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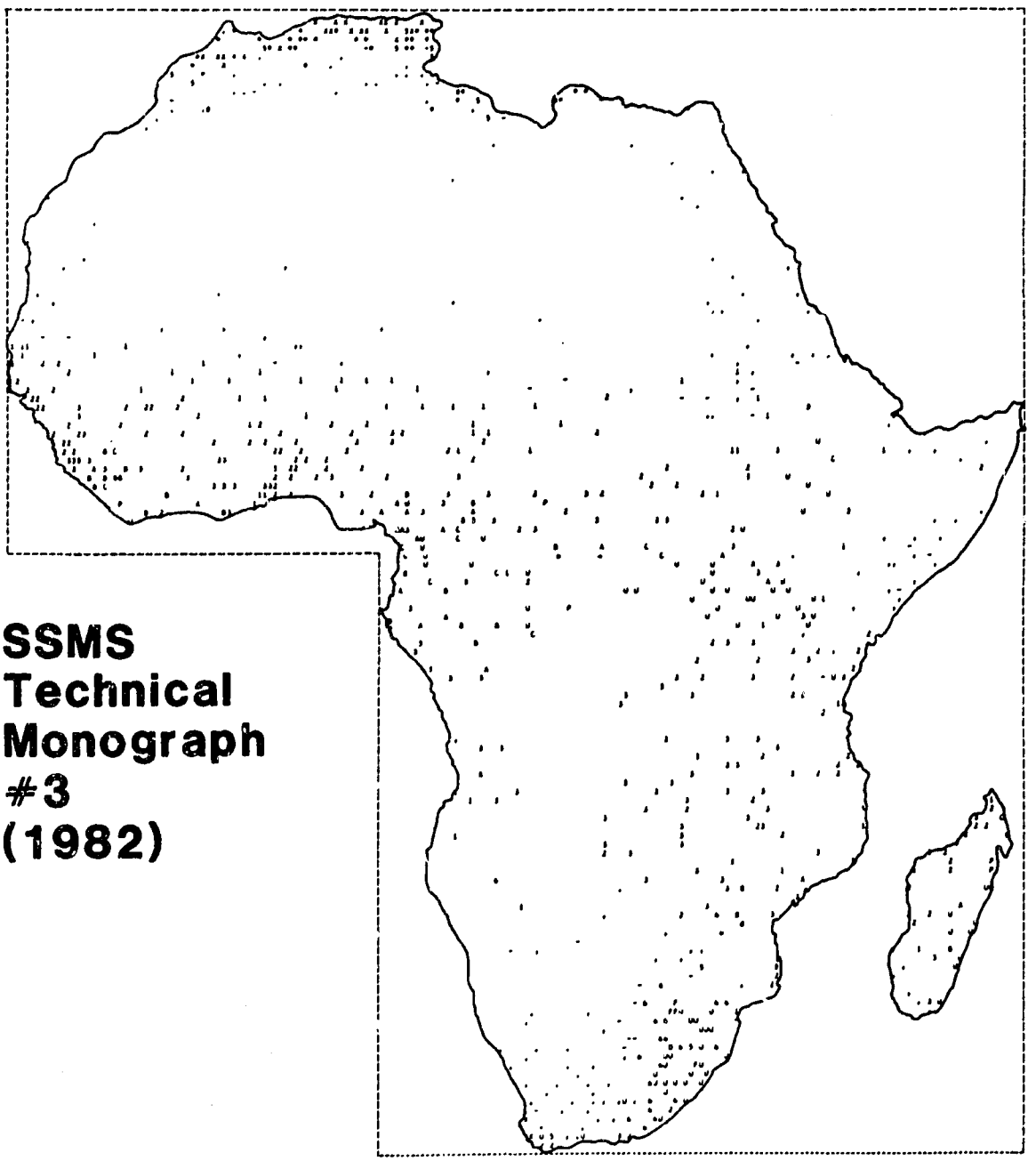
AFRICA



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SOIL MOISTURE AND TEMPERATURE REGIMES

PN AAQ 982

CALCULATED SOIL MOISTURE AND TEMPERATURE REGIMES OF AFRICA

A Compilation of Soil Climatic Regimes
calculated by using a mathematical
model developed by

F. Newhall

(Soil Conservation Service, USDA, 1972)

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CALCULATED SOIL MOISTURE AND TEMPERATURE REGIMES OF AFRICA

Information Included in this Publication

This publication includes MAPS which show the distribution of moisture and temperature regimes in Africa. The regimes have been calculated using atmospheric data as inputs to a computation model developed by F. Newhall (1972).

There are three types of MAPS: (1) soil temperature regimes; (2) soil moisture regimes, and (3) tentative subdivisions of soil moisture regimes. They are placed at the end of the publication.

Several types of TABLES are included: *country* tables on white paper and *moisture regime* tables on yellow paper.

For each *country*, two kinds of tables list the stations for which climatic parameters were calculated. Within each table, the stations are ordered alphabetically.

In the *first* type of table the moisture and temperature regimes are given as they are presently defined in Soil Taxonomy (1975).

The *second* type of table gives tentative subdivisions of moisture regimes together with quantitative data on moisture and temperature conditions in the soil.

The yellow pages include *moisture regime* tables which are subdivided sequentially according to temperature regime and country. Within each country, the stations are listed alphabetically. They allow one to check similarities of soil climatic conditions throughout Africa.

In addition to the tables, this publication provides current definitions of moisture and temperature regimes, and keys to the identification of the moisture regime subdivisions in support of the table and map information.

How to Use This Publication

When the location of a station is known, its moisture and temperature regime can be found either on the map or in the tables of country listings. The country tables provide information on additional climatic parameters of interest.

When the scale of the maps is inadequate to locate accurately a station, the country listings contain soil climatic information on the station, if available.

In order to know whether soil climatic regimes similar to the identified station exist in other places on the continent, the yellow pages at the end of the publication should be consulted. They contain the tables of data arranged by moisture and temperature regimes.

Explanations of the items included in the tables are given on pages 13 to 16; the country codes used in the tables and maps are listed on page 16.

Sources of Input Data

The computation of soil climatic parameters and the classification of soil moisture regimes for Africa are based on very heterogeneous sources of information. Most of the data were taken from Wernstedt (1972); many of them came from publications and reports issued in the various countries. Some data were supplied by contributors to the soil climatic study. In most instances the rainfall and temperature data used referred to monthly averages over several years, but stations where only a single year's data were available were also included. In this case a two digit number following the station's name usually indicates the year of the observation.

Thus, the processing method differs from Newhall's model in that it does not meet the requirement to calculate probabilities of occurence in order to determine the climatic regime of a particular soil. The model which was used here assumes that the input represents the dominant climate for most years. It was felt that because the available data were rough (monthly averages) and the exploratory nature of the survey, the statistical precision of day-by-day estimates of moisture and temperature conditions in the soil was not necessary.

Some location names listed in the tables are old and date back to the time when the information was processed. There were no personnel available to completely update the tables. Some stations also changed nationality during the ten years the soil climatic study was conducted. We apologize for the possible lack of accuracy of the output.

Some stations have been entered several times and duplication occurs. Some resulted in different classifications for different years or for averages not covering the same periods. These cases have not been eliminated from the tables.

The bibliography identifies the origin of most of the input data used in the computations.

Acknowledgements

The compilation of soil moisture regimes and the preparation of maps for this publication are the result of several short periods of activity spread over approximately ten years. Many individuals and institutions contributed to this work. While still incomplete, these efforts have reached a state where they should be of interest to others.

The contribution of Dr. Franklin Newhall is gratefully acknowledged for allowing parts of his moisture regime program to be transcribed into Fortran. The rationale of his mathematical model is the basis of this publication.

Practically all data used in the model were collected at the University of Ghent. Professor R. Tavernier's support and the contributions from his students were essential for the completion of this work.

