barrage	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19	1
Cairo Area	Cairo (A)	4	0	0	0	0	0	3	4	18	0	4	0	0	0	0	0	0	12	3
	Mostafa Helmi (A)	3	0	0	0	0	0	7	4	0	0	9	2	0	0	0	0	1	14	4
	Almaza (A)	3	0	0	0	0	0	6	1	16	0	2	1	0	0	0	0	0	13	3
	Abbasiya (H.Q.)	4	0	0	0	0	0	4	3	3	0	1	0	0	0	0	0	0	16	2
	Imbaba (A)	4	0	0	0	0	0	10	0	4	0	2	0	0	0	0	0	0	—	—
	Giza	2	0	0	0	0	0	4	3	0	0	0	0	0	0	0	0	0	16	2
	Helwan	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	4

Table A 8 *(contd.)*.—FREQUENCY OF OCCURRENCE OF MISCELLANEOUS WEATHER PHENOMENA.
DECEMBER 1963

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 is. below eye level ≥ 1000 motrtes	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	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	—	—
	Minya (A)	0	0	0	0	0	0	15	3	7	0	0	0	0	0	0	0	0	22	0
	Mallawi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Asyout Mangabad). (A)	0	0	0	0	0	0	2	0	7	0	1	0	0	0	0	0	0	27	0
	Shandaweel	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Nag Hammadi	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kena	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Luxor (A)	0	0	0	0	0	0	0	0	15	0	2	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	0	—	—
	Aswan (A)	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	26	0
Eastern Desert	Siwa	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	21	0
	Bahariya	0	0	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	23	1
	Farafra	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	26	0
	Dakhla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0
	Kharga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0
Western Desert	Suez	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Abu Redes	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	—	—
	Tor	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0
	Hurghada	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	26	0
	Quseir	0	0	0	0	0	0	0	0	1	0	3	1	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

DECEMBER 1963

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	1	0	0	1–10	28	9	29	15	7	25	128	144	46	15	26	47	51[illegible]
					11–27	40	16	30	32	0	3	0	32	5	9	11	46	22[illegible]
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
					All speeds	68	25	59	47	7	28	128	176	51	24	37	93	74[illegible]
	Dabaa	2	4	0	1–10	15	14	6	12	23	38	27	37	21	41	12	26	27[illegible]
					11–27	92	18	28	42	2	14	31	77	76	36	19	31	46[illegible]
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]
					All speeds	107	32	34	54	25	52	58	114	97	77	31	57	73[illegible]
	Mersa Matruh . (A)	10	0	129	1–10	7	8	9	2	5	18	55	66	81	27	12	17	307
					11–27	59	9	16	47	3	7	0	15	23	30	15	73	297
					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	66	17	25	49	8	25	55	81	104	57	27	91	605
	Dekhella . . . (A)	14	0	0	1–10	27	20	28	34	49	64	76	67	67	32	17	18	491
					11–27	129	30	7	23	11	3	0	0	0	3	19	14	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	154	50	35	57	60	67	70	67	67	35	36	32	73[illegible]
	Ras El Teen	26	0	4	1–10	12	45	55	43	65	55	40	20	33	26	13	8	409
					11–27	104	31	8	6	9	3	2	0	1[illegible]	[illegible]7	21	13	279
					28–47	7	4	0	0	0	0	0	0	0	15	0	0	26
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	123	80	63	49	74	58	42	20	48	102	34	21	714
	Alexandria . . (A)	36	0	1	1–10	22	28	72	40	46	41	52	6[illegible]	28	11	24	3[illegible]	465
					11–27	9	5	22	11	5	0	1	20	14	18	39	97	241
					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	31	33	94	51	51	41	53	85	43	29	63	133	707
	Port Said . . . (A)	0	2	10	1–10	33	29	73	53	28	32	40	53	35	22	8	11	411
					11–27	10	0	41	29	19	0	0	23	40	79	38	37	307
					28–47	1	0	0	0	0	0	0	1	0	0	4	2	8
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	44	29	114	82	38	32	40	77	75	101	50	50	73[illegible]
	El Arish	4	19	2	1–10	18	37	35	35	52	178	45	32	76	37	17	13	57[illegible]
					11–27	3	6	2	3	0	0	0	0	40	44	26	19	14[illegible]
					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	21	43	37	38	52	178	46	32	116	81	43	32	71[illegible]
	Ghazza	65	0	2	1–10	21	33	39	44	55	144	50	21	5	9	4	16	44[illegible]
					11–27	1	6	5	4	2	53	14	26	14	21	48	30	224
					28–47	0	0	0	0	0	0	0	0	0	1	10	1	1[illegible]
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	22	39	44	48	57	197	64	47	19	31	62	47	67[illegible]
Lower Egypt	Mansoura . . .	0	8	56	1–10	20	59	72	49	26	26	31	70	94	52	37	17	553
					11–27	1	4	19	8	3	0	0	11	17	20	20	24	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	21	63	91	57	29	26	31	81	111	72	57	41	68[illegible]

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

DECEMBER 1963

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	
Lower Egypt	Tanta . . . . . (A)	125	3	0	1-10	12	46	64	41	38	26	51	117	57	48	42	24	566
					11-27	4	1	13	3	0	0	0	3	0	2	9	14	49
					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	47	77	44	38	26	51	120	57	50	51	38	616
	Tahrir	25	0	0	1-10	39	55	96	4	24	45	42	61	85	81	40	56	628
					11-27	10	2	20	4	1	0	2	2	2	15	23	10	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	49	57	116	8	25	45	44	63	87	96	63	66	719
	Abu Sueir . . . (A)	84	5	0	1-10	44	77	36	28	39	22	10	78	73	17	16	18	458
					11-27	1	31	12	0	0	0	0	23	71	32	18	9	197
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	45	108	48	28	39	22	10	101	144	49	34	27	655
Cairo Area	Zaher . . . . . (A)	21	0	0	1-10	32	39	44	40	43	53	33	122	59	54	26	22	567
					11-27	1	23	18	5	1	2	3	40	15	21	13	12	154
					28-47	0	0	2	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	33	62	64	45	44	55	36	162	74	75	39	34	723
	Cairo . . . . . (A)	30	0	143	1-10	5	25	33	46	15	13	34	42	71	37	28	18	367
					11-27	7	4	54	20	5	2	25	33	13	9	22	10	204
					28-47	0	0	0	0	0	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	29	87	66	20	15	59	75	84	46	50	28	571
	Mostafa Helmi . (A)	2	5	46	1-10	26	43	54	14	24	17	51	43	49	51	32	25	429
					11-27	19	31	60	14	0	0	8	16	14	29	26	38	255
					28-47	0	0	7	0	0	0	0	0	0	0	0	0	7
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	45	74	121	28	24	17	59	59	63	80	58	63	691
	Almaza . . . . (A)	9	17	0	1-10	29	45	93	38	30	36	70	126	68	65	48	25	673
					11-27	0	3	23	5	1	0	1	5	0	3	1	2	44
					28-47	0	0	1	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	29	48	117	43	31	36	71	131	68	68	49	27	718
	Abbasiya . . . (H.Q)	151	0	18	1-10	71	76	23	3	11	23	44	97	61	42	45	41	538
					11-27	1	16	3	0	0	0	3	3	0	2	7	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	72	92	26	3	11	23	47	100	62	44	52	43	575
Upper Egypt	Giza	75	0	10	1-10	62	66	15	5	2	93	115	17	11	30	61	118	595
					11-27	6	13	14	0	0	1	5	2	0	0	9	14	64
					28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	68	79	29	5	2	94	120	19	11	30	70	132	659
	Fayoum	159	0	0	1-10	126	22	7	9	3	19	60	91	47	62	47	64	557
					11-27	6	16	0	0	0	0	0	0	0	0	1	5	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	132	38	7	9	3	19	60	91	47	62	48	69	585

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

DECEMBER 1963

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
Upper Egypt	Minya . . . . . (A)	105	4	25	1–10	121	36	1	4	12	65	45	17	11	16	59	156	543
					11–27	32	15	0	6	0	0	3	0	0	1	1	15	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	**153**	**51**	**1**	**4**	**12**	**65**	**48**	**17**	**11**	**17**	**60**	**171**	**610**
	Asyout . . . . (A)	2	0	465	1–10	8	2	3	1	3	3	3	1	8	47	76	50	205
					11–27	3	0	0	0	3	0	0	0	2	9	17	38	72
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**11**	**2**	**3**	**1**	**6**	**3**	**3**	**1**	**10**	**56**	**93**	**88**	**277**
	Luxor . . . . (A)	42	0	0	1–10	43	95	45	45	33	35	71	52	31	30	41	130	651
					11–27	1	15	8	1	0	0	0	0	3	1	4	18	51
					28–47	0	0	0	0	0	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**	**110**	**53**	**46**	**33**	**35**	**71**	**52**	**34**	**31**	**45**	**148**	**702**
	Aswan . . . . (A)	3	0	16	1–10	170	257	60	0	1	1	3	0	2	5	9	47	555
					11–27	29	88	42	0	0	1	0	0	1	2	4	3	170
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**199**	**345**	**102**	**0**	**1**	**2**	**3**	**0**	**3**	**7**	**13**	**50**	**725**
Western Desert	Siwa	174	5	4	1–10	8	14	19	58	94	32	38	30	18	108	39	12	470
					11–27	4	7	2	45	1	7	1	4	0	5	6	9	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	**12**	**21**	**21**	**103**	**95**	**39**	**39**	**34**	**18**	**113**	**45**	**21**	**561**
	Dakhla	98	5	0	1–10	39	54	30	31	45	21	23	38	32	91	113	124	641
					11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
					28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
					≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
					All speeds	**39**	**54**	**30**	**31**	**45**	**21**	**23**	**38**	**32**	**91**	**113**	**124**	**641**
Red Sea	Hurghada	15	2	0	1–10	44	13	12	10	14	3	4	18	6	153	90	42	409
					11–27	2	1	10	0	0	0	0	0	3	111	106	84	317
					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	**46**	**14**	**22**	**10**	**14**	**3**	**4**	**18**	**9**	**264**	**196**	**127**	**727**
	Quseir	10	0	6	1–10	96	25	15	9	4	1	6	1	40	272	54	51	574
					11–27	31	1	4	0	0	0	0	0	4	47	22	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	**127**	**26**	**19**	**9**	**4**	**1**	**6**	**1**	**44**	**319**	**76**	**96**	**728**

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

SALLUM — DECEMBER 1963

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	0	0	0	1	1	2	3	4	1	16
				11–27	0	0	2	1	1	0	0	0	4	2	1	0	11
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	2	1	1	0	1	1	6	5	5	1	27
0300	5	0	0	1–10	1	1	0	0	0	0	0	4	2	5	2	1	16
				11–27	0	1	1	2	0	0	0	1	2	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	1	2	1	2	0	0	0	5	4	7	2	2	26
0600	4	0	0	1–10	1	1	0	0	0	0	0	3	1	4	1	2	13
				11–27	1	0	2	1	0	0	1	1	4	3	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	2	1	2	1	0	0	1	4	5	7	2	2	27
0900	4	0	0	1–10	0	1	0	1	1	0	1	1	3	7	0	2	17
				11–27	0	3	2	0	0	0	0	0	3	1	1	0	10
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	4	2	1	1	0	1	1	6	8	1	2	27
1200	2	0	0	1–10	1	3	0	0	0	2	0	3	3	2	0	2	16
				11–27	0	0	4	1	0	0	0	1	4	1	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	1	3	4	1	0	2	0	4	7	3	2	2	29
1500	5	0	0	1–10	2	2	1	3	0	0	1	2	4	4	0	3	22
				11–27	0	0	2	0	0	0	0	0	1	0	1	0	4
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	3	3	0	0	1	2	5	4	1	3	26
1800	5	0	0	1–10	1	0	0	0	2	0	1	0	4	2	1	4	15
				11–27	0	1	1	3	0	0	0	2	2	1	0	1	11
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	1	3	2	0	1	2	6	3	1	5	26
2100	8	0	0	1–10	1	1	0	0	0	1	0	3	1	4	2	1	14
				11–27	0	1	1	2	0	1	0	0	4	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	2	1	2	0	2	0	3	5	4	2	1	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) — DECEMBER 1963