Several individuals interested in the use of climate in soil classification collected information from reports and archives for inclusion in the maps and tables. We wish to acknowledge the cooperation of Dr. M. Laker (South Africa), Dr. P. Watson (Zimbabwe) and J. Embrechts (Cameroon). Drs. W. Sombroek and F. Muchena assisted in providing information on soil conditions in Kenya.

Two computer programmers worked actively to keep track of the data files and to link the computation and mapping programs into one coherent package. We wish to thank John Lottey and Mitch Schwartz for their efforts. Almost all input data were patiently keypunched on cards at the University of Ghent by Mr. B. Porreye whose contribution is gratefully acknowledged.

Input of the text into Waterloo Script on the Cornell University IBM 370/168 computer was very effectively accomplished by Michele Draiss. Ralph Stuart programmed the processing of the Script files into type-setting.

Maps were drawn by Tatyanna Seredin.

Finally, the U. S. Agency for International Development (AID) and the Soil Management Support Services Program (SMSS) of the Soil Conservation Service (USDA) provided funds for this publication.

All are heartily thanked for their support and encouragement.

Limitation of the Study

The calculated moisture regime is only valid for soils which are well drained, i.e., where water can freely percolate through the profiles. No aquic moisture regimes are indicated on the map and this publication does not provide information on poor drainage conditions. Where these exist in the field, they may modify the calculated moisture regime drastically. Storage of water as snow on top of the soil is not considered in the model.

The mathematical model assumes all rainfall enters the soil as long as the moisture profile is below field capacity. Rainfall in excess of moisture storage capacity is considered runoff and ignored. The model does not consider gains by inflow. In semi-arid environments with open vegetation, runoff may considerably change the moisture conditions in the soils, making them drier than the model calculations would indicate.

The calculations are made for deep soils in which root penetration is not restricted by pans or contacts at shallow depth. As a rule the model uses a profile deep enough to store 200 mm of water between permanent wilting point and field capacity.

The computation assumes that all months have 30 days, and that a year only has a total of 360 days.

Areas which could only be represented on the maps by areas smaller than 1 square centimeter were not delineated. Therefore the maps only indicate the general distribution of the soil climatic regimes. They cannot be enlarged without a considerable loss of precision.

The Use of Soil Temperature and Moisture Regimes in Soil Classification

The definitions of the taxa in Soil Taxonomy (1975) include a numbe of climatic parameters of soils which are used at different categorical levels.

The primary reason for using soil climates is that they are the causes of many other properties. Climate is one of the major pedogenic factors. Furthermore, some soil characteristics are only meaningful when they are considered in a limited area rc ricted to a defined soil climate; therefore it has a powerful differentiating effectiveness and climatic regimes are often more suitable than other properties for creating kingdoms within the classification system.

Another but no less important reason for the use of soil climatic data is to make the taxa meaningful for interpretation purposes by defining units in such a way that major soil limitations for plant growth are implied in the system.

A third advantage of introducing soil climate data into classification is that uniform, extensive geographic areas may be recognized on small scale maps. This facilitates the preparation of generalized soil maps that can be easily interpreted, particularly for crops which are climatically restricted to certain areas.

In spite of these reasons to introduce soil climatic properties into the system, many disadvantages exist. The difficulties are mainly operational and relate to the limited amount of information on climate usually available to soil surveyors. Field observations of soil temperature and moisture conditions are often lacking and many criteria for differentiating soil climate regimes depend on seasonally changing variables which require observations for extended periods of time.

The lack of precision in the data on soil moisture regimes should not be a barrier to prevent existing information, although sketchy, from reaching users who must make decisions on land use. The purpose of using incomplete data is to reduce the risks of making errors, not to eliminate them completely. Information with known limitations may perhaps lead to better decisions than those made with no information at all. The objective of this study is to extract from climatic observations what is useful for predicting soil moisture regimes and to delineate the geographic areas where comparable soil climatic conditions may occur.

One of the methods used to achieve this purpose is based on mathematical models which simulate the water movement in soils under changing weather conditions.

Franklin Newhall's Method of Computation of Soil Moisture Regimes

The model which is used to compute moisture regimes according to Soil Taxonomy is practically identical to the model developed by Dr. Franklin Newhall (1972). It considers an hydrological profile retaining 200 ml of available water divided into 8 layers. The second and the third layer form what is called the moisture control section.

Newhall's system is designed to serve the preliminary identification of moisture regimes in areas where climatic data are limited and where information on temperature and rainfall are available only on a monthly basis. Potential evapotranspiration is introduced into the model following Thornthwaite's method for its calculation.

The lack of detailed input data does not allow accurate estimates of soil potentials for crop production. The model cannot predict crop growth during various development stages. These prediction models need almost daily or hourly inputs.

Newhall's model nevertheless provides an approximate method to determine moisture regimes, especially for areas where only preliminary estimates are needed. It should be pointed out that the criteria and the soil moisture regime classes are only intended to be used for subdividing soil taxa at different levels of Soil Taxonomy, and not to create a new climatic classification.

The model used in this study differs from Newhall's 1972 method in that it does not calculate probabilities. Therefore it is not possible to place statistical confidence limits on the predicted values.

Definitions of Soil Moisture Regimes

The definitions of the soil moisture regimes which are used in this publication are those of the original text of Soil Taxonomy (1975). The computation does not consider soils that have restricted drainage and therefore the aquic moisture regime is not included in this study.

The subdivisions of the moisture regimes are only tentative. They have no official status, and are not an integral part of Soil Taxonomy. They are only given as guidelines to assist in the definition of new subgroups or other taxa.

Limitations of the Model

The present computations used temperature and rainfall data obtained from various sources. The monthly data are usually averages over many years. This type of input tends to reduce the intensity of the extremes which occur when data of individual years are used. Therefore conclusions drawn from these calculations should be made with care, after checking probabilities of occurrence for stations where monthly rainfall data over several years are available.

In the present model, Thornthwaite's potential evapotranspiration was used to estimate the removal of water from the soil. In all instances the soil temperature was calculated by adding 2.5°C to the mean annual air temperature. The amplitude of temperature variation at 50 cm depth between winter and summer was reduced by 33% of the difference between air temperatures for the same seasons. The season's months were December, January, and February or June, July, and August for winter or summer depending on the hemisphere.

Moisture regimes are defined on the basis of conditions existing in the moisture control section which is located well below the surface horizons in the profile. The topsoil is not considered. For this reason immediate interpretation on the availability of water for plants at a certain time of the year is not recommended without additional information on the moisture conditions prevailing in the topsoil. In other cases, consideration of deep horizons from which crops may extract water is essential to determine the water supplying power of soils; they have not been considered in this mathematical model.

All rainfall is considered effective; percolation of water through the profiles is unrestricted. Storage of water as snow on top of the soil is not considered in the model.

Tentative Subdivision of the Moisture Regimes

Claims have been made that the five moisture regime classes recognized in Soil Taxonomy are not sufficiently uniform for interpretation purposes.

A tentative subdivision of moisture regimes was developed in 1976 and included in the Fortran computer program. A map showing the distribution of these subdivisions is included. The map provides a means to examine new critical limits and test the definitions on the basis of possible correlations with vegetation or cropping areas.

The tentative key for the subdivisions accepts without any changes the criteria used for defining the five highest level classes. No attempt has been made to change the present definitions of the five moisture regimes: aridic, xeric, ustic, udic and perudic. The subdivisions, therefore, are to be evaluated keeping this restriction in mind. Perhaps better subdivisions could be devised if major modifications to Soil Taxonomy were considered.

The subdivisions have no official status in Soil Taxonomy.

The key leading to subdivisions of the existing moisture regimes is given on a tentative basis. The criteria that are used are assumed to occur in most years, that is, at least six out of ten.

The ustic moisture regime has been separated into two subclasses, depending on whether or not an iso-temperature regime is present. Thus, tropustic and tempustic regimes, respectively, are recognized. The tempustic and tropustic regimes are subdivided according to separate criteria. In the tempustic subclass the concentration of rainfall in summer or winter is taken into account, as well as the wetness of the seasons.

The udic moisture regime is also separated into tempudic and tropudic but only when the period of dryness in the moisture control section exceeds one month. All other udic regimes, except perudic, are called typic udic.

Classes of Soil Moisture Regimes (Soil Taxonomy, 1975)

The following descriptions of the soil moisture regime classes are taken verbatim from Soil Taxonomy (1975).

"The moisture regimes are defined in terms of the groundwater level and in terms of the presence or absence of water held at a tension <15 bars in the moisture control section by periods of the year. It is assumed in the definitions that the soil supports whatever vegetation it is capable of supporting. In other words, it is in crops, grass, or native vegetation; it is not being fallowed to increase the amount of stored moisture, nor is it being irrigated by man. These cultural practices affect the soil moisture condition as long as they are continued.

It has been conventional to think in terms of three soil moisture regimes. In one, the soil is saturated. In another, the amount of water is enough to cause leaching and, in the third, no leaching occurs. In the leaching regime some water moves through the soil at some time during the year and moves on down to the moist substratum. In the nonleaching regime, water moves into the soil but is withdrawn by evapotranspiration, leaving precipitated carbonates and more soluble salts. Between these two regimes there is another possible one in which there is alternation from year to year; leaching occurs in some years but not in all. For consideration of the losses of soluble materials or their accumulation in ca, cs, or sa horizons, these concepts are adequate. For the understanding of biological processes, they leave much to be desired. A soil can be subject to leaching in the winter when it is too cold for optimum biologic activity, and it can be too dry in most of the summer for significant biologic activity. The result is a relatively wide carbon-nitrogen ratio.

The soil moisture regime, as the term is used here, refers to the presence or absence either of ground water or of water held at a tension <15 bars in the soil or in specific horizons by periods of the year. Water held at a tension of 15 bars or more is not available to keep most mesophytic plants alive. The availability of water also is affected by dissolved salts. A soil may be saturated with water that is too salty to be available to most plants, but it would seem better to call such a soil salty rather than dry. Consequently, we consider a horizon to be dry when the moisture tension is 15 bars or more. If water is held at a tension of <15 bars but more than zero, we consider the horizon to be moist. A soil may be continuously moist in some or all horizons throughout the year or for some part of the year. It may be moist in winter and dry in summer or the reverse. In the northern hemisphere, summer refers to the months of June, July, and August, and winter means December, January and February. A soil or a horizon is considered to be saturated with water when water stands in an unlined borehole close enough to the soil surface or to the horizon in question that the capillary fringe reaches the surface or the top of the horizon."

Aquic

Although the aquic moisture regime is not considered in this study, its definition of Soil Taxonomy (1975) is given below.

"The aquic (L. *aqua,* water) moisture regime implies a reducing regime that is virtually free of dissolved oxygen because the soil is saturated by ground water or by water of the capillary fringe. An aquic regime must be a reducing one. Some soil horizons, at times, are saturated with water while dissolved oxygen is present, either because the water is moving or because the environment is unfavorable for micro-organisms, for example, if the temperature is <1°C such a regime is not considered aquic."

Aridic and Torric

"These terms are used for the same moisture regime but in different categories of the taxonomy.

In the aridic (torric) moisture regime, the moisture control section in most years is

1. Dry in all parts more than half the time (cumulative) that the soil temperature at a depth of 50 cm is above 5°C; and
2. Never moist in some or all parts for as long as 90 consecutive days when the soil temperature at a depth of 50 cm is above 8°C.

Soils that have an aridic or a torric moisture regime are normally in arid climates. A few are in semiarid climates and either have physical properties that keep them dry, such as a crusty surface that virtually precludes infiltration of water, or they are very shallow over bedrock. There is little or no leaching in these moisture regimes, and soluble salts accumulate in the soil if there is a source of them.

The limits of soil temperature exclude from these moisture regimes the very cold and dry regions of Greenland and adjacent islands. Such fragmentary data are available on the soils of those regions that no provision is made for their moisture regimes in this taxonomy."

Udic

"The udic (L. *udus*, humid) moisture regime implies that in most years the soil moisture control section is not dry in any part for as long as 90 days (cumulative). If the mean annual soil temperature is lower than 22°C and if the mean winter and mean summer soil temperatures at a depth of 50 cm differ by 5°C or more, the soil moisture control section is not dry in all parts for as long as 45 consecutive days in the 4 months that follow the summer solstice in 6 or more years out of 10. In addition, the udic moisture regime requires, except for short periods, a three-phase system, solid-liquid-gas, in part, but not necessarily in all, of the soil when the soil temperature is above 5°C.

The udic moisture regime is common to the soils of humid climates that have well-distributed rainfall or that have enough rain in summer that the amount of stored moisture plus rainfall is approximately equal to or exceeds the amount of evapotranspiration. Water moves down through the soil at some time in most years.

If precipitation exceeds evapotranspiration in all months of most years, there are occasional brief periods when some stored moisture is used, but the moisture tension rarely becomes as great as 1 bar in the soil moisture control section. The water moves through the soil in all months that it is not frozen. This extremely wet moisture regime is called "perudic" (L. *per*, throughout in time, L. *udus*, moist). The formative element *ud* is used in the names of most taxa to indicate either a udic or a perudic regime. The term perudic is not used in names of taxa, but is used in the text if it is relevant to the genesis of the soils.

Note that on the monthly basis, the perudic regime shows a surplus every month of the year. Obviously, if calculations were made on a daily basis, there would be short periods of withdrawal."

Ustic

"The ustic (L. *ustus*, burnt, implying dryness) moisture regime is intermediate between the aridic and the udic regime. The concept is one of limited moisture, but the moisture is present at a time when conditions are suitable for plant growth. The ustic moisture regime is not applied to soils that have cryic or pergelic temperature regimes, which are defined later.

If the mean annual soil temperature is 22°C or higher or if the mean summer and winter soil temperatures differ by <5°C at a depth of 50 cm, the soil moisture control section in the ustic moisture regime is dry in some or all parts for 90 or more cumulative days in most years. But the moisture control section is moist in some part for more than 180 cumulative days, or it is continuously moist in some part for at least 90 consecutive days.

If the mean annual soil temperature is lower than 22° C and if the mean summer and winter soil temperatures differ by 5°C or more at a depth of 50 cm, the soil moisture control section in the ustic regime is dry in some or all parts for 90 or more cumulative days in most years. But it is not dry in all parts for more than half the time that the soil temperature is higher than 5°C at a depth of 50 cm (the aridic and torric regimes). Also, it is not dry in all parts for as long as 45 consecutive days in the 4 months that follow the summer solstice in 6 or more years out of 10 if the moisture control section is moist in all parts for 45 or more consecutive days in the 4 months that follow the winter solstice in 6 or more years out of 10 (xeric regime).

In tropical and subtropical regions that have either one or two dry seasons, summer and winter have little meaning. In those regions, the ustic regime is that typified in a monsoon climate that has at least one rainy season of 3 months or more. In temperate regions of subhumid or semiarid climates, the rainy seasons are usually spring and summer or spring and fall, but never winter. Native plants are mostly annuals or they have a dormant period while the soil is dry."

Xeric

"The xeric moisture regime (Gr. *xeros*, dry) is that typified in Mediterranean climates, where winters are moist and cool and summers are warm and dry. The moisture, coming in winter when potential evapotranspiration is at a minimum, is particularly effective for leaching. In a xeric moisture regime, the soil moisture control section is dry in all parts for 45 or more consecutive days within the 4 months that follow the summer solstice in 6 or more years out of 10. It is moist in all parts for 45 or more consecutive days within the 4 months that follow the winter solstice in 6 or more years out of 10. The moisture control section is moist in some part more than half the time, cumulative, that the soil temperature at a depth of 50 cm is higher than 5°C, or in 6 or more years out of 10 it is moist in some part for at least 90 consecutive days when the soil temperature at a depth of 50 cm is continuously higher than 8°C. In addition, the mean annual soil temperature is lower than 22°C, and mean summer and mean winter soil temperatures differ by 5°C or more at a depth of 50 cm or at a lithic or paralithic contact, whichever is shallower."