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	1	0	1	3	1	1	1	2	0	0	10
				11-27	3	1	1	2	0	0	2	3	4	3	0	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 speed	4	1	2	2	1	3	3	4	5	5	0	1	31
0300	1	0	0	1-10	0	1	0	0	0	2	0	0	1	1	1	0	6
				11-27	3	1	1	2	0	0	5	2	6	2	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	3	2	1	2	0	2	5	2	7	3	1	2	30
0600	1	0	0	1-10	1	1	0	0	2	1	0	0	1	2	1	0	9
				11-27	3	1	1	2	0	0	2	5	7	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 s eeds	4	2	1	2	2	1	2	5	8	2	1	0	30
0900	0	0	0	1-10	0	1	0	0	2	1	1	1	1	3	2	0	12
				11-27	4	2	2	1	0	0	0	2	4	2	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	4	3	2	1	2	1	1	3	5	5	3	1	31
1200	0	0	0	1-10	0	1	0	1	0	0	1	0	1	2	1	3	10
				11-27	4	3	2	2	0	1	1	2	3	0	3	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	4	4	2	3	0	1	2	2	4	2	4	3	31
1500	0	0	0	1-10	1	2	0	2	3	1	2	2	1	1	0	3	18
				11-27	3	1	1	2	0	0	0	0	1	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	4	3	1	4	3	1	2	2	2	2	1	6	31
1800	0	0	0	1-10	0	1	0	1	2	1	2	1	1	3	1	2	15
				11-27	4	1	1	1	0	1	3	2	1	1	1	0	16
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	2	1	2	2	2	5	3	2	4	2	2	31
2100	0	0	0	1-10	0	0	1	0	2	1	1	3	3	2	1	1	15
				11-27	2	1	1	1	0	1	3	2	2	1	0	1	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	3	1	2	1	2	2	4	5	5	3	1	2	31

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

DEKHEILA (A) — DECEMBER 1963

Hour (U.T.)	Clam	Variable	Not observed	Wind speed in knots	Number of cases of occurrences of wind blowing from the ranges of directions indicated												
					345 / 014	015 / 044	045 / 074	075 / 104	105 / 134	135 / 164	165 / 194	195 / 224	225 / 254	255 / 284	285 / 314	315 / 344	All directions
0000	2	0	0	1—10	1	0	0	3	1	3	4	3	1	2	0	1	19
				11—27	6	0	0	0	0	1	1	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	7	0	0	3	1	4	5	3	1	2	0	3	29
0300	0	0	0	1—10	2	1	0	4	2	2	5	2	4	1	0	1	24
				11—27	5	1	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	7	2	0	4	2	2	5	2	4	1	1	1	31
0600	0	0	0	1—10	1	0	0	3	0	4	5	3	6	1	0	1	24
				11—27	5	1	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	6	1	0	3	0	4	5	3	6	1	0	2	31
0900	0	0	0	1—10	0	3	0	0	2	2	4	3	4	3	0	0	21
				11—27	4	1	1	1	1	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	4	4	1	1	3	2	4	3	4	4	0	1	31
1200	0	0	0	1—10	1	1	3	0	1	2	0	1	2	3	4	0	18
				11—27	6	2	0	3	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	7	3	3	3	1	2	0	1	2	3	6	0	31
1500	2	0	0	1—10	1	2	5	2	1	0	0	0	2	2	2	2	19
				11—27	6	1	0	2	0	0	0	0	0	0	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	7	3	5	4	1	0	0	0	2	2	3	2	29
1800	3	0	0	1—10	2	0	2	3	6	1	1	1	2	0	0	1	19
				11—27	6	1	0	1	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	8	1	2	4	6	1	1	1	2	1	0	1	28
2100	1	0	0	1—10	1	0	0	2	1	5	2	4	1	1	0	3	20
				11—27	6	0	1	1	1	0	0	0	0	0	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	7	0	1	3	2	5	2	4	1	1	1	3	30

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

RAS EL TEEN — DECEMBER 1963

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	1	1	4	6	2	1	0	1	0	0	1	22
				11-27	0	2	0	0	0	0	0	0	0	4	1	0	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	3	1	4	6	2	1	0	1	4	1	1	29
0300	1	0	0	1-10	1	1	3	1	5	3	3	0	0	1	0	0	18
				11-27	3	2	0	0	0	0	0	0	1	1	3	1	11
				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	4	3	1	5	3	3	0	1	2	3	1	30
0600	2	0	0	1-10	0	1	4	2	4	3	0	2	0	0	0	1	17
				11-27	3	1	0	0	1	0	0	1	1	2	2	0	11
				28-47	0	1	0	0	0	0	0	0	0	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	3	4	2	5	3	0	3	1	2	2	1	29
0900	2	0	0	1-10	1	2	0	0	3	2	3	1	1	1	0	1	15
				11-27	1	2	2	0	1	1	0	0	1	1	2	1	12
				28-47	1	0	0	0	0	0	0	0	0	1	0	0	2
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	4	2	0	4	3	3	1	2	3	2	2	29
1200	2	0	0	1-10	2	2	0	0	2	0	1	1	5	3	0	0	16
				11-27	4	2	0	0	0	0	0	0	1	1	2	1	11
				28-47	1	0	0	0	0	0	0	0	0	1	0	0	2
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	4	0	0	2	0	1	1	6	5	2	1	29
1500	3	0	0	1-10	2	4	1	0	1	0	0	1	0	4	0	1	14
				11-27	4	3	0	0	0	0	0	0	1	3	2	0	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	6	7	1	0	1	0	0	1	1	8	2	1	28
1800	6	0	0	1-10	0	3	5	2	0	0	0	1	0	0	0	0	11
				11-27	5	1	0	0	1	0	0	0	1	2	2	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	5	4	5	2	1	0	0	1	1	3	2	1	25
2100	2	0	0	1-10	0	2	2	2	4	2	0	1	0	1	0	0	14
				11-27	4	2	0	1	1	0	0	0	1	3	1	1	14
				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	4	2	3	5	2	0	1	1	5	1	1	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 1963

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	7	0	0	1-10	0	1	3	0	3	2	1	2	2	1	2	4	21
				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	0	2	3	0	3	2	1	2	2	1	2	6	24
0300	5	0	0	1-10	1	0	3	3	2	1	4	2	2	0	1	3	22
				11-27	0	0	0	0	0	0	0	0	0	1	0	3	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	3	3	2	1	4	2	2	1	1	6	26
0600	8	0	0	1-10	0	1	2	1	1	2	3	3	0	1	1	3	18
				11-27	1	0	0	0	0	0	0	1	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	1	1	2	1	1	2	3	4	0	1	1	6	23
0900	2	0	0	1-10	1	0	1	2	3	1	4	5	2	1	1	3	24
				11-27	2	0	1	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	3	0	2	2	3	1	4	5	2	1	3	3	29
1200	1	0	0	1-10	2	0	1	2	1	0	0	5	1	2	2	3	19
				11-27	1	0	2	0	0	0	0	0	2	1	1	3	10
				28-47	0	0	1	0	0	0	0	0	0	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	4	2	1	0	0	5	3	3	3	6	30
1500	2	0	0	1-10	1	4	3	5	0	0	0	2	4	3	0	4	23
				11-27	0	0	1	1	0	0	0	0	0	1	0	3	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	4	4	3	0	0	0	2	4	4	0	7	29
1800	5	0	0	1-10	2	2	5	4	1	0	0	2	1	1	2	3	23
				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	2	2	5	4	1	0	0	2	1	1	2	6	26
2100	4	0	0	1-10	0	1	4	2	4	1	0	1	2	3	0	6	24
				11-27	0	0	1	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	0	1	5	2	4	1	0	1	2	3	0	8	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) — DECEMBER 1963

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	1	2	5	3	2	2	2	1	6	0	0	26
				11-27	0	0	0	1	0	0	0	1	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	2	1	2	6	3	2	2	3	3	6	0	1	31
0300	0	0	0	1-10	2	2	1	2	1	1	1	4	5	3	1	0	23
				11-27	0	0	1	2	0	0	0	0	0	1	1	2	7
				28-47	0	0	0	0	0	0	0	0	0	0	1	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	2	2	4	1	1	1	4	5	4	3	2	31
0600	0	0	0	1-10	1	2	2	2	1	2	4	1	5	3	0	1	24
				11-27	0	0	0	2	0	0	0	0	3	0	0	1	6
				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	2	2	4	1	2	4	1	8	3	1	2	31
0900	0	0	0	1-10	1	1	1	5	1	1	4	4	4	2	0	0	24
				11-27	1	0	1	0	0	0	0	0	2	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	2	1	2	5	1	1	4	4	6	4	1	0	31
1200	0	0	0	1-10	5	3	1	3	1	0	2	2	2	3	2	1	25
				11-27	1	0	1	0	0	0	0	0	0	2	1	1	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	3	2	3	1	0	2	2	2	5	3	2	31
1500	0	0	0	1-10	1	2	7	3	1	0	0	0	2	4	2	2	24
				11-27	1	0	2	0	0	0	0	0	0	2	0	1	6
				28-47	0	1	0	0	0	0	0	0	0	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	3	9	3	1	0	0	0	2	6	2	3	31
1800	0	0	0	1-10	1	1	6	5	2	1	1	0	2	5	1	0	25
				11-27	0	0	1	1	0	0	0	0	0	1	1	2	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	7	6	2	1	1	0	2	6	2	2	31
2100	1	0	0	1-10	0	1	2	3	4	1	1	3	4	1	1	1	22
				11-27	1	0	1	1	0	0	0	0	0	2	2	0	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	3	4	4	1	1	3	4	3	3	1	30

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

EL ARISH — DECEMBER 1963

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	1	0	1	9	7	2	6	0	0	1	27
				11-27	0	0	0	0	0	0	0	0	1	1	1	1	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	1	0	1	9	7	2	7	1	1	2	31
0300	2	0	0	1-10	0	0	0	2	1	10	5	0	5	1	1	0	25
				11-27	0	0	0	0	0	0	0	0	3	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	0	0	0	2	1	10	5	0	8	1	1	1	29
0600	2	0	0	1-10	0	0	0	2	2	11	2	2	5	2	1	0	27
				11-27	1	0	0	0	0	6	0	0	1	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	2	2	11	2	2	6	2	1	0	29
0900	0	0	0	1-10	0	1	2	1	1	6	4	3	4	1	1	1	25
				11-27	0	0	0	1	0	0	0	0	1	2	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	0	1	2	2	1	6	4	3	5	3	3	1	31
1200	0	0	0	1-10	3	6	2	3	0	0	1	0	0	1	5	2	23
				11-27	0	1	0	0	0	0	0	0	2	2	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	3	7	2	3	0	0	1	0	2	3	6	4	31
1500	2	0	0	1-10	2	5	5	2	0	0	0	1	1	3	4	1	25
				11-27	0	1	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	2	6	5	2	0	0	0	1	1	4	6	2	29
1800	9	0	0	1-10	0	0	1	4	2	2	0	0	3	3	2	0	17
				11-27	0	0	1	0	0	0	0	0	1	1	0	2	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	2	4	2	2	0	0	4	4	2	2	22
2100	5	0	0	1-10	0	0	2	0	1	10	0	3	5	1	1	0	23
				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	0	0	2	0	1	10	0	3	6	3	1	0	26