Classes of Soil Temperature Regimes (Soil Taxonomy, 1975)

The following soil temperature regimes are used in defining classes at various categoric levels in the taxonomy. All definitions are taken verbatim from Soil Taxonomy (1975).

Pergelic. (L. *per*, throughout in time and space, and L. *gelare*, to freeze; connoting permanent frost).— Soils with a pergelic temperature regime have a mean annual temperature lower than 0°C. These are soils that have permafrost if they are moist, or dry frost if excess water is not present. It seems likely that the moist and the dry pergelic regimes should be defined separately, but at present we have only fragmentary data on the dry soils of very high latitudes. Ice wedges and lenses are normal in such soils in the United States.

Cryic. (Gr. *kryos*, coldness; connoting very cold soils).— In this regime soils have a mean annual temperature higher than 0°C (32dF) but lower than 8°C (47°F).

1. In mineral soils, the mean summer temperature for June, July, and August in the northern hemisphere and December, January and February in the southern hemisphere at a depth of 50 cm or at a lithic or paralithic contact, whichever is shallower, is as follows:
   a. If the soil is not saturated with water during some part of the summer and
      (1) There is no O horizon, lower than 15°C (59°F);
      (2) There is an O horizon, lower than 8°C (47°F);
   b. If the soil is saturated with water during some part of the summer and
      (1) There is no O horizon, lower than 13°C (55°F);
      (2) There is an O horizon or a histic epipedon, lower than 6°C (43°F).
2. In organic soils, either
   a. The soil is frozen in some layer within the control section in most years about 2 months after the summer solstice; that is, the soil is very cold in winter but warms up slightly in summer; or
   b. The soil is not frozen in most years below a depth of 5 cm; that is, the soil is cold throughout the year but, because of marine influence, does not freeze in most years.

Cryic soils that have an aquic moisture regime commonly are churned by frost.

Most isofrigid soils with a mean annual soil temperature above 0°C have a cryic temperature regime. A few with organic materials in the upper part are exceptions. Throughout this text all isofrigid soils without permafrost are considered to have a cryic temperature regime.

Frigid.—The frigid regime and some of the others that follow are used chiefly in defining classes of soils in the low categories. In the frigid regime the soil is warmer in summer than one in the cryic regime, but its mean annual temperature is lower than 8°C (47°F), and the difference between mean winter and mean summer soil temperature is more than 5°C (9°F) at a depth of 50 cm or at a lithic or paralithic contact, whichever is shallower.

Mesic.—The mean annual soil temperature is 8°C or higher but lower than 15°C (59°F) and the difference between mean summer and mean winter soil temperature is more than 5°C at a depth of 50 cm or at a lithic or paralithic contact, whichever is shallower.

Thermic.—The mean annual soil temperature is 15°C (59°F) or higher but lower than 22°C (72°F), and the difference between mean summer and mean winter soil temperature is more than 5°C at a depth of 50 cm or at a lithic or paralithic contact, whichever is shallower.

Hyperthermic.—The mean annual soil temperature is 22°C (72°F) or higher, and the difference between mean summer and mean winter soil temperature is more than 5°C at a depth of 50 cm or at a lithic or paralithic contact, whichever is shallower.

If the name of a soil temperature regime has the prefix iso, the mean summer and winter soil temperature for June, July, and August and for December, January, and February differ by less than 5°C at a depth of 50 cm or at a lithic or paralithic contact, whichever is shallower.

Isofrigid.—The mean annual soil temperature is lower than 8°C (47°F).

Isomesic.—The mean annual soil temperature is 8°C or higher but lower than 15°C (59°F).

Isothermic.—The mean annual soil temperature is 15°C or higher but lower than 22°C (72°F).

Isohyperthermic.—The mean annual soil temperature is 22°C or higher.

Key to Tentative Subdivisions of Moisture Regimes

In this key, all climatic requirements are assumed to occur in most years (at least six out of ten).

A. Key to Subdivision of ARIDIC

1) Soils with aridic moisture regimes in which the moisture control section (MCS) is completely dry during the whole year.

EXTREME ARIDIC

2) Other soils with aridic moisture regimes in which the MCS is moist in some or all parts for 45 consecutive days or less during the period that the soil temperature at 50 cm depth is more than 8°C

TYPIC ARIDIC

3) Other soils with aridic moisture regimes

WEAK ARIDIC

B. Key to Subdivision of XERIC

1) Soils with xeric moisture regimes in which the MCS is dry in all parts for more than 90 consecutive days during the four months following the summer solstice

DRY XERIC

2) Other soils with xeric moisture regimes

TYPIC XERIC

C. Key to Subdivision of USTIC

1) Soils with an ustic moisture regime and an iso-temperature regime in which the number of consecutive days that the MCS is completely or partly moist when the soil temperature at 50 cm depth is more than 8°C, is as follows:

a) less than 180 days

ARIDIC TROPUSTIC

b) 180 or more but less than 270 days

TYPIC TROPUSTIC

c) 270 or more days

UDIC TROPUSTIC

2) Other soils with an ustic moisture regime and without an iso-temperature regime:

a) soils in which the MCS is dry in all parts for more than 45 consecutive days during 4 months following the summer solstice, *and* where the MCS is moist in all parts for more than 45 consecutive days during 4 months following the winter solstice

XERIC TEMPUSTIC

b) other soils where the MCS is moist in all parts for more than 45 consecutiv days during 4 months following the winter solstice, *and* where the MCS is not completely dry for more than 45 consecutive days during 4 months following the summer solstice.

WET TEMPUSTIC

c) other soils

TYPIC TEMPUSTIC

D. Key to Subdivision of UDIC

1) Soils with a udic moisture regime in which the MCS is dry in some of all parts for less than 30 cumulative days

TYPIC UDIC

2) Other soils with a udic moisture regime in which the MCS is dry in some or all parts for 30 or more cumulative days

a) with an iso-temperature regime

DRY TROPUDIC

b) without an iso-temperature regime

DRY TEMPUDIC

Brief Description of Tentative Moisture Regime Subdivisions

Aridic Tropustic

The aridic tropustic regime is an ustic moisture regime in which there is acute moisture stress lasting several months. For practically all African stations recorded in this study, the interval that the moisture control section is completely dry varies between 3 and 9 months. The season when water is available in the moisture control section lasts from 3 to 6 months. Crops can be grown without irrigation.

According to the calculations, there are strong variations among the stations in Africa in the time that the moisture control section is completely moist in one year. The range is from zero to five months.

The temperature regimes in Africa in this moisture range are isothermic and isohyperthermic.

Stations in the hyperthermic region which belong to this moisture regime are N'djamena (Chad), Accra (Ghana), Kano (Nigeria), Niamey (Niger), Dakar (Senegambia), Lome (Togo), Ouagadougou (Upper Volta).

Dry Tempudic

This is a udic moisture regime with a minimum of nine months in one year during which the moisture control section is completely moist. However, the length of the time that the moisture control section is dry in some parts is at least one month. The soils with this moisture regime registered in Africa never dry out completely during the summertime.

The dry tempudic moisture regimes have a seasonal temperature variation exceeding 5°C in the soil at 50 cm depth. They only occur in the southern part of the continent.

Dry Tropudic

The soils with this soil moisture regime have at least nine months in one year that the moisture control section is completely moist. However at least one month has some dryness; some soils dry out completely in the control section but seldom for more than one month.

In soils with a dry tropudic moisture regime the difference between winter and summer soil temperatures at 50 cm depth is less than 5°C. The stations recorded in Africa are either isohyperthermic or isothermic.

According to the results of the calculations for Africa, the moisture control section almost never dries out completely during the four months following the summer solstice. The wet season may be bimodal and separated into two rainy seasons. In isohyperthermic regimes there is almost always some moisture in the control section for approximately 10 consecutive months.

Stations in the isohyperthermic region which belong to this class are Douala, Dschang, Yaounde (Cameroon), Libreville (Gabon), Abidjan (Ivory Coast), Monrovia (Liberia), Kinshasa (Zaire). For isothermic areas Tananarive (Malagasy) is an example.