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

GHAZZA — DECEMBER 1963

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	3	4	7	3	0	0	0	0	0	17
				11-27	1	0	0	0	0	5	3	0	1	1	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	1	0	0	3	4	12	6	0	1	1	2	0	30
0300	0	0	1	1-10	0	0	0	2	2	8	5	0	1	0	0	0	18
				11-27	1	0	0	0	1	5	2	0	0	0	1	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	1	0	0	2	3	13	7	0	1	1	1	1	30
0600	0	0	0	1-10	0	0	1	2	1	14	1	1	0	1	0	0	21
				11-27	0	0	0	0	0	3	2	1	0	0	0	2	8
				28-47	0	0	0	0	0	0	0	0	0	0	1	1	2
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	1	2	1	17	3	2	0	1	1	3	31
0900	2	0	0	1-10	0	0	1	0	0	3	3	4	5	0	2	2	20
				11-27	1	0	0	0	0	0	0	2	0	0	1	3	7
				28-47	0	0	0	0	0	0	0	0	1	0	1	0	2
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	1	0	0	3	3	6	6	0	4	5	29
1200	0	0	0	1-10	3	5	0	0	0	1	0	0	3	1	1	4	18
				11-27	2	0	0	0	0	0	0	0	3	1	5	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	5	5	0	0	0	1	0	0	6	2	6	6	31
1500	0	0	0	1-10	5	6	4	1	1	0	0	2	2	0	1	0	22
				11-27	1	0	1	0	0	0	0	0	2	1	2	2	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	6	5	1	1	0	0	2	4	1	3	2	31
1800	0	0	0	1-10	2	1	4	7	4	3	2	0	0	0	0	1	24
				11-27	0	0	1	0	0	0	0	0	0	3	1	2	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	5	7	4	3	2	0	0	3	1	3	31
2100	0	0	0	1-10	0	0	2	1	5	13	3	1	0	0	0	0	25
				11-27	0	0	0	0	0	3	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	0	0	2	1	5	16	3	1	0	1	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) — DECEMBER 1963

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	3	0	1	0	0	5	7	0	0	0	16
				11-27	0	0	0	0	0	0	0	0	2	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	3	0	1	0	0	5	9	0	0	0	18
0300	14	0	0	1-10	1	0	1	0	2	0	0	5	5	1	0	0	15
				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	1	0	2	0	0	5	7	1	0	0	17
0600	13	0	0	1-10	0	1	1	0	3	0	1	3	4	0	0	0	13
				11-27	0	0	0	0	0	0	0	0	3	1	1	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	1	0	3	0	1	3	7	1	1	0	18
0900	3	0	0	1-10	0	4	1	4	1	1	0	2	4	0	0	0	17
				11-27	0	2	1	0	0	0	0	1	2	2	2	1	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	6	2	4	1	1	0	3	6	2	2	1	28
1200	2	0	0	1-10	1	7	2	1	0	0	0	1	1	2	0	1	16
				11-27	0	1	2	0	0	0	0	1	3	2	1	2	12
				28-47	0	0	0	0	0	0	0	0	0	1	0	0	1
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	8	4	1	0	0	0	2	4	5	1	3	29
1500	1	0	0	1-10	4	3	0	1	0	0	0	1	4	1	2	3	19
				11-27	1	5	0	0	0	0	0	0	0	4	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	5	8	0	1	0	0	0	1	4	5	3	3	30
1800	6	0	0	1-10	3	5	3	0	0	0	0	2	7	0	1	1	22
				11-27	0	1	0	0	0	0	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	3	6	3	0	0	0	0	3	7	1	1	1	25
2100	13	0	0	1-10	0	4	1	1	0	0	0	2	5	3	0	0	16
				11-27	0	0	0	0	0	0	0	0	2	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	4	1	1	0	0	0	2	7	3	0	0	18

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

CAIRO (A) — DECEMBER 1963

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	0	2	1	2	3	2	0	5	2	0	2	20
				11-27	0	0	1	1	1	1	2	0	2	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	1	0	3	2	3	4	4	0	7	2	0	3	29
0300	5	0	0	1-10	0	0	2	1	2	1	3	4	2	4	1	0	20
				11-27	0	0	1	2	0	0	1	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	0	0	3	3	2	1	4	6	2	4	1	0	26
0600	6	0	0	1-10	0	0	0	1	1	1	3	2	2	3	2	1	16
				11-27	1	1	0	2	0	0	3	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	1	0	3	1	1	6	4	2	3	2	1	25
0900	3	0	0	1-10	0	2	2	0	0	0	0	3	3	2	0	1	13
				11-27	0	0	4	2	0	0	0	4	1	1	1	2	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	2	6	2	0	0	0	7	4	3	1	3	28
1200	0	0	0	1-10	1	3	2	1	0	0	0	3	1	0	2	2	15
				11-27	2	1	3	0	0	0	1	2	4	0	2	1	16
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	4	5	1	0	0	1	5	5	0	4	3	31
1500	0	0	0	1-10	3	0	2	0	0	1	0	5	1	2	5	5	24
				11-27	1	0	4	0	0	0	0	1	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	4	0	6	0	0	1	0	6	1	2	6	5	31
1800	1	0	0	1-10	1	0	3	6	2	0	3	1	2	5	2	0	25
				11-27	0	0	1	2	0	0	0	2	0	0	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	4	8	2	0	3	3	2	5	2	0	30
2100	0	0	0	1-10	2	0	2	6	3	2	4	1	3	4	0	0	27
				11-27	0	0	1	1	0	0	1	1	0	0	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	3	7	3	2	5	2	3	4	0	0	31

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

MOSTAFA HELMI — DECEMBER 1963

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	1	6	0	1	1	3	4	1	3	3	0	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	1	6	0	1	1	3	4	1	5	3	0	27
0300	1	0	0	1-10	1	1	4	2	0	2	2	2	5	2	3	1	25
				11-27	0	0	2	0	0	0	1	0	0	0	1	1	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	6	2	0	2	3	2	5	2	4	2	30
0600	2	0	0	1-10	0	0	1	2	0	5	2	2	6	1	2	2	23
				11-27	0	0	3	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	0	0	4	2	0	5	2	2	6	2	3	3	29
0900	0	0	0	1-10	1	1	4	3	0	1	1	1	4	1	1	3	21
				11-27	2	0	2	0	0	0	0	2	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	3	1	6	3	0	1	1	3	5	1	3	4	31
1200	2	0	0	1-10	0	3	4	1	0	0	0	1	3	1	5	1	19
				11-27	1	2	1	0	0	0	0	1	0	0	0	2	7
				28-47	0	0	2	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	1	5	7	1	0	0	0	2	3	1	5	4	29
1500	0	0	0	1-10	6	5	5	0	0	0	1	3	0	0	0	3	23
				11-27	0	0	2	0	0	0	0	1	0	1	2	2	8
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	5	7	0	0	0	1	4	0	1	2	5	31
1800	0	0	0	1—10	4	3	6	1	0	1	3	1	1	0	3	3	26
				11-27	0	1	1	1	0	0	0	0	1	1	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥4	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	4	7	2	0	1	3	1	2	1	3	3	31
2100	1	0	0	1-10	1	2	4	3	1	3	1	2	2	2	2	0	23
				11-27	0	1	3	1	0	0	0	0	0	1	1	0	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	3	7	4	1	3	1	2	2	3	3	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) — DECEMBER 1963

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	2	2	3	3	3	2	3	8	1	1	29
				11-27	0	0	1	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	3	2	3	3	3	2	3	8	1	1	30
0300	2	0	0	1-10	0	0	3	1	2	2	4	7	2	4	3	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	0	0	4	1	2	2	4	7	2	4	3	0	29
0600	2	0	0	1-10	0	0	5	0	2	3	3	5	4	3	2	0	27
				11-27	0	0	0	1	0	0	1	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	5	1	2	3	4	5	4	3	2	0	29
0900	0	0	0	1-10	2	4	4	3	0	0	1	5	5	0	2	1	27
				11-27	1	0	1	0	0	0	0	2	0	0	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	4	5	3	0	0	1	7	5	0	2	1	31
1200	0	0	0	1-10	1	6	3	1	0	0	1	2	7	1	3	2	27
				11-27	1	0	2	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	2	6	5	1	0	0	1	3	7	1	3	2	31
1500	0	0	0	1-10	2	5	5	0	0	0	0	5	2	2	2	7	30
				11-27	0	0	0	0	0	0	0	0	1	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	5	5	0	0	0	0	5	3	2	2	7	31
1800	1	0	0	1-10	1	2	3	4	4	0	4	2	2	3	4	0	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	1	2	4	4	4	0	4	2	2	3	4	0	30
2100	1	0	0	1-10	1	1	5	1	4	1	1	5	4	3	1	1	28
				11-27	0	0	1	0	1	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	6	1	5	1	1	5	4	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

ABBASIYA (H.Q.) — DECEMBER 1963

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	3	0	1	0	0	1	0	7	2	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	1	3	0	1	0	0	1	0	7	2	0	0	15
0300	14	0	0	1-10	2	3	0	0	0	1	2	3	3	1	2	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	2	3	0	0	0	1	2	3	3	1	2	0	17
0600	10	0	0	1-10	1	4	0	0	0	0	5	3	4	1	1	1	20
				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	4	1	0	0	0	5	3	4	1	1	1	21
0900	2	0	0	1-10	0	7	2	0	0	0	0	7	3	2	0	4	25
				11-27	0	1	0	0	0	0	1	1	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	0	8	2	0	0	0	1	8	3	2	0	5	29
1200	0	0	0	1-10	5	4	1	0	0	0	2	9	1	2	2	3	29
				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	5	5	1	0	0	0	2	9	1	2	2	4	31
1500	6	0	0	1-10	6	2	1	0	0	1	2	2	0	2	3	3	22
				11-27	0	0	1	0	0	0	0	0	0	2	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	2	2	0	0	1	2	2	0	4	3	3	25
1800	9	0	0	1-10	3	4	0	2	0	0	2	1	3	2	2	1	20
				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	3	5	0	2	0	0	2	1	3	2	3	1	22
2100	13	0	0	1-10	0	4	1	0	1	0	3	1	1	5	1	0	17
				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	0	4	2	0	1	0	3	1	1	5	1	0	18

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

GIZA — DECEMBER 1963

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	3	0	0	0	6	2	1	1	0	3	4	21
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	3	0	0	0	6	2	1	1	0	3	4	21
0300	5	0	0	1-10	4	3	0	0	0	7	5	0	0	1	4	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	4	3	0	0	0	7	5	0	0	1	4	2	26
0600	5	0	0	1-10	4	2	1	6	8	0	0	0	0	1	1	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	4	2	1	6	8	0	0	0	0	1	1	3	26
0900	0	0	0	1-10	5	1	1	0	0	3	9	0	0	0	1	2	22
				11-27	2	0	2	1	0	0	2	0	0	0	2	0	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	7	1	3	1	0	3	11	0	0	0	3	2	31
1200	1	0	0	1-10	3	3	3	0	0	3	2	4	0	1	2	1	22
				11-27	1	1	1	0	0	0	1	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	4	4	4	0	0	3	3	4	0	1	2	5	30
1500	3	0	0	1-10	8	5	0	0	0	1	5	0	0	1	2	3	25
				11-27	0	1	1	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	8	6	1	0	0	1	5	0	0	1	2	4	28
1800	6	0	0	1-10	2	5	1	0	0	1	3	1	1	2	2	6	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	2	6	1	0	0	1	3	1	1	2	2	6	25
2100	11	0	0	1-10	2	1	2	0	0	2	3	0	2	0	2	5	19
				11-27	0	0	1	0	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	3	0	0	2	3	0	2	0	2	5	20

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

HELWAN — DECEMBER 1963

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	4	4	1	0	1	0	0	1	1	1	1	16
				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	2	5	4	1	0	2	0	0	1	1	1	1	18
0300	12	0	0	1-10	0	5	3	2	0	0	0	0	0	0	0	0	17
				11-27	0	1	0	1	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	6	3	3	0	0	0	0	0	0	0	0	19
0600	11	0	0	1-10	1	3	2	0	3	3	3	0	0	0	0	2	17
				11-27	0	1	0	0	1	0	1	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	4	2	0	4	3	4	0	0	0	0	2	20
0900	5	0	0	1-10	1	1	0	1	0	3	9	1	2	1	0	0	19
				11-27	2	0	1	1	0	0	0	1	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	3	1	1	2	0	3	9	2	2	1	1	1	26
1200	5	0	0	1-10	6	1	0	0	1	0	6	1	3	1	1	1	15
				11-27	4	1	1	0	0	0	1	0	0	1	2	1	11
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	2	1	0	1	0	7	1	3	2	3	2	26
1500	4	0	0	1-10	2	3	1	0	0	1	1	2	0	2	1	3	16
				11-27	0	4	0	0	0	0	0	0	0	2	2	2	10
				28-47	0	1	0	0	0	0	0	0	0	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	8	1	0	0	1	1	2	0	4	3	5	27
1800	9	0	0	1-10	3	2	1	0	0	0	2	2	0	2	2	1	15
				11-27	1	2	2	1	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	5	3	1	0	0	2	2	0	2	2	1	23
2100	5	0	0	1-10	3	7	3	0	0	1	1	2	0	1	3	3	24
				11-27	0	0	0	1	0	0	0	0	0	0	0	0	1
				28-47	0	1	0	0	0	0	0	0	0	0	0	0	1
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	8	3	1	0	1	1	2	0	1	3	3	26

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

MINYA (A) — DECEMBER 1963

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	4	0	0	0	1	4	1	0	0	1	1	12	24
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	0	0	0	1	4	1	0	0	1	1	12	24
0300	5	0	0	1-10	6	1	0	0	0	3	2	0	0	0	4	9	26
				11-27	1	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	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	3	2	0	0	0	4	9	26
0600	8	0	0	1-10	1	1	0	0	0	7	1	0	0	0	2	11	23
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	0	0	0	7	1	0	0	0	2	11	23
0900	4	0	0	1-10	2	1	0	0	0	2	6	0	1	2	1	6	21
				11-27	3	0	0	0	0	0	1	0	0	0	0	2	6
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	1	0	0	0	2	7	0	1	2	1	8	27
1200	4	0	0	1-10	2	1	0	0	0	2	1	0	4	2	1	5	18
				11-27	4	2	0	0	0	0	0	0	0	0	0	3	9
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	3	0	0	0	2	1	0	4	2	1	8	27
1500	8	0	0	1-10	8	2	0	0	2	0	0	0	0	0	3	5	20
				11-27	2	1	0	0	0	0	0	0	0	0	0	0	3
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	3	0	0	2	0	0	0	0	0	3	5	23
1800	10	0	0	1-10	8	2	0	0	1	1	2	0	0	1	0	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	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	10	2	0	0	1	1	2	0	0	1	0	4	21
2100	10	0	0	1-10	2	2	0	0	0	2	1	0	0	0	4	9	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	3	2	0	0	0	2	1	0	0	0	4	9	21

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

ASYOUT (A) — DECEMBER 1963

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	1	0	1	5	2	1	3	8	9	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	0	0	1	0	1	5	2	1	3	8	9	1	31
0300	1	0	0	1-10	0	0	1	2	2	2	2	0	0	15	4	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	1	2	2	2	2	0	0	16	5	0	30
0600	2	0	0	1-10	1	0	0	0	3	5	1	2	1	11	4	0	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	1	0	0	0	3	5	1	2	1	11	5	0	29
0900	10	0	0	1-10	2	1	0	2	0	0	1	0	1	1	7	4	19
				11-27	0	0	0	0	0	0	0	0	0	0	0	2	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	0	2	0	0	1	0	1	1	7	6	21
1200	6	0	0	1-10	3	1	1	0	0	0	0	0	0	1	3	6	15
				11-27	1	0	0	0	1	0	0	0	0	1	2	5	10
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	1	1	0	1	0	0	0	0	2	5	11	25
1500	3	0	0	1-10	4	1	1	0	1	0	0	0	0	1	9	9	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	5	1	1	0	1	0	0	0	0	1	9	10	28
1800	1	0	0	1-10	2	0	1	0	0	0	1	2	2	11	9	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	2	0	1	0	0	0	1	2	2	11	9	2	30
2100	1	0	1	1-10	0	0	0	0	1	2	0	1	3	14	7	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	0	1	2	0	1	3	15	7	1	30

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

LUXOR (A) — DECEMBER 1963

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	2	3	2	1	2	0	1	2	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	2	3	2	1	2	0	1	2	1	1	1	1	17
0300	20	0	0	1-10	0	1	0	1	1	1	3	2	0	1	1	0	11
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	1	0	1	1	1	3	2	0	1	1	0	11
0600	17	0	0	1-10	2	1	1	1	0	1	1	4	2	0	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	2	1	1	1	0	1	1	4	2	0	0	1	14
0900	3	0	0	1-10	4	7	0	2	0	0	0	0	1	0	1	11	26
				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	4	9	0	2	0	0	0	0	1	0	1	11	28
1200	0	0	0	1-10	5	2	0	0	1	0	0	1	1	0	1	18	29
				11-27	0	1	0	0	0	0	0	1	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	3	0	0	1	0	0	2	1	0	1	18	31
1500	14	0	0	1-10	5	2	1	0	0	0	0	0	1	0	2	5	15
				11-27	0	0	0	0	0	0	0	0	0	0	1	1	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	2	1	0	0	0	0	0	1	0	3	6	17
1800	14	0	0	1-10	0	2	0	1	1	0	4	2	0	0	4	2	16
				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	3	0	1	1	0	4	2	0	0	4	2	17
2100	8	0	0	1-10	6	2	1	0	0	4	1	6	1	0	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	6	2	1	0	0	4	1	6	1	0	1	1	23

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

ASWAN (A) — DECEMBER 1963

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	7	1	0	0	0	0	0	0	0	2	2	26
				11-27	1	4	0	0	0	0	0	0	0	0	0	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	15	11	1	0	0	0	0	0	0	0	2	2	31
0300	1	0	0	1-10	12	11	0	0	0	0	0	0	0	0	1	1	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	12	11	0	0	0	0	0	0	0	0	1	3	30
0600	2	0	0	1-10	16	9	0	0	0	0	0	0	0	1	0	3	29
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	16	9	0	0	0	0	0	0	0	1	0	3	29
0900	2	0	0	1-10	4	10	1	0	0	0	1	0	0	0	0	0	16
				11-27	4	8	1	0	0	0	0	0	0	0	0	0	13
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	18	2	0	0	0	1	0	0	0	0	0	29
1200	0	0	0	1-10	10	3	3	2	0	0	0	1	0	0	0	0	19
				11-27	4	4	3	1	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	14	7	6	3	0	0	0	1	0	0	0	0	31
1500	0	0	0	1-10	9	4	2	1	0	0	0	0	0	0	0	1	17
				11-27	3	4	3	0	0	0	0	0	0	1	0	3	14
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	12	8	5	1	0	0	0	0	0	1	0	4	31
1800	0	0	0	1-10	9	7	1	0	0	0	0	0	0	1	2	0	20
				11-27	5	2	2	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	14	9	3	0	0	0	0	0	0	1	2	2	31
2100	0	0	0	1-10	11	7	1	0	0	0	0	0	0	0	2	4	25
				11-27	1	2	2	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	12	9	3	0	0	0	0	0	0	0	2	5	31

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

SIWA — DECEMBER 1963

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	0	2	2	0	1	0	0	4	2	0	13
				11-27	0	0	0	2	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	0	0	4	2	0	1	0	0	4	2	0	15
0300	21	0	0	1-10	0	0	1	3	0	0	0	0	1	1	3	0	9
				11-27	0	0	0	1	0	0	0	0	0	0	0	0	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	0	0	1	4	0	0	0	0	1	1	3	0	10
0600	18	0	0	1-10	0	0	1	1	4	1	0	0	0	4	1	0	13
				11-27	0	0	0	1	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	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	2	4	1	0	0	0	4	1	0	13
0900	6	0	0	1-10	0	1	1	0	2	3	1	1	3	5	1	2	20
				11-27	0	0	0	3	0	1	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	0	1	1	3	2	4	1	1	3	5	1	3	25
1200	0	0	0	1-10	0	1	1	3	1	2	3	2	3	3	2	0	21
				11-27	1	0	0	3	1	1	0	0	1	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	1	1	1	6	2	3	3	2	4	5	2	1	31
1500	2	0	0	1-10	0	1	0	3	2	1	4	3	2	4	2	2	24
				11-27	0	0	1	2	0	1	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	0	1	1	5	2	2	4	3	2	4	2	3	29
1800	13	0	0	1-10	1	1	1	4	1	0	2	3	0	4	0	0	17
				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	1	1	5	1	0	2	3	0	4	0	0	18
2100	14	0	0	1-10	1	1	2	3	1	0	1	0	2	2	2	0	15
				11-27	0	0	1	1	0	0	0	0	0	0	0	0	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	3	4	1	0	1	0	2	2	2	0	17

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

BAHARIYA — DECEMBER 1963

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	21	0	0	1-10	1	0	1	0	0	0	2	0	1	0	0	0	5
				11-27	1	1	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	2	1	1	0	0	0	2	0	1	0	2	1	10
0300	23	0	0	1-10	0	2	0	0	0	0	0	0	1	0	1	1	5
				11-27	0	0	1	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	0	2	1	0	0	0	0	0	1	0	2	2	8
0600	22	0	0	1-10	0	2	0	0	0	0	0	1	1	0	1	2	7
				11-27	0	0	1	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	0	2	1	0	0	0	0	1	1	0	2	2	9
0900	16	0	0	1-10	1	2	0	0	1	0	0	0	0	1	2	3	10
				11-27	0	2	0	0	0	0	0	0	0	1	1	1	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	4	0	0	1	0	0	0	0	2	3	4	15
1200	6	0	0	1-10	2	3	1	1	1	1	3	0	1	3	0	4	20
				11-27	1	1	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	3	4	1	1	1	1	3	0	1	3	2	5	25
1500	8	0	0	1-10	2	3	2	0	0	1	2	1	0	2	0	5	18
				11-27	0	0	2	0	0	0	0	0	0	1	2	0	5
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				Al speeds	2	3	4	0	0	1	2	1	0	3	2	5	23
1800	14	0	0	1 10	3	3	1	0	0	0	1	0	1	2	2	4	17
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	3	1	0	0	0	1	0	1	2	2	4	17
2100	20	0	0	1-10	2	2	1	0	0	0	1	0	2	0	0	1	9
				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
				Al speeds	2	2	1	0	0	0	1	0	2	0	1	2	11

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

DAKHLA (A) — DECEMBER 1963

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	1	0	1	3	0	3	0	3	7	3	2	24
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	1	0	1	3	0	3	0	3	7	3	2	24
0300	12	0	0	1–10	3	0	0	0	2	0	1	2	1	7	3	0	19
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	0	0	2	0	1	2	1	7	3	0	19
0600	10	0	0	1–10	1	2	2	0	0	0	1	0	4	5	3	3	21
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	2	2	0	0	0	1	0	4	5	3	3	21
0900	0	0	0	1–10	3	0	2	6	2	2	0	0	0	0	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	3	0	2	6	2	2	0	0	0	0	8	8	31
1200	0	0	0	1–10	4	4	2	2	3	2	0	0	0	2	4	7	30
				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	4	4	2	3	3	2	0	0	0	2	4	7	31
1500	1	0	0	1–10	11	4	1	2	1	1	0	0	0	0	0	10	30
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	11	4	1	2	1	1	0	0	0	0	0	10	30
1800	7	0	0	1–10	2	1	3	0	1	0	2	0	1	2	7	5	24
				11–27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28–47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	3	0	1	0	2	0	1	2	7	5	24
2100	6	0	0	1–10	0	1	2	0	1	0	1	3	2	7	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	0	1	2	0	1	0	1	3	2	7	7	1	25

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

KHARGA — DECEMBER 1963

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	1	0	0	0	0	0	0	0	0	0	1	6
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	1	0	0	0	0	0	0	0	0	0	1	6
0300	27	0	0	1-10	3	0	0	0	0	0	0	0	0	0	0	1	4
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	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	1	4
0600	26	0	0	1-10	4	0	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	4	0	0	0	0	0	0	0	0	0	0	1	5
0900	8	0	0	1-10	14	5	0	1	1	0	0	0	0	0	0	2	23
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	5	0	1	1	0	0	0	0	0	0	2	23
1200	7	0	0	1-10	13	4	0	1	2	0	0	1	0	1	0	2	24
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	13	4	0	1	2	0	0	1	0	1	0	2	24
1500	12	0	0	1-10	14	3	0	0	0	1	0	0	0	0	0	1	19
				11-27	0	0	0	0	0	0	0	0	0	0	0	0	0
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	3	0	0	0	1	0	0	0	0	0	1	19
1800	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
2100	26	0	0	1-10	4	0	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	4	0	0	0	0	0	0	0	0	0	0	1	5

Table A 10.—NUMBER OF OCCURRENCES OF CONCURRENT SURFACE WIND SPEED AND DIRECTION OBSERVED, WITHIN SPECIFIED RANGES AT THE SYNOPTIC HOURS TOR — DECEMBER 1963