Dry Xeric

These are soils with wet winters and dry summers.

The dry xeric moisture regime is a xeric moisture regime in which the moisture control section is dry in all parts for more than 3 months during summer.

All stations included in this study have a thermic moisture regime. The duration of the season when the soil temperature drops below 8°C varies from 0 to 5 months.

Almost all stations are located in the Mediterranean area in North Africa: Oran (Algeria), Casablanca (Morocco), and Tunis (Tunisia) are examples.

Extreme Aridic

The extreme aridic moisture regime is an aridic moisture regime in which the moisture control section is always completely dry.

No cultivation is possible without irrigation.

Soils with this moisture regime occur in the northern and in the southern part of the continent. Examples are Cairo, Luxor, Suez (Egypt), Agadir (Morocco), Berbera (Somalia), Mossel Bay (South Africa).

Perudic

The perudic moisture regime is a moisture regime defined by properties of the atmospheric climate. For each month the rainfall exceeds the potential evapotranspiration. When considered on a monthly basis the moisture control section is always completely moist and crops should not suffer at

any time from drought. This does not mean, however, that short periods of moisture stress may not occur in the surface layers of the soil. Boende (Zaire) and Greenville (Liberia) are examples of perudic moisture regimes.

Typic Aridic

The typic aridic moisture regime is an aridic moisture regime in which the moisture control section is moist in some or in all parts at some time in one year for 45 consecutive days or less when the soil temperature at 50 cm depth is more than 8°C.

The stations grouped in this class in Africa seldom have moisture for more than one month when the temperature is high enough for crop growth. Cultivation is not possible without irrigation in soils with typic aridic moisture regimes. Tombouctou (Mali), Khartoum (Sudan), Luanda, Lobito (Angola), Mogadishu (Somalia), Nouakchott (Mauritania) are examples of stations with soils having a typic aridic moisture regime.

Typic Tempustic

The typic tempustic moisture regime by definition has marked seasonal variation both in temperature and moisture. There are more than 90 days in one year that the moisture control section is dry in some or all parts.

The typic tempustic moisture regime does not have the characteristics of xeric moisture regimes which require the moisture control section to be completely moist during more than 45 days during the winter time and completely dry for more than 45 days in the summertime. Therefore the typic tempustic moisture regime does not have the characteristics of the Mediterranean climates.

Most stations, but not all classified in this regime, are never completely moist in the control section. Almost all are dry in some or all parts during winter; therefore, leaching in these soils is minimal.

The typic tempustic moisture regimes is found in Africa under hyperthermic, thermic, and mesic temperature regimes. Alexandria (Egypt), Bloemfontein (South Africa) are examples of stations which belong to this moisture regime.

Typic Tropustic

The soils with a typic tropustic moisture regime are dry in some or all parts for more than 3 months during one year. The rainy season, however, is long enough to grow a crop without supplemental irrigation. In soils with a typic tropustic moisture regime the time that the moisture control section is completely or partly moist without interruption, and the soil temperature is more than 8°C, varies between 6 and 9 months.

The seasonal variation in soil temperature at 50 cm depth does not exceed 5°C.

Stations which have soils with a typic tropustic moisture regime are Cotonou (Benin), Bujumbura (Burundi), Bambari (Central African Republic), Conakry (Guinea), Bouake (Ivory Coast), Mombasa (Kenya), Ibadan (Nigeria), Bissau (Guinea Bissau), Njala, Rokupr (Sierra Leone), Dar es Salaam (Tanzania), Livingstone (Zambia), Bulawayo (Zimbabwe), Port Elizabeth (South Africa).

Typic Udic

The moisture control section in soils with a typic udic moisture regime is moist in all parts for at least eleven months in one year. The moisture control section seldom dries out completely. There is at least one month where the evapotranspiration is higher than the actual precipitation.

Typic udic moisture regimes may have both iso- and non-iso-temperature regimes. The following stations may be mentioned: Entebbe (Uganda), Yangambi (Zaire), Addis-Ababa (Ethiopia), Nairobi (Kenya), Johannesburg, Pretoria (South Africa).

Typic Xeric

Soils with a typic xeric moisture regime are those soils in which the moisture control section is completely moist during more than 45 consecutive days during the four months following the winter solstice. The moisture control section dries out completely between 45 and 90 days in the summer.

Typical stations are Alger (Algeria), Rabat (Morocco), Capetown (South Africa) and Bizerte (Tunis).

Udic Tropustic

In this regime, the moisture control section is dry in some or all parts for more than 90 cumulative days. The number of consecutive days that there is some available water in the moisture control section is 270 or more.

The difference between the summer and winter soil temperatures at 50 cm depth is less than 5°C.

Stations which belong to this regime are Ekona (Cameroon), Bangui (Central African Republic), Lambarene (Gabon), Kumasi (Ghana), Lilongwe (Malawi), Lubumbashi (Zaire), Lusaka (Zambia), Salisbury (Zimbabwe), Arusha (Tanzania).

Weak Aridic

The soils with weak aridic moisture regimes are moist in some or all parts of the moisture control section for more than 45 consecutive days during the time that the soil temperature at 50 cm depth is more than 8°C. By the definition of aridic, however, the maximum length of time that some water is available in the moisture control section is less than 3 months.

In some years some crops may be grown without supplemental irrigation primarily in areas of temperature regimes cooler than hyperthermic and isohyperthermic. However, rainfall is very erratic and irrigation is usually required.

Tobruk (Libya), Windhoek (Namibia) are stations where soils with weak aridic regimes occur.

Wet Tempustic

The wet tempustic moisture regime is found in Africa in soils with a thermic temperature regime with seasonal variation of temperature between winter and summer. Soils with wet tempustic moisture regimes suffer from moisture stress in the moisture control section for more than 3 months, but they do not dry out completey during the four months after the summer solstice for more than 45 days. They are completely moist in winter for more than 45 days in the period of four months following the winter solstice.

Only a few stations of Africa were classified in this regime with examples in Algeria, Tunisia and South Africa. They are usually completely moist for more than 2 months in winter and seldom dry out completely during the summertime. These conditions are such that leaching of salts should occur at least during the wintertime.

Xeric Tempustic

The xeric tempustic moisture regime is a moisture regime that has all the characteristics of a xeric moisture regime except the temperature requirement implied in the definition of xeric.

The stations identified in this study with xeric tempustic moisture regime are located in Libya and Morocco. The moisture conditions are very similar to the dry xeric conditions.

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EXPLANATION OF TABLES

A

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR URUG — PAGE 1

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY M/D MOI			WHEN SOIL TEMP >5 DRY M/D MOI			MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
COLONIA	20.0	23.8	16.5	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

B

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION
(CORRECTION FOR TEMPERATURE IS 2.5; SEASONAL AMPLITUDE MODIFIED BY FACTOR 0.66)

PAGE 1

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ACCNOCOCHA	UDIC	0	CRYIC	CONTUDIC					180	180	180	180
	1	2	3	4	5	6	7	8	9	10	11	12	13

C

LIST OF STATIONS WITH
TYPIC XERIC
MOISTURE REGIME

PAGE 1

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY M/D MOI			WHEN SOIL TEMP >5 DRY M/D MOI			MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
MESIC	ARGT	ESQUEL	9.9	11.9	6.0	81	66	105	189	66	76	76	81	51	120
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Explanation of Data in the Tables