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	14	6	0	0	0	1	0	0	0	0	0	0	21
				11-27	0	0	0	0	0	0	0	0	0	0	0	1	1
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	14	6	0	0	0	1	0	0	0	0	0	1	22
0300	15	0	0	1-10	5	5	1	0	0	0	0	0	0	0	0	3	14
				11-27	1	0	0	0	0	0	0	0	0	0	0	1	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	6	5	1	0	0	0	0	0	0	0	0	3	16
0600	11	0	0	1-10	10	6	0	0	0	0	0	0	0	0	0	3	19
				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	6	0	0	0	0	0	0	0	0	0	3	20
0900	16	0	0	1-10	2	0	0	0	0	0	1	0	0	2	3	3	11
				11-27	3	0	0	0	0	0	0	0	0	0	1	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	5	0	0	0	0	0	1	0	0	2	4	3	15
1200	11	0	0	1-10	0	0	0	0	0	0	1	0	0	6	7	1	15
				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	3	0	0	0	0	0	1	0	0	7	7	2	20
1500	12	0	0	1-10	3	0	0	0	0	0	1	0	0	3	5	3	15
				11-27	0	0	0	0	0	0	0	0	0	1	0	3	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	0	0	0	0	0	1	0	0	4	5	6	19
1800	16	0	0	1-10	2	1	1	0	0	2	1	0	0	1	3	2	13
				11-27	0	0	0	0	0	0	0	0	0	0	0	2	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	2	1	1	0	0	2	1	0	0	1	3	4	15
2100	18	0	0	1-10	8	3	1	0	0	0	0	0	0	0	1	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	8	3	1	0	0	0	0	0	0	0	1	0	13

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

HURGHADA — DECEMBER 1963

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	2	7	6	1	16
				11-27	0	0	1	0	0	1	0	0	0	6	6	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	1	0	0	1	0	0	2	13	12	1	30
0300	0	0	0	1-10	0	0	0	0	0	0	0	0	2	10	5	0	17
				11-27	0	0	0	1	0	0	0	0	0	9	4	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	1	0	0	0	0	2	19	9	0	31
0600	1	0	0	1-10	0	0	0	0	0	0	0	0	0	13	3	0	16
				11-27	0	0	1	0	0	0	0	0	0	10	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	0	0	1	0	0	0	0	0	0	23	6	0	30
0900	0	0	0	1-10	3	1	0	1	1	0	0	0	0	1	2	7	16
				11-27	0	0	0	0	0	0	0	0	0	0	6	9	15
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥ 48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	3	1	0	1	1	0	0	0	0	1	8	16	31
1200	0	0	0	1-10	6	5	1	1	3	0	0	0	0	0	0	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	6	5	1	1	3	0	0	0	0	0	0	15	31
1500	7	0	0	1-10	3	0	1	1	0	1	0	0	0	0	1	6	13
				11-27	0	0	0	0	0	0	0	0	0	0	0	11	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	1	0	1	0	0	0	0	1	17	24
1800	3	0	0	1-10	0	0	0	0	0	0	1	2	2	6	2	1	14
				11-28	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	1	2	2	8	11	4	28
2100	2	0	0	1-10	0	0	0	0	0	0	0	1	2	3	5	0	11
				11-27	0	0	0	0	0	0	0	0	0	14	4	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	0	0	0	0	0	0	0	1	2	17	9	0	29

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

QUSEIR — DECEMBER 1963

Hour (U.T.)	Calm	Variable	Not observed	Wind speed in knots	Number of occurrences of wind blowing from the 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	0	0	0	1-10	0	1	0	0	0	0	0	0	1	21	5	0	28
				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	0	1	0	0	0	0	0	0	1	23	5	1	31
0300	0	0	0	1-10	0	0	2	0	0	0	0	0	7	15	3	0	27
				11-27	1	0	0	0	0	0	0	0	0	3	0	0	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	2	0	0	0	0	0	7	18	3	0	31
0600	0	0	0	1-10	2	0	1	0	0	0	0	1	3	19	5	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	2	0	1	0	0	0	0	1	3	19	5	0	31
0900	0	0	0	1-10	3	4	1	1	0	0	0	0	0	2	1	12	24
				11-27	1	0	0	0	0	0	0	0	0	1	0	5	7
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	4	4	1	1	0	0	0	0	0	3	1	17	31
1200	0	0	0	1-10	12	4	2	2	0	0	0	0	0	1	0	7	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	15	4	2	2	0	0	0	0	0	1	0	7	31
1500	0	0	0	1-10	7	0	0	0	2	0	0	0	1	1	1	17	29
				11-27	1	0	0	0	0	0	0	0	0	0	0	1	2
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	8	0	0	0	2	0	0	0	1	1	1	18	31
1800	2	0	0	1-10	0	0	0	0	0	1	1	0	2	17	3	1	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	1	0	0	0	0	1	1	0	2	17	5	2	29
2100	0	0	0	1-10	0	0	0	0	0	0	1	0	6	15	5	0	27
				11-27	1	0	0	0	0	0	0	0	0	2	0	1	4
				28-47	0	0	0	0	0	0	0	0	0	0	0	0	0
				≥48	0	0	0	0	0	0	0	0	0	0	0	0	0
				All speeds	1	0	0	0	0	0	1	0	6	17	5	1	31

TABLE B 1.—UPPER AIR CLIMATOLOGICAL DATA

MERSA MATRUH (A) — 0000 U.T. — DECEMBER 1963

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 . .	29	1015mb.*	1025mb.*	1006mb.*	29	14.2	18.5	9.6	29	7.9
1000	29	173	256	96	29	15.5	23.8	11.0	29	8.1
850	29	1539	1619	1463	29	9.6	18.8	— 0.4	17	1.7
700	29	3135	3234	3027	29	1.9	7.8	— 4.0	10	—12.9
600	29	4356	4482	4235	29	— 9.3	0.1	—10.6	6	—18.5
500	29	5761	5915	5623	29	— 15.4	—10.5	—19.5	5	—26.5
400	29	7404	7588	7253	29	—28.2	—24.0	—32.1	6	—35.4
300	28	9402	9622	9264	28	—43.1	—39.7	—46.0	—	—
200	27	12023	12299	11888	27	—60.0	—53.7	—65.6	—	—
150	27	13817	14110	13539	27	—63.0	—57.5	—71.3	—	—
100	20	16288	16572	16037	20	—66.7	—62.0	—73.2	—	—
60	7	19390	19492	19310	7	—63.2	—61.0	—67.4	—	—
40	5	21911	22030	21842	5	—56.4	—53.6	—58.8	—	—
30	3	23739	23822	23685	3	—52.7	—50.0	—54.0	—	—
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

MERSA MATRUH (A) — 1200 U.T. — DECEMBER 1963

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 . .	31	1015mb.*	1025mb.*	1007mb.*	31	19.7	27.4	14.3	31	8.9
1000	31	172	248	97	31	18.7	27.4	12.9	31	7.6
850	31	1544	1617	1469	31	10.0	18.5	0.2	18	2.5
700	31	3135	3238	3037	31	2.6	7.5	— 2.3	5	— 9.6
600	31	4375	4484	4267	31	— 6.0	— 1.0	—16.6	5	—15.7
500	31	5769	5904	5776	31	—15.3	—10.3	—19.5	6	—24.2
400	31	7418	7572	7272	31	—27.7	—23.2	—32.0	6	—32.9
300	31	9326	9514	9215	31	—42.3	—36.5	—45.7	2	—43.5
200	31	12060	12286	11883	31	—59.2	—54.0	—65.4	—	—
150	31	13893	14092	13748	31	—61.9	—56.1	—67.0	—	—
100	28	16325	16564	16186	28	—66.1	—61.0	—72.0	—	—
60	6	19363	19494	19323	6	—60.3	—58.5	—62.8	—	—
40	4	22022	22223	21974	4	—52.4	—51.3	—56.7	—	—
30	1	23834	—	—	1	—48.0	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—

N = Number of observation of specified pressure surfaces.

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—0000 U.T. — DECEMBER 1963

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	1002mb.*	1006mb.*	995mb.*	30	13.3	20.8	7.2	30	3.5
1000	30	158	204	100	24	14.1	22.3	7.8	24	3.6
850	30	1526	1608	1463	30	10.8	21.4	— 0.7	18	— 1.0
700	30	3120	3262	3017	30	3.3	11.3	— 5.4	8	—12.6
600	30	4352	4530	4216	30	— 4.4	4.6	—11.3	4	—19.0
500	30	5762	5983	5583	30	—14.3	— 4.6	—20.6	4	—29.1
400	30	7415	7680	7205	30	—26.7	—16.6	—30.6	4	—35.4
300	30	9427	9774	9183	30	—41.8	—29.4	—45.0	—	—
200	29	12076	12529	11830	29	—58.2	—48.7	—62.7	—	—
150	28	13863	14386	13343	28	—62.0	—56.0	—65.7	—	—
100	26	16350	16920	16144	26	—66.5	—63.5	—70.5	—	—
60	22	19457	20010	19190	22	—62.6	—55.0	—67.2	—	—
40	14	21927	22082	21688	14	—55.2	—53.0	—59.6	—	—
30	12	23760	23948	23535	12	—52.1	—49.4	—54.9	—	—
20	11	26423	26633	26184	11	—49.6	—45.3	—52.5	—	—
10	2	31176	31303	31040	2	—46.1	—44.3	—48.0	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

HELWAN—1200 U.T. — DECEMBER 1963

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	1001mb.*	1006mb.*	995mb.*	31	20.6	28.0	13.4	31	3.5
1000	31	153	192	100	22	20.1	27.4	13.2	20	5.0
850	31	1526	1596	1471	31	10.6	18.0	— 0.7	17	— 1.7
700	31	3119	3222	3005	31	2.8	8.1	— 5.2	8	—12.4
600	31	4349	4470	4215	31	— 4.4	2.0	—10.3	1	—20.8
500	31	5751	5906	5601	31	—14.5	— 5.7	—19.2	3	—23.9
400	31	7408	7574	7226	31	—26.7	—23.3	—38.5	3	—35.7
300	31	9424	9607	9211	31	—41.6	—37.4	—47.2	—	—
200	29	12058	12274	11817	29	—58.2	—53.4	—62.0	—	—
150	29	13851	14094	13597	29	—61.9	—55.0	—66.8	—	—
100	26	16340	16545	16047	26	—67.1	—61.1	—73.3	—	—
60	21	19458	19588	19114	21	—63.6	—57.1	—78.3	—	—
40	16	21990	22164	21593	16	—55.4	—50.8	—61.0	—	—
30	13	23851	24032	23396	13	—51.3	—47.6	—60.7	—	—
20	7	26486	26714	26005	7	—47.8	—43.7	—52.0	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) —0000 U.T. — DECEMBER 1963

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	* 991mb.	* 995mb.	* 991mb.	31	13.4	19.4	7.5	31	1.8
1000	—	—	—	—	—	—	—	—	—	—
850	31	1504	1543	1408	31	10.5	15.8	1.1	18	— 2.7
700	31	3103	3189	3041	31	4.2	9.1	0.0	2	— 9.6
600	31	4339	4422	4265	31	— 4.0	0.8	— 8.1	—	—
500	31	5754	5854	5677	31	—13.2	— 6.8	—16.4	—	—
400	31	7415	7528	7327	31	—25.5	—17.8	—29.7	2	—35.0
300	31	9438	9591	9330	31	—40.9	—31.9	—44.8	—	—
200	31	12091	12359	11952	31	—58.3	—49.4	—62.6	—	—
150	31	13870	14198	13726	31	—65.4	—59.0	—71.2	—	—
100	27	16290	16673	16129	27	—73.7	—68.7	—78.2	—	—
60	19	19300	19723	19145	19	—68.1	—60.6	—76.8	—	—
40	18	21790	22137	21524	18	—60.2	—55.8	—70.8	—	—
30	13	23404	23899	23425	13	—57.1	—52.4	—66.9	—	—
20	9	26182	26396	26019	9	—50.4	—48.1	—53.7	—	—
10	2	30718	30815	30620	2	—45.3	—43.4	—47.2	—	—