Table A. Country Listings*

Column 1: Mean annual soil temperature calculated by adding 2.5°C to the mean temperature of the air.
Column 2: Mean summer soil temperature in degrees Celsius at 50 cm depth calculated by averaging the three summer month air temperatures (June, July and August or December, January and February depending on the hemisphere) and adding 2.5°C to this average. One sixth of the difference between winter and summer air temperatures is then subtracted from this average to take into account the decrease in seasonal amplitude at 50 cm depth.
Column 3: Mean winter soil temperature in °C at 50 cm depth obtained by averaging the monthly air temperatures during the winter months, June, July and August or December, January and February depending on the hemisphere, and adding 2.5°C to this average. One sixth of the difference between winter and summer air temperatures is added to this average in order to take into account the decrease in seasonal amplitude at 50 cm depth.
Column 4: Name of the soil temperature regime at the station, taking into account the results of the computation and applying the definitions of Soil Taxonomy.
Column 5: Number of cumulative days that the moisture control section is completely dry in one year.
Column 6: Number of cumulative days that the moisture control section is partly moist or partly dry during one year.
Column 7: Number of cumulative days that the moisture control section is completely moist during one year.
Column 8: Number of cumulative days that the moisture control section is completely dry when the soil temperature at 50 cm depth is higher than 5°C.
Column 9: Number of cumulative days that the moisture control section is partly moist or partly dry when the soil temperature at 50 cm depth is higher than 5°C.
Column 10: Number of cumulative days that the moisture control section is completely moist when the soil temperature is higher than 5°C.
Column 11: Highest number of consecutive days in one year that the moisture control section is moist in some or all parts, or, stated differently, the maximum number of consecutive days in one year that the moisture control section is not completely dry. To compute this number the program considers two years so that the sequence is not broken by a change of calendar year.
Column 12: Maximum number of consecutive days in a year that the moisture control section is moist in some or all parts at the time that the soil temperature at 50 cm depth is higher that 8°C. To compute this number the program considers a period of two years so that the sequence is not broken by a change of calendar year.
Column 13: Maximum number of consecutive days that the moisture control section is completely dry during the 4 months which follow the summer solstice. The control period is 120 days starting the first of July or the first of January depending on the hemisphere.
Column 14: Maximum number of consecutive days that the moisture control section is completely moist after the winter solstice. The control period is 120 days starting the first of July or the first of January depending on the hemisphere.
Column 15: The moisture regime calculated on the basis of the numerical data of the previous columns following the definitions of Soil Taxonomy.

Table B. Tentative Subdivision of the Moisture Regimes*

Column 1: Same as Column 15 of Table A.
Column 2: Same as Column 12 of Table A.
Column 3: Same as Column 4 of Table A.
Column 4: Tentative subdivision of the moisture regime, following the key to tentative subdivisions in this publication.
Column 5: Same as Column 15 of Table A.
Column 6: Maximum number of consecutive days that the moisture control section is moist in some or all parts during the six months following the summer solstice.
Column 7: Maximum number of consecutive days that the moisture control section is moist in some or all parts during the six months which follow the winter solstice.
Column 8: Number of cumulative days that the moisture control section is moist in some or all parts during the six months which follow the summer solstice.
Column 9: Number of cumulative days that the moisture control section is moist in some or all parts during six months following the winter solstice.

*see figure page 12

Column 10: Maximum number of consecutive days that the moisture control section is completely moist during the six months following the summer solstice.
Column 11: Maximum number of consecutive days in one year that the moisture control section is completely moist during the six months following the winter solstice.
Column 12: Number of cumulative days that the moisture control section is completely moist during the six months following the summer solstice.
Column 13: Number of cumulative days that the moisture control section is completely moist during the six months following the winter solstice.

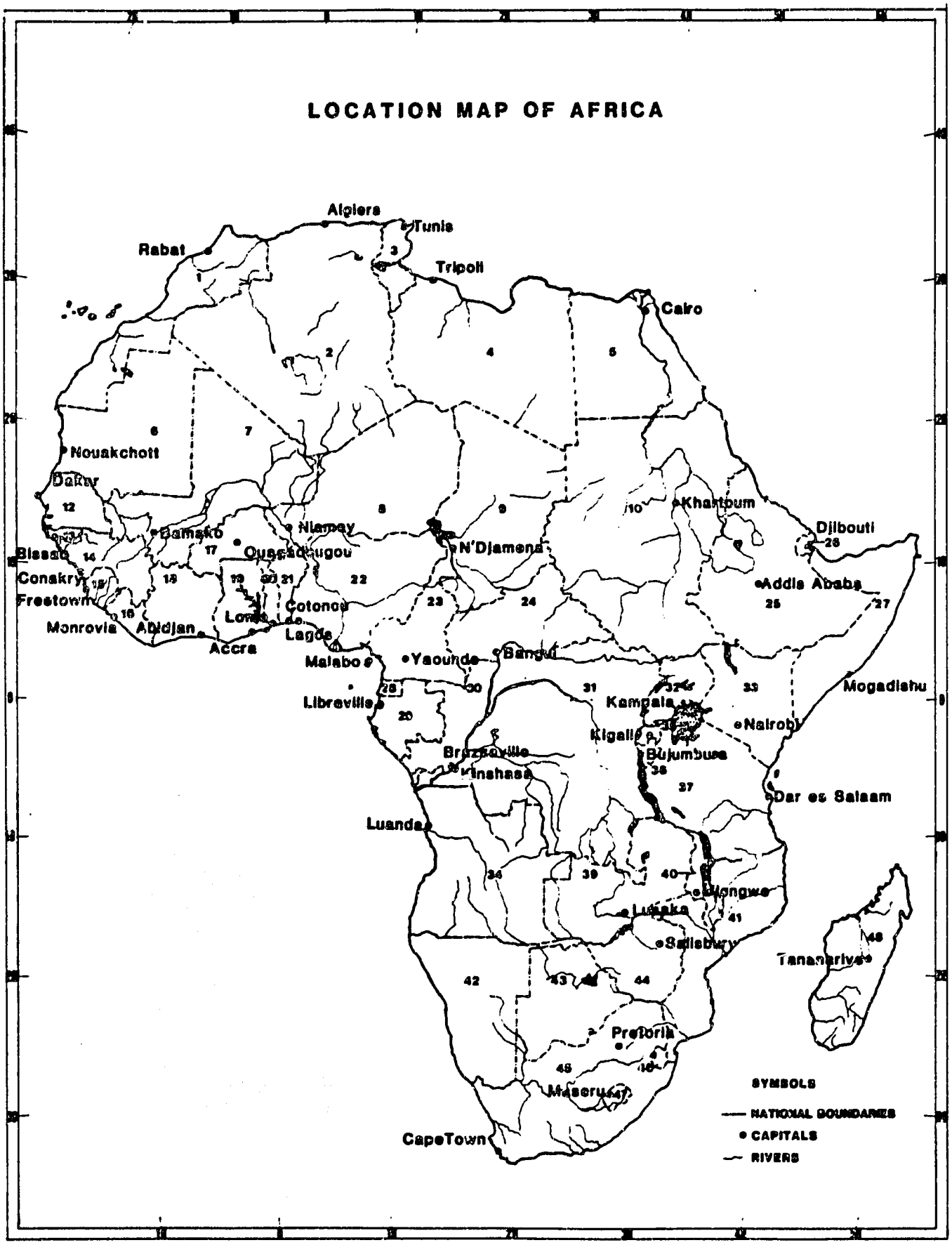
Table C. Moisture Regime Listings*

Column 1: The soil temperature regime, same as the information given in Table A, Column 4. In these listings the temperature regimes follow in alphabetical order.
Column 2: Country codes; for explanation see page 16.
Column 3: Name of the station given in alphabetic order for each country.
Column 4: Mean annual soil temperature in °C. For explanation see Column 1 in Table A.
Column 5: Mean summer soil temperature at 50 cm depth; for explanation see Column 2 in Table A.
Column 6: Mean winter soil temperature at 50 cm depth; for explanation see Column 3 in Table A.
Column 7: The number of days in one year that the soil temperature at 50 cm depth is higher than 8°C. The beginning and ending dates of the 8°C soil temperature season is approximated from the sequence of monthly air temperatures. For the beginning of the season the last air temperature below 8°C and the first one above are linearly interpolated between the 15th of each month. Then 15 days are added to the date to compensate for the time lag between air and soil temperatures. For autumn, or the end of the 8°C temperature season, a similar procedure is followed except that the temperatures above and below the critical limits are reversed. It should be noted that the air temperature input data are not corrected by the 2.5°C used for calculating the mean annual, winter and summer soil temperatures. For this reason, some discrepancies between these data may occur in the tables.
Columns 8, 9, 10, 11, 12, 13 are identical to Columns 5, 6, 7, 8, 9, 10 of Table A.
Columns 14, 15 and 16 have the same data as Columns 12, 13, and 14 of Table A.

*see figure page 12

List of Country Map Numbers

MAP NUMBER	COUNTRY	CODE
1	Morocco	MORO
2	Algeria	ALGE
3	Tunisia	TUNI
4	Libya	LIBY
5	Egypt	EGYP
6	Mauritania	MAUR
7	Mali	MALI
8	Niger	NIGE
9	Chad	CHAD
10	Sudan	SUDA
12	Senegambia	SENE
13	Guinea-Bissau	PGUI
14	Guinea	GUIN
15	Sierra Leone	SLEO
16	Liberia	LIBE
17	Upper Volta	UVOL
18	Ivory Coast	IVOR
19	Ghana	GHAN
20	Togo	TOGO
21	Benin	BENI
22	Nigeria	NGRA
23	Cameroon	CAME
24	Central African Republic	CENT
25	Ethiopia	ETHI
26	Djibouti	DJIB
27	Somalia	SOMA
28	Equatorial Guinea	EQGU
29	Gabon	GABO
30	Congo	CONG
31	Zaire	ZAIR
32	Uganda	UGAN
33	Kenya	KENY
34	Angola	ANGO
35	Rwanda	RWAN
36	Burundi	BURU
37	Tanzania	TANZ
39	Zambia	ZAMB
40	Malawi	MALW
41	Mozambique	MOZA
42	Namibia	SWAF
43	Botswana	BOTZ
44	Zimbabwe	RHOD
45	South Africa	SAFR
46	Swaziland	SWAZ
47	Lesotho	LESO
48	Malagasy	MALA


LOCATION MAP OF AFRICA
Algiers
Tunis
Rabat
Tripoli
Cairo
Nouakchott
Dakar
Bamako
Niamey
Ouagadougou
N'Djamena
Khartoum
Djibouti
Bissau
Conakry
Freetown
Monrovia
Abidjan
Accra
Lome
Cotonou
Lagos
Malabo
Yaounde
Bangui
Addis Ababa
Mogadishu
Libreville
Kampala
Nairobi
Kigali
Bujumbura
Brazzaville
Kinshasa
Dar es Salaam
Luanda
Blantyre
Lusaka
Salisbury
Tananarive
Pretoria
Maseru
CapeTown
SYMBOLS
NATIONAL BOUNDARIES
CAPITALS
RIVERS

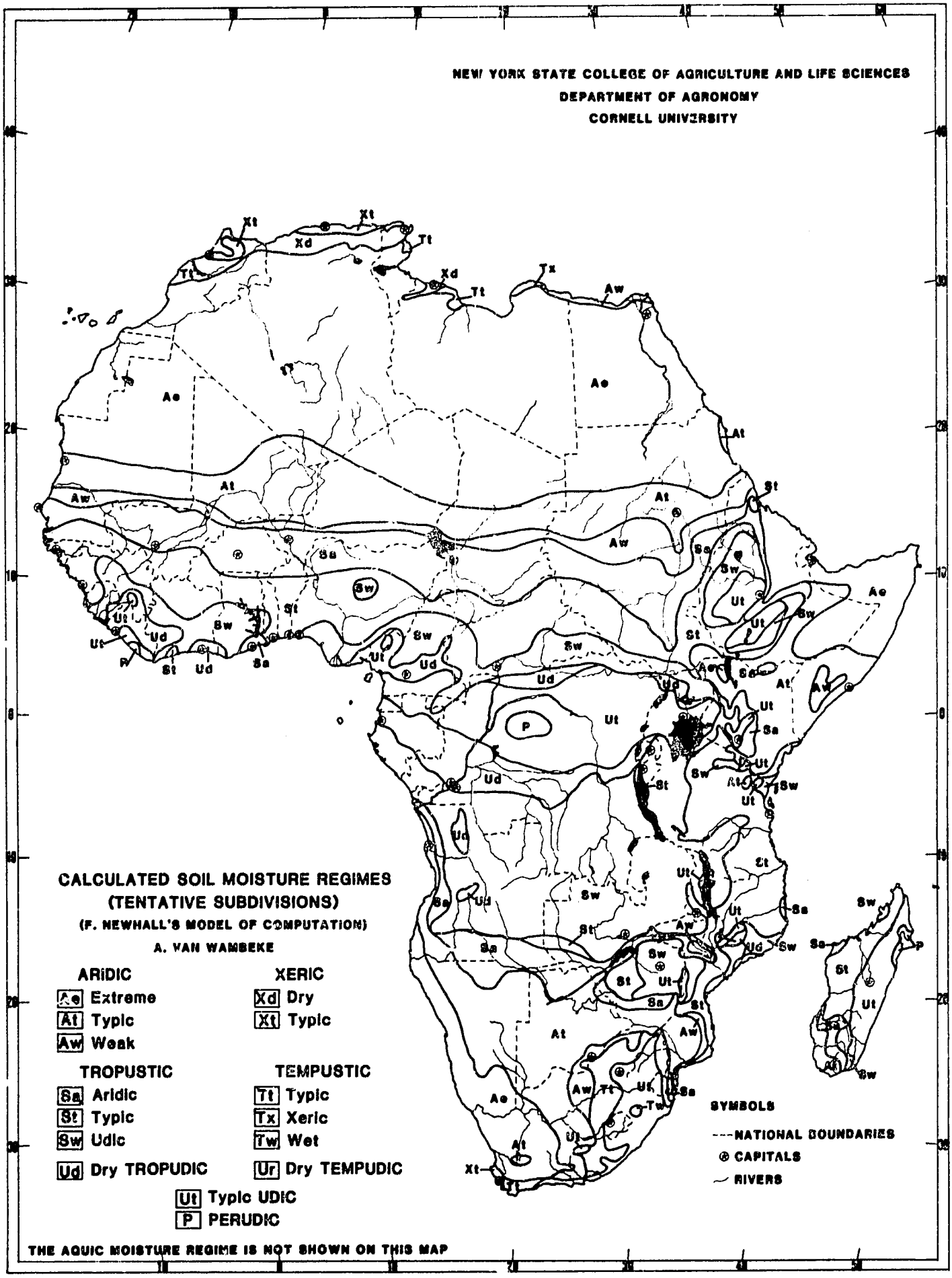
List of Country Names

COUNTRY	CODE	MAP NUMBER
Algeria	ALGE	2
Angola	ANGO	34
Benin	BENI	21
Botswana	BOTZ	43
Burundi	BURU	36
Cameroon	CAME	23
Central African Republic	CENT	24
Chad	CHAD	9
Congo	CONG	30
Djibouti	DJIB	26
Egypt	EGYP	5
Equatorial Guinea	EQGU	28
Ethiopia	ETHI	25
Gabon	GABO	29
Ghana	GHAN	19
Guinea	GUIN	14
Guinea-Bissau	PGUI	13
Ivory Coast	IVOR	18
Kenya	KENY	33
Lesotho	LESO	47
Liberia	LIBE	16
Libya	LIBY	4
Malagasy	MALA	48
Malawi	MALW	40
Mali	MALI	7
Mauritania	MAUR	6
Morocco	MORO	1
Mozambique	MOZA	41
Namibia	SWAF	42
Niger	NIGE	8
Nigeria	NGRA	22
Rwanda	RWAN	35
Senegambia	SENE	12
Sierra Leone	SLEO	15
Somalia	SOMA	27
South Africa	SAFR	45
Sudan	SUDA	10
Swaziland	SWAZ	46
Tanzania	TANZ	37
Togo	TOGO	20
Tunisia	TUNI	3
Uganda	UGAN	32
Upper Volta	UVOL	17
Zaire	ZAIR	31
Zambia	ZAMB	39
Zimbabwe	RHOD	44