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

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

Table B 1.—UPPER AIR CLIMATOLOGICAL DATA

ASWAN (A) — 1200 U.T. — DECEMBER 1963

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	* 993mb.	* 995mb.	* 990mb.	30	25.6	31.5	17.0	30	4.8
1000	—	—	—	—	—	—	—	—	—	—
850	30	1523	1571	1491	30	14.4	20.2	5.8	16	— 1.7
700	30	3142	3210	3029	30	7.6	11.0	2.1	—	—
600	30	4390	4471	4317	30	— 0.3	3.4	— 5.3	—	—
500	30	5826	5912	5724	30	—10.0	— 4.1	—15.1	—	—
400	30	7518	7610	7382	30	—22.7	—16.7	—26.4	—	—
300	30	9554	9699	9393	30	—38.7	—34.9	—44.2	—	—
200	30	12236	12432	12022	30	—56.1	—44.0	—61.3	—	—
150	30	14032	14328	13795	30	—63.4	—52.0	—69.2	—	—
100	27	16480	16895	16210	27	—71.3	—60.6	—76.0	—	—
60	13	19508	19719	19249	13	—63.8	—48.0	—72.2	—	—
40	8	21998	22087	21757	8	—56.6	—53.3	—61.2	—	—
30	6	23832	23915	23607	6	—50.6	—47.6	—55.1	—	—
20	2	26412	26552	26271	2	—46.8	—45.8	—47.8	—	—
10	—	—	—	—	—	—	—	—	—	—

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

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

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 1963

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)	3202 (29)	694 (29)	—11.1 (11)	4531	595	—	1430	854	— 1.2	12035 (23)	193 (23)	—51.8 (23)	13480	161	—70.7	10560	210	—60.4	11300	224	300	132
Helwan	3438 (30)	675 (30)	— 6.9 (11)	5230	547	—	1400	860	— 1.6	13081 (25)	175 (25)	—63.3 (25)	16752	100	—69.8	8580	372	—41.2	10640	252	270	132
Aswan . . . (A)	3732 (31)	646 (31)	— —	4510	588	—	3556	700	—12.0	14546 (24)	136 (24)	—70.3 (24)	16676	100	—68.6	11770	211	—59.8	12800	178	260	132

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

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

1200 U.T. — DECEMBER 1963

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)	3383 (30)	680 (30)	— 9.0 (5)	4200	608	—	1522	850	— 3.0	12548 (27)	184 (27)	—61.5 (27)	16564	100	—68.8	10400	250	—52.5	11400	220	230	165
Helwan	3388 (31)	680 (31)	— 4.3 (8)	4520	596	—	1390	800	— 2.5	13366 (26)	166 (26)	—64.4 (26)	17220	89	—73.4	10450	216	—61.8	14400	136	290	138
Aswan . . . .(A)	4348 (30)	603 (30)	— —	4930	560	—	3580	656	—	14940 (25)	132 (25)	—68.1 (25)	17080	90	—72.5	12000	208	—59.0	10100	277	280	112

(*N*) Number of cases the element has been observed during the month.

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 1963

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	21	1	13	2	12	2	17	1	9	1	14	5	12	2	9	3	11	6	14	0	—	2	17	1	29	13
1000	2	20	2	10	1	17	2	17	1	9	2	12	3	13	4	13	3	16	5	13	0	—	3	19	1	29	14
850	2	15	0	—	2	22	0	—	1	10	2	8	2	12	5	18	4	19	3	23	6	26	2	19	0	29	19
700	0	—	1	14	2	6	0	—	0	—	1	4	0	—	1	38	7	21	6	20	7	28	4	24	0	29	22
600	1	11	1	14	1	2	0	—	0	—	0	—	0	—	3	17	3	29	11	29	6	42	3	33	0	29	29
500	0	—	0	—	1	5	0	—	0	—	0	—	1	8	1	5	2	34	12	37	8	47	3	40	0	28	37
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	58	4	34	11	42	10	49	0	—	0	26	44
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	59	11	55	7	45	0	—	0	19	51
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	59	3	75	0	—	0	11	63
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	65	5	73	3	56	0	—	0	9	66
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	105	2	33	1	37	0	4	52
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	15	3	13	2	18	1	20	0	—	2	12	2	10	4	16	3	16	4	12	2	13	4	15	0	31	14
1000	3	13	3	13	2	16	1	20	0	—	2	12	2	10	4	14	3	17	4	11	1	17	6	17	0	31	15
850	2	14	1	21	3	16	6	—	2	6	0	—	3	13	4	11	6	15	4	15	5	24	1	13	0	31	15
700	1	16	2	14	0	—	0	—	0	—	0	—	2	10	5	20	3	20	5	25	8	24	5	22	0	31	21
600	1	13	0	—	0	—	0	—	0	—	0	—	1	10	2	42	3	21	11	30	11	30	2	43	0	31	30
500	0	—	0	—	0	—	0	—	0	—	0	—	1	14	1	47	5	33	10	38	11	38	2	10	0	30	36
400	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	72	5	32	11	42	12	55	0	—	0	29	46
300	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	70	16	46	8	68	1	20	0	26	53
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	46	14	54	2	72	0	—	0	17	56
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	8	56	1	30	0	—	0	9	53
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	23	4	41	0	—	0	—	0	5	37
60	0	—	0	—	0	—	0	—	0	—	—	—	0	—	0	—	0	—	0	—	0	—	1	12	0	1	12
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

TABLE B 8.—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 1963

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	5	12	4	8	3	7	0	—	1	4	1	1	0	—	1	4	1	8	1	6	2	5	10	30	5
1000	0	—	4	12	4	11	2	6	1	6	1	4	0	—	0	—	2	8	0	—	1	6	3	5	6	24	6
850	1	13	3	13	2	10	2	1[illegible]	1	8	0	—	1	13	4	1[illegible]	1	17	4	21	8	76	3	22	0	30	17
700	2	27	3	1[illegible]	1	17	1	9	0	—	0	—	1	12	2	22	0	—	6	22	9	32	5	25	0	30	24
600	2	11	0	—	1	7	0	—	0	—	0	—	0	—	1	26	1	15	10	24	13	41	2	33	0	30	30
500	1	14	1	23	0	—	0	—	0	—	0	—	0	—	0	—	2	39	10	36	11	41	4	34	0	29	38
400	0	—	2	1[illegible]	0	—	0	—	0	—	0	—	0	—	0	—	1	112	7	42	15	52	3	48	0	28	48
300	1	30	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	6	54	10	52	4	34	0	21	48
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	73	9	68	3	42	0	17	65
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	73	5	72	3	50	0	15	66
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	4	80	4	81	1	50	0	9	77
60	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	41	0	—	0	—	0	1	41
40	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	38	0	—	0	—	0	1	38
30	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	24	0	—	0	—	0	1	24
20	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	57	0	—	0	—	0	1	57
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	14	3	13	1	20	0	—	1	8	2	6	6	7	0	—	2	8	2	12	5	11	2	12	3	31	10
1000	4	12	4	13	2	20	0	—	1	5	0	—	3	6	1	6	1	7	0	—	2	10	4	10	0	22	11
850	2	16	2	24	1	21	4	8	0	—	0	—	2	7	2	10	3	12	3	15	6	12	6	12	0	31	15
700	2	25	0	—	3	14	1	10	0	—	0	—	0	—	2	11	2	20	9	21	8	29	4	28	0	31	22
600	1	31	2	14	2	12	0	—	0	—	0	—	0	—	0	—	1	18	13	32	8	39	4	40	0	31	32
500	0	—	1	13	1	16	0	—	0	—	0	—	0	—	0	—	1	18	11	35	13	48	3	38	0	30	39
400	2	17	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	29	10	52	12	50	3	28	0	28	45
300	1	34	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	9	65	9	59	3	35	0	22	57
200	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	60	7	68	9	73	2	50	0	19	68
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	7	68	5	76	2	51	0	14	68
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	5	78	4	68	2	52	0	11	70
60	0	—	0	—	0	—	0	—	1	6	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	1	6
40	1	18	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	1	18
30	0	—	1	25	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	1	25
20	0	—	0	—	0	—	0	—	1	28	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	1	28
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	16	12	8	10	4	12	1	12	0	—	0	—	0	—	0	—	0	—	1	8	0	—	1	17	0	31	12
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	2	6	4	12	5	14	6	11	0	—	1	4	2	8	0	—	0	—	1	22	3	14	7	14	0	31	12
700	0	—	3	13	3	13	1	23	1	15	0	—	0	—	1	23	3	8	3	54	8	22	8	16	0	31	20
600	2	12	2	24	1	15	1	25	0	—	0	—	0	—	0	—	1	28	9	34	12	26	3	21	0	31	27
500	0	—	3	15	1	21	0	—	0	—	0	—	0	—	0	—	1	38	7	32	13	38	4	26	0	29	32
400	3	21	2	24	0	—	0	—	0	—	0	—	0	—	0	—	3	43	7	53	12	44	2	33	0	29	42
300	2	25	1	40	0	—	0	—	0	—	0	—	0	—	0	—	2	68	10	59	10	53	4	41	0	29	52
200	2	56	1	15	0	—	0	—	0	—	0	—	0	—	0	—	2	117	9	63	4	62	4	46	0	22	62
150	0	—	1	30	0	—	0	—	0	—	0	—	0	—	0	—	1	94	7	67	4	78	3	64	0	16	68
100	1	43	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	90	1	57	2	30	0	7	61
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

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 1963

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	13	10	5	11	2	10	3	9	0	—	0	—	0	—	0	—	0	—	2	4	1	6	4	12	0	30	10
1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
850	2	13	2	10	9	12	3	11	2	2	0	—	0	—	0	—	3	10	1	18	3	14	4	13	1	30	11
700	3	11	0	—	4	20	1	24	0	—	0	—	0	—	1	8	3	10	4	13	9	21	5	20	0	30	17
600	2	18	2	20	2	22	0	—	0	—	0	—	0	—	2	8	3	20	4	16	14	25	1	9	0	30	21
500	3	20	2	25	1	26	0	—	0	—	0	—	0	—	0	—	1	41	8	31	13	31	2	31	0	30	30
400	1	25	3	32	0	—	0	—	0	—	0	—	0	—	0	—	0	—	14	41	9	51	3	37	0	30	42
300	1	25	1	34	1	30	0	—	0	—	0	—	0	—	0	—	1	38	9	58	12	59	4	34	0	29	52
200	2	41	1	32	0	—	0	—	0	—	0	—	0	—	0	—	1	71	10	61	8	61	2	58	0	24	58
150	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	52	6	62	5	47	2	77	0	14	58
100	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	3	69	1	64	1	49	0	5	64
60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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.

REVIEW OF AGRO-METEOROLOGICAL STATIONS

GIZA — DECEMBER 1963

This month was mild and rather dry, as compared with the normal values of air temperature and relative humidity at 2 metres above ground level and also with respect to total rainfall. It was characterized by three cold spells and one pronounced warm spell.

The first cold spell began on the 30th of November and lasted to the 7th of December, with the peak of air temperature on the 3rd being 20.1°C (3.4°C below normal).

The second cold wave was intense though of shorter duration (9th to 13th), giving the peak on the 10th, being 16.5°C (6.2°C below normal), which is the greatest deviation from the normal during the whole month. This spell was associated with the absolute minimum air temperature for the month, being 3.7°C (4.0°C below normal) on the 12th, when the absolute minima of air temperature at 5 cms also occurred being —0.8, 0.6, and —1.8°C above the dry, wet and grass fields respectively. During this wave, the air temperature at 5 cms above grass fell below the freezing point on the 11th and 12th and lasted below 0.°C for 3.5 and 2.0 hours respectively. On these two days the grass minimum temperature also dropped to below the freezing point and the absolute minimum of soil temperature for the month at 0.3 cm. depth was recorded in the dry field on the 12th.

The third cold wave started on the 25th. and was continuing when the month ended. The peak occurred on the 31st., and gave the lowest maximum air temperature for the month being 15.4°C (5°C below normal). The absolute minimum of air temperature happened once more on the 28th. when the grass minimum temperature fell to —2°C, with the absolute value —2.9°C on the 27th. On the same day and the next, the air temperature at 5 cms above grass fell below the freezing point and lasted for 0.5 and 1.5 hours respectively. Also the absolute minima of soil temperature in the wet and grass fields at depths 0.3, 1, and 2 cms were noticed on the 27th., while those for the dry field at depths 1 & 2 cms took place on the next day.

The warm spell was distinguished and lasted for the period (17th, to 25th) giving the absolute maximum of air temperature for the month : 29.5°C (8°C above normal) on the 21st., when the highest maxima for soil temperature at depths 0.3, 1 & 2 cms. were observed in the dry and wet fields. For the grass field, it happened on the same day also at 0.3 cm. but on the next day at the depths 1 & 2 cms.

The mean relative humidity was 8% lower than the normal value, while the lowest relative humidity occurred on the 26th. and was only 13% (67% below normal).

Compared with December 1962, the highest maxima for soil temperature at the different depths for the three fields were generally lower by amounts varying between 3.1 and 0.3°C; whereas the extreme minima were also less for the layers down to 2 cms. in all the fields and then changed sign for further depths. Also the means of the surface wind speed at 2 metres above ground level were less by about 0.2 m/sec. than those of last December.

The total duration of bright sunshine was 73% of the total possible duration, being one hour more than the corresponding duration for December 1962. The decrease in wind speed has led to lower values of mean evaporation of the day (Piche) and Pan class A as well as the total potential evaporation.

TAHRIR — DECEMBER 1963

Compared with December 1962, this month was mild, more moist and stable.

It was distinguished by a relatively warm spell prevailing during the period 18th to 23rd with cold waves before and after.

No material change in the means of air temperature at 2 metres above ground level although the absolute maximum for the month was slightly higher by 0.9°C. The absolute minima at that level and at 5 cms. were generally low, 3.7 and 0.5°C, being less by 0.7 and 1.2°C respectively though the grass minimum was above the freezing point.

The cooling of the air near the ground had extended to soil temperatures in the dry field, where the extremes were generally lower by amounts varying from 4.8°C to 0.3°C for the diffferent depths.

The mean and the lowest values of the relative humidity were more by 7% and 2% whereas the mean and highest values of vapour pressure were also higher by 0.7 and 1.0 mm. respectively.

The amount of rainfall observed was 3.1 mms, being 0.7 mm. more than last December.

The stability of the month was manifested by the occurrence of fog in 9 days, rain in 3 days and one sandstorm during the month.

The mean values of the surface wind speed at 2 metres were generally lower by about 0.7 m/sec. This fact together with the increase in relative humidity accounts for the lower values of mean evaporation of the day, Piche and pan class A, 7.6 and 3.94 mms, being less by 4.1 and 2.30 mms. respectively.

The total sunshine duration was 72% of the total possible duration, and less than December 1962 by 13.6 hours.

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

GIZA — DECEMBER 1963

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 °
1	22.3	11.7	16.4	14.2	17.7	24.0	24.0	24.0	24.0	15.0	2.5	0.0	0.0	0.0	0.0	0.0
2	21.9	14.1	16.4	15.8	17.4	24.0	24.0	24.0	24.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0
3	20.1	11.5	16.0	15.5	18.0	24.0	24.0	24.0	24.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0
4	20.3	8.7	13.5	12.2	16.3	24.0	24.0	24.0	20.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
5	22.0	7.8	13.6	10.6	16.7	24.0	24.0	24.0	22.0	8.0	3.0	0.0	0.0	0.0	0.0	0.0
6	22.6	6.9	13.7	11.1	17.0	24.0	24.0	24.0	13.5	9.0	3.0	0.0	0.0	0.0	0.0	0.0
7	22.5	7.6	14.3	10.1	17.1	24.0	24.0	24.0	14.0	10.0	4.0	0.0	0.0	0.0	0.0	0.0
8	23.8	10.1	16.0	13.3	17.4	24.0	24.0	24.0	24.0	14.0	4.5	0.0	0.0	0.0	0.0	0.0
9	23.2	12.0	16.7	16.0	18.3	24.0	24.0	24.0	24.0	16.0	5.0	0.0	0.0	0.0	0.0	0.0
10	16.5	7.0	13.0	14.6	14.5	24.0	24.0	24.0	20.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0
11	18.9	3.8	11.1	7.9	13.6	24.0	24.0	22.5	12.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
12	22.1	3.7	12.7	8.6	16.1	24.0	24.0	21.0	16.0	9.5	3.5	0.0	0.0	0.0	0.0	0.0
13	22.4	9.5	15.0	13.1	17.1	24.0	24.0	24.0	23.5	10.5	3.5	0.0	0.0	0.0	0.0	0.0
14	24.6	8.0	15.4	13.1	18.3	24.0	24.0	24.0	22.5	10.0	6.0	0.0	0.0	0.0	0.0	0.0
15	21.6	8.0	15.3	12.1	17.4	24.0	24.0	24.0	19.0	15.0	5.5	0.0	0.0	0.0	0.0	0.0
16	21.2	9.2	15.2	13.8	17.4	24.0	24.0	24.0	21.0	13.0	3.0	0.0	0.0	0.0	0.0	0.0
17	23.6	8.1	14.6	12.6	16.8	24.0	24.0	24.0	18.0	10.5	5.5	0.0	0.0	0.0	0.0	0.0
18	26.1	5.7	14.9	11.7	18.2	24.0	24.0	24.0	16.0	11.0	5.5	1.0	0.0	0.0	0.0	0.0
19	25.3	9.0	16.0	13.6	19.3	24.0	24.0	24.0	24.0	11.0	6.0	0.0	0.0	0.0	0.0	0.0
20	27.0	8.0	16.3	12.6	21.0	24.0	24.0	24.0	20.0	12.0	7.5	3.0	0.0	0.0	0.0	0.0
21	29.5	8.9	18.2	13.0	22.0	24.0	24.0	24.0	21.5	14.0	10.5	5.5	0.0	0.0	0.0	0.0
22	27.6	10.8	17.7	16.0	19.9	24.0	24.0	24.0	24.0	14.5	8.0	3.0	0.0	0.0	0.0	0.0
23	25.3	10.2	16.5	15.1	18.0	24.0	24.0	24.0	24.6	13.0	7.0	0.0	0.0	0.0	0.0	0.0
24	22.0	9.4	15.0	14.3	16.0	24.0	24.0	24.0	24.0	12.0	3.0	0.0	0.0	0.0	0.0	0.0
25	22.0	13.2	17.0	16.3	19.0	24.0	24.0	24.0	24.0	21.0	4.0	0.0	0.0	0.0	0.0	0.0
26	16.9	7.0	12.8	13.3	13.8	24.0	24.0	24.0	21.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0
27	18.5	4.6	11.0	9.9	13.4	24.0	24.0	24.0	11.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
28	19.0	3.7	11.1	7.7	13.1	24.0	24.0	22.5	14.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
29	19.4	9.9	14.0	12.2	16.1	24.0	24.0	24.0	24.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
30	16.0	7.7	11.9	12.3	13.7	24.0	24.0	24.0	19.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0
31	15.4	7.6	11.2	9.2	11.4	24.0	24.0	24.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	—	—	—	—	—	744	744	738.0	624.0	335.0	100.5	12.5	0.0	0.0	0.0	0.0
Mean	21.9	8.5	14.6	12.6	16.8	24.0	24.0	23.8	20.1	10.8	3.2	0.4	0.0	0.0	0.0	0.0

Highest maximum at 2 metres 29.5 °C on 21st Highest minimum at 2 metres 14.1 °C on 2 nd

Lowest maximum at 2 metres 15.4 °C on 31st Lowest minimum at 2 metres 3.7 °C on 12th & 28th

Absolute minimum temperature at 5 cms. Above dry soil — 1.0 °C on 28 th.

" " " " " " wet soil + 0.6 °C on 28 th.

" " " " " " grass — 1.8 °C on 12 th.

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

TAHRIR — DECEMBER 1963

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	20.9	13.6	17.2	16.4	18.7	24.0	24.0	24.0	24.0	22.0	3.0	0.0	0.0	0.0	0.0	0.0
2	21.1	14.3	16.4	15.9	17.7	24.0	24.0	24.0	24.0	1[illegible].0	0.0	0.0	0.0	0.0	0.0	0.0
3	20.0	11.6	15.6	14.8	17.5	24.0	24.0	24.0	24.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0
4	20.1	10.5	14.3	12.6	16.8	24.0	24.0	24.0	24.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
5	22.7	11.1	15.0	12.8	17.8	24.0	24.0	24.0	24.0	10.0	3.5	0.0	0.0	0.0	0.0	0.0
6	23.3	7.5	14.1	11.8	17.8	24.0	24.0	24.0	18.5	9.5	3.0	0.0	0.0	0.0	0.0	0.0
7	23.0	7.2	14.4	11.0	18.2	24.0	24.0	24.0	16.5	10.0	5.5	0.0	0.0	0.0	0.0	0.0
8	23.3	9.8	16.5	13.0	19.0	24.0	24.0	24.0	24.0	15.0	6.0	0.0	0.0	0.0	0.0	0.0
9	22.8	11.4	16.2	15.9	18.2	24.0	24.0	24.0	24.0	13.0	2.0	0.0	0.0	0.0	0.0	0.0
10	15.8	8.7	13.1	14.2	14.5	24.0	24.0	24.0	22.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
11	17.4	4.3	10.8	8.6	14.1	24.0	24.0	23.5	12.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0
12	23.2	3.7	12.5	8.1	16.3	24.0	24.0	22.0	15.0	8.5	4.5	0.0	0.0	0.0	0.0	0.0
13	23.3	9.4	15.4	12.2	18.3	24.0	24.0	24.0	23.0	13.0	5.5	0.0	0.0	0.0	0.0	0.0
14	25.8	7.9	15.3	13.2	19.0	24.0	24.0	24.0	19.5	11.0	6.5	0.0	0.0	0.0	0.0	0.0
15	23.4	8.3	15.2	12.3	18.7	24.0	24.0	24.0	20.0	11.0	6.5	0.0	0.0	0.0	0.0	0.0
16	22.0	7.2	13.3	12.0	15.4	24.0	24.0	24.0	16.5	8.0	2.0	0.0	0.0	0.0	0.0	0.0
17	21.9	8.2	13.8	12.0	16.6	24.0	24.0	24.0	17.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
18	28.6	7.4	14.3	11.2	18.0	24.0	24.0	24.0	15.0	9.5	5.5	2.0	0.0	0.0	0.0	0.0
19	28.2	7.2	17.1	12.2	21.6	24.0	24.0	24.0	18.5	11.5	9.0	4.5	0.0	0.0	0.0	0.0
20	29.5	7.9	17.3	14.5	22.4	24.0	24.0	24.0	22.0	11.0	8.0	5.0	0.0	0.0	0.0	0.0
21	31.9	8.6	17.7	13.5	22.2	24.0	24.0	24.0	22.0	13.5	8.5	5.0	0.0	0.0	0.0	0.0
22	25.5	10.4	17.0	14.7	19.9	24.0	24.0	24.0	24.0	13.0	7.0	2.0	0.0	0.0	0.0	0.0
23	27.0	9.2	16.4	14.[illegible]	19.5	24.0	24.0	24.0	21.5	11.5	7.0	2.5	0.0	0.0	0.0	0.0
24	24.4	9.8	15.4	14.1	17.8	24.0	24.0	24.0	24.0	11.0	5.0	0.0	0.0	0.0	0.0	0.0
25	21.4	11.5	15.5	14.4	18.5	24.0	24.0	24.0	24.0	10.5	3.0	0.0	0.0	0.0	0.0	0.0
26	16.9	9.2	12.5	12.5	14.1	24.0	24.0	24.0	21.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0
27	18.4	6.5	11.7	9.9	14.8	24.0	24.0	24.0	12.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0
28	20.0	4.2	12.2	8.1	15.3	24.0	24.0	22.0	15.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0
29	19.1	10.6	14.6	13.6	16.6	24.0	24.0	24.0	24.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
30	15.8	9.8	12.5	12.8	13.8	24.0	24.0	24.0	24.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
31	16.6	7.8	12.7	11.3	14.3	24.0	24.0	24.0	19.5	7.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	—	—	—	—	—	744.0	744.0	739.5	636.5	303.5	10.1	17.0	0.0	0.0	0.0	0.0
Mean	22.4	8.9	14.7	12.7	17.5	24.0	24.0	23.9	20.5	9.8	3.3	0.5	0.0	0.0	0.0	0.0

Highest maximum at 2 metres 31.9°C on 21st. Highest minimum at 2 metres 14.3°C on 2nd.

Lowest maximum at 2 metres 15.8°C on 10,30th Lowest minimum at 2 metres 3.7°C on 12th.

Absolute minimum temperature at 5 cms. above dry soil +0.5 °C on 12th.

" " " " " 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 GROUND, EVAPORATION AND RAINFALL

GIZA — DECEMBER 1963

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	1.4	0.9	2.0	157	1.6	10.4	15	0	1	72	59	10.3	10.9	4.7	1.97	Tr.
2	1.3	0.6	2.4	127	2.5	10.4	24	0	11	80	68	11.0	11.6	4.4	2.23	0.2
3	2.7	1.1	5.0	243	6.9	10.4	66	2	8	75	41	8.6	6.8	8.8	4.45	0.0
4	1.6	0.7	3.0	272	8.5	10.3	83	0	9	80	47	8.1	8.0	5.8	3.69	0.0
5	1.3	0.7	2.1	287	9.0	10.3	87	2	10	78	44	8.1	7.8	5.4	2.61	0.0
6	0.5	0.1	1.0	218	6.4	10.3	62	5	10	84	47	8.5	8.5	3.9	2.08	0.0
7	1.3	0.4	2.5	304	9.2	10.3	89	3	8	72	36	7.6	7.0	10.3	4.12	0.0
8	2.8	2.0	3.9	307	9.3	10.3	90	0	0	52	38	6.9	7.6	12.6	7.78	Tr.
9	2.5	1.6	3.8	285	8.6	10.3	83	0	1	66	47	8.7	9.2	7.6	3.88	1.2
10	2.4	1.0	4.4	261	7.2	10.3	70	3	9	79	45	7.6	5.8	6.5	4.45	0.0
11	1.2	0.2	2.7	259	7.8	10.3	76	7	9	68	35	5.8	5.5	7.9	3.48	0.0
12	2.0	0.7	3.9	258	8.5	10.2	83	2	4	57	34	6.1	6.3	11.7	6.70	0.0
13	2.1	1.6	2.9	273	9.2	10.2	90	0	0	65	40	7.7	7.6	7.9	4.35	0.0
14	0.7	0.4	1.1	269	9.2	10.2	90	1	4	76	44	8.8	9.1	4.7	2.60	0.0
15	1.0	0.0	2.4	254	9.0	10.2	88	8	9	78	47	9.2	8.9	6.0	2.98	0.0
16	1.8	1.0	2.8	262	7.9	10.2	77	9	12	85	63	10.9	11.4	4.5	3.09	0.0
17	1.9	1.3	2.6	269	7.4	10.2	73	10	12	82	40	8.9	8.4	5.2	2.91	0.0
18	1.6	1.0	2.4	285	9.4	10.2	92	7	8	72	31	7.6	7.1	8.4	3.47	0.0
19	1.3	0.7	2.2	290	9.1	10.2	89	0	0	68	38	8.2	8.6	7.6	4.11	0.0
20	0.8	0.1	1.8	276	8.2	10.2	80	0	9	66	37	8.8	9.6	6.5	2.51	0.0
21	0.4	0.0	0.9	257	8.8	10.2	86	0	8	66	35	9.3	9.8	6.1	3.67	0.0
22	1.0	0.6	1.4	243	8.8	10.2	86	7	14	90	53	12.3	12.9	4.1	2.46	0.0
23	1.0	0.5	1.6	248	8.3	10.2	81	11	14	87	48	10.6	10.8	4.3	2.98	0.0
24	1.7	1.3	2.2	183	4.5	10.2	44	11	17	94	67	11.4	11.9	3.2	1.83	0.0
25	3.3	1.8	5.4	248	7.7	10.2	75	8	10	76	54	10.2	10.4	12.9	6.07	0.0
26	4.0	3.1	5.2	250	7.6	10.2	74	0	0	38	14	3.2	2.0	19.1	7.41	0.0
27	2.5	2.6	2.5	271	9.3	10.2	91	0	0	50	15	3.6	2.3	9.3	3.76	0.0
28	1.6	1.2	2.2	269	9.1	10.2	89	3	8	79	58	7.8	8.8	4.7	2.42	0.0
29	2.7	0.8	5.2	228	5.3	10.2	52	0	8	72	49	7.7	7.6	10.6	4.70	0.0
30	3.0	1.9	4.7	260	6.7	10.2	66	0	0	74	38	6.3	5.0	9.3	5.04	0.0
31	1.7	0.9	2.8	132	0.5	10.2	5	0	0	68	56	6.6	6.6	5.9	1.98	0.0
Total	—	—	—	7745	231.5	317.6	2256	99	213	—	—	—	—	229.9	112.78	1.4
Mean	1.8	1.0	2.9	250	7.5	10.2	73	3	7	72	44	8.3	8.2	7.4	3.64	—

Maximum amount of rainfall in one day	1.2	mms.	on	9th.
Lowest value of relative humidity	13	%	on	26th.
Highest value of vapour pressure	14.1	mms.	on	22nd.
Lowest value of vapour pressure	1.9	mms.	on	26th.

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 1963

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 millimetre
	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	3.5	3.6	184	2.2	10.3	21	3	13	82	56	11.2	10.0	5.3	3.30	0.4
2	3.9	3.5	4.6	201	2.1	10.3	20	10	15	90	73	11.7	11.5	4.0	2.67	1.1
3	4.6	3.6	6.0	311	9.0	10.3	87	7	10	79	49	9.0	8.1	10.4	5.27	0.0
4	3.6	3.1	4.3	292	8.1	10.3	78	0	6	74	44	7.9	7.3	9.0	4.61	Tr
5	2.5	2.5	2.6	271	6.4	10.3	62	0	6	77	45	8.6	8.4	5.6	2.74	0.0
6	1.3	1.0	1.8	288	6.4	10.3	62	3	11	83	46	8.9	8.8	4.3	3.11	0.0
7	1.8	1.0	2.9	346	9.7	10.3	94	6	7	66	29	6.5	5.7	11.9	5.85	0.0
8	3.6	2.3	5.2	338	9.8	10.2	96	0	0	45	37	6.5	7.5	14.5	8.39	0.0
9	3.9	3.1	5.0	252	7.1	10.2	70	0	3	78	67	9.9	10.9	6.9	3.18	1.6
10	3.9	2.6	5.7	307	8.5	10.2	83	4	7	70	48	7.0	6.2	8.2	4.40	0.0
11	2.2	1.0	3.7	308	9.5	10.2	93	6	8	72	50	6.8	6.9	6.5	3.38	0.0
12	2.7	1.8	4.1	289	7.6	10.2	74	6	9	70	27	5.9	5.5	13.2	5.86	0.0
13	2.9	2.9	2.9	331	9.4	10.2	92	0	0	60	41	7.5	8.1	8.1	4.42	0.0
14	1.7	1.7	1.6	321	9.8	10.2	96	0	9	76	44	8.9	9.0	4.2	2.97	0.0
15	1.5	1.0	2.1	336	9.7	10.2	95	6	10	76	44	8.8	8.6	4.7	3.43	0.0
16	1.3	0.9	1.9	208	5.8	10.2	57	12	17	92	69	10.3	11.8	2.3	1.28	0.0
17	1.8	1.2	2.7	309	7.2	10.2	71	16	18	96	59	10.5	11.2	3.5	1.51	0.0
18	1.6	1.2	2.1	320	7.5	10.2	74	10	10	86	24	7.6	5.7	6.6	2.99	0.0
19	2.1	1.5	3.1	317	7.9	10.2	77	0	2	52	18	6.2	4.9	13.3	6.38	0.0
20	2.1	1.8	2.5	309	8.4	10.2	82	1	6	78	21	8.0	6.2	8.2	3.47	0.0
21	1.2	1.0	1.4	297	8.9	10.2	87	5	13	86	32	10.0	9.4	3.7	1.88	0.0
22	1.4	1.0	2.0	288	6.3	10.2	62	15	17	96	57	13.2	14.1	2.9	1.85	0.0
23	1.5	1.1	1.9	323	8.7	10.2	85	12	16	92	46	10.8	11.0	4.1	2.01	0.0
24	1.8	1.5	2.2	248	5.2	10.2	51	14	17	93	49	10.7	11.0	3.3	1.61	0.0
25	3.7	1.9	6.2	285	7.8	10.2	76	9	10	82	55	10.0	10.2	10.9	5.23	0.0
26	5.0	3.9	6.4	317	8.2	10.2	80	0	0	50	38	5.1	5.3	12.1	6.18	0.0
27	3.6	3.0	4.3	357	9.9	10.2	97	0	4	52	24	4.4	3.7	10.6	4.61	0.0
28	2.1	1.5	2.8	329	8.7	10.2	85	0	7	74	52	7.8	8.3	7.2	4.32	0.0
29	4.5	2.9	6.8	249	5.1	10.2	50	0	4	63	55	7.7	8.0	12.5	6.17	Tr
30	4.6	2.8	5.7	256	5.8	10.2	57	0	2	66	37	5.8	4.4	11.6	5.72	0.0
31	2.7	2.3	3.2	155	0.3	10.2	3	0	0	62	47	6.4	6.5	7.1	3.31	0.0
Total	—	—	—	9002	227.0	316.9	—	145	257	—	—	—	—	236.7	122.10	3.1
Mean	2.7	2.1	3.6	290.4	7.3	10.2	72	4.7	8.3	75	45	8.4	8.2	7.6	3.94	—

Maximum amount of rainfall in one day	1.6	mms. on	9th.
Lowest value of relative humidity	16	% on	19th.
Highest value of vapour pressure	14.9	mms. on	22nd.
Lowest value of vapour dressure	2.9	mms. on	27th.

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

GIZA— DECEMBER 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	38.0	1.2	25.8	2.3	20.4	8.3
1	37.0	2.6	24.0	3.4	20.5	9.0
2	35.8	4.0	23.0	4.1	19.5	9.3
5	26.2	8.7	20.0	6.0	17.8	10.6
10	22.0	13.1	18.1	8.1	17.8	12.2
20	21.7	17.2	17.0	11.0	18.3	14.2
50	23.7	19.9	18.8	14.7	20.2	16.7
100	26.0	22.6	20.9	17.4	21.8	18.7
200	27.7	25.6	22.7	20.6	23.6	21.8
300	27.6	26.6	—	—	—	—
600	—	—	—	—	—	—

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

TAHRIR — DECEMBER 1963

Depth in Cms.	Dry soil		Wet soil		Grass	
	Highest °C	Lowest °C	Highest °C	Lowest °C	Highest °C	Lowest °C
0.3	32.9	2.8	—	—	—	—
1	31.3	3.0	—	—	—	—
2	29.6	3.4	—	—	—	—
5	26.4	6.1	—	—	—	—
10	23.3	8.7	—	—	—	—
20	20.1	12.9	—	—	—	—
50	20.9	16.7	—	—	—	—
100	23.2	19.7	—	—	—	—
200	25.2	22.3	—	—	—	—
300	26.1	24.0	—	—	—	—
600	26.1	25.8	—	—	—	—

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

GIZA — DECEMBER 1963

10 Knots or more	25 Days	30 Knots or more	0 Days
15 „ „ „	10 „	35 „ „ „	0 „
20 „ „ „	6 „	40 „ „ „	0 „
25 „ „ „	0 „	The highest gust 34 knots on 25th	

Table C 4—NUMBER OF DAYS OF SURFACE WIND SPEED AT 10 METRES RÉACHING SPECIFIED LIMITS OF VELOCITY FOR AT LEAST 5 MINUTES

TAHRIR — DECEMBER 1963

10 Knots or more	22 Days	30 Knots or more	0 Days
15 „ „ „	14 „	35 „ „ „	0 „
20 „ „ „	9 „	40 „ „ „	0 „
25 „ „ „	3 „	The highest gust 38 knots on 25th	

PRINTED IN ARAB REPUBLIC OF EGYPT
BY THE GENERAL ORGANIZATION
FOR GOVT. PRINTING OFFICES. CAIRO
First Under-Secretary of State
ALY SULTAN ALY
Chairman of the Board of Directors

883-1971-15