List of Country Codes

CODE	COUNTRY	MAP NUMBER
ALGE	Algeria	2
ANGO	Angola	34
BENI	Benin	21
BOTZ	Botswana	43
BURU	Burundi	36
CAME	Cameroon	23
CENT	Central African Republic	24
CHAD	Chad	9
CONG	Congo	30
DJIB	Djibouti	26
EGYP	Egypt	5
EQGU	Equatorial Guinea	28
ETHI	Ethiopia	25
GABO	Gabon	29
GHAN	Ghana	19
GUIN	Guinea	14
IVOR	Ivory Coast	18
KENY	Kenya	33
LESO	Lesotho	47
LIBE	Liberia	16
LIBY	Libya	4
MALA	Malagasy	48
MALI	Mali	7
MALW	Malawi	40
MAUR	Mauritania	6
MORO	Morocco	1
MOZA	Mozambique	41
NGRA	Nigeria	22
NIGE	Niger	8
PGUI	Guinea-Bissau	13
RHOD	Zimbabwe	44
RWAN	Rwanda	35
SAFR	South Africa	45
SENE	Senegambia	12
SLEO	Sierra Leone	15
SOMA	Somalia	27
SUDA	Sudan	10
SWAF	Namibia	42
SWAZ	Swaziland	46
TANZ	Tanzania	37
TOGO	Togo	20
TUNI	Tunisia	3
UGAN	Uganda	32
UVOL	Upper Volta	17
ZAIR	Zaire	31
ZAMB	Zambia	39

COUNTRY TABLES OF AFRICA



17

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ALGE

ALGERIA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
AFLOU	15.6	22.1	9.9	THERMIC	164	78	118	164	26	85	196	94	119	75	XERIC
AGHRID	17.7	22.8	13.1	THERMIC	69	54	237	69	54	237	291	172	69	120	XERIC
AIN-EL-GOTIA	15.5	22.3	10.0	THERMIC	152	47	161	152	22	110	208	96	111	105	XERIC
AIN-EL-KSAR	17.1	21.8	12.7	THERMIC	23	76	261	23	76	261	337	166	23	120	USTIC
AIN-OURCINEF	19.4	23.6	15.5	THERMIC	51	68	241	51	68	241	296	296	34	120	USTIC
AIN-SEFRA	19.1	25.8	12.9	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
ALGER-UNIVER	20.8	24.7	17.1	THERMIC	81	53	226	81	53	226	279	279	81	120	XERIC
ALGER/DAR-EL	19.8	24.1	15.6	THERMIC	81	53	226	81	53	226	279	279	81	120	XERIC
AMMI-MOUSSA	20.5	26.6	15.3	THERMIC	128	48	184	128	48	184	232	232	113	120	XERIC
ARD-EL-BEIDA	20.9	27.2	15.6	THERMIC	142	74	144	142	74	144	218	218	120	105	XERIC
ARRIS	16.8	23.0	11.4	THERMIC	173	74	113	173	74	113	187	94	120	75	XERIC
ATTAFS(LES)	20.5	26.7	15.2	THERMIC	127	60	173	127	60	173	233	233	112	120	XERIC
AUMALE	17.1	23.3	11.8	THERMIC	105	53	202	105	53	202	255	138	90	120	XERIC
BARIKA	21.0	28.2	14.8	THERMIC	253	107	0	253	107	0	107	92	120	0	USTIC
BATNA-VILLE	16.5	22.7	11.1	THERMIC	165	76	119	165	60	119	195	98	120	75	XERIC
BAUIRA	18.2	24.1	13.1	THERMIC	109	52	199	109	52	199	251	156	94	120	XERIC
BECHAR ALGER	23.6	31.1	16.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BEN-CHICAO	16.3	23.2	11.1	THERMIC	78	60	222	78	60	194	282	124	78	120	XERIC
BENI-SAF	20.6	24.2	17.5	THERMIC	151	73	136	151	73	136	209	209	120	105	XERIC
BERROUGHIA	16.7	22.7	11.3	THERMIC	107	52	201	107	52	201	253	132	92	120	XERIC
BISKRA ALGER	24.4	31.6	18.0	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BLIDA	20.8	25.7	16.4	THERMIC	75	50	235	75	50	235	285	285	75	120	XERIC
BOGHAR	17.5	24.0	11.9	THERMIC	147	51	162	147	51	162	213	123	109	107	XERIC
BONE-PORT	20.5	24.6	16.6	THERMIC	81	53	226	81	53	226	279	279	81	120	XERIC
BORDJ-BOU-AR	17.6	24.4	11.9	THERMIC	152	53	155	152	53	155	208	113	114	105	XERIC
BOU-THALEB	14.7	21.3	9.1	MESIC	194	68	188	104	53	108	256	109	89	120	XERIC
BOUGHIE	21.1	25.0	17.1	THERMIC	67	62	231	67	62	231	283	283	47	120	XERIC
BOURBAKI	17.7	24.5	12.3	THERMIC	138	50	172	138	50	172	222	132	99	111	XERIC
BOUZAREA	19.0	23.2	15.1	THERMIC	74	55	231	74	55	231	286	286	74	120	XERIC
BRAHIM	19.6	23.2	16.3	THERMIC	132	52	176	132	52	176	228	228	117	120	XERIC
BUGAUD	16.2	20.9	11.4	THERMIC	65	59	236	65	59	236	295	147	65	120	XERIC
CAP-AFIAH	20.6	24.9	16.4	THERMIC	84	52	224	84	52	224	276	276	84	120	XERIC
CAP-BENGUT	19.8	23.7	16.0	THERMIC	68	66	226	68	66	226	281	281	49	120	XERIC
CAP-BOUGARON	20.5	25.1	16.2	THERMIC	84	52	224	84	52	224	276	276	84	120	XERIC
CAP-CARBON	20.6	24.6	16.7	THERMIC	70	63	227	70	63	227	281	281	49	120	XERIC
CAP-DE-GARDE	21.0	25.1	17.0	THERMIC	83	72	205	83	72	205	277	277	83	120	XERIC
CAP-FALCON	20.7	24.3	17.5	THERMIC	168	192	0	168	192	0	192	192	120	0	USTIC
CAP-IVI	20.4	24.3	16.7	THERMIC	153	57	150	153	57	150	207	207	120	120	XERIC
CAP-MATIFOU	20.0	23.9	16.2	THERMIC	83	86	191	83	86	191	277	277	83	120	XERIC
CAP-SIGLI	20.9	24.8	17.1	THERMIC	83	52	225	83	52	225	277	277	83	120	XERIC
CAP-TENES	20.1	23.8	16.4	THERMIC	136	80	144	136	80	144	224	224	120	105	XERIC
CASTIGLIONE	20.0	23.5	16.8	THERMIC	76	55	229	76	55	229	284	284	76	120	XERIC
COLIGNY	15.5	21.8	10.1	THERMIC	100	56	204	100	56	135	260	123	85	120	XERIC
COLLO	20.5	24.8	16.4	THERMIC	68	66	226	68	66	226	278	278	52	120	XERIC
COLOMB-BECHA	22.8	30.1	16.1	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ALGE

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
DJIDJELLI	20.7	24.9	16.8	THERMIC	61	64	235	61	64	235	286	286	44	120	USTIC
DOUAOUIA	15.7	21.9	10.9	THERMIC	121	73	166	121	73	149	239	104	106	105	XERIC
DUPERRE	21.2	28.1	15.8	THERMIC	125	49	186	125	49	186	235	235	110	120	XERIC
EL-ANCOR	20.6	24.5	17.0	THERMIC	124	51	185	124	51	185	236	236	109	120	XERIC
EL-KANTARA	20.1	26.6	13.6	THERMIC	217	143	0	217	143	0	143	80	120	0	ARIDIC
EL-MILIA	20.8	25.8	16.3	THERMIC	78	51	231	78	51	231	282	282	78	120	XERIC
EL-NOUADEUR	18.2	24.7	13.1	THERMIC	112	51	197	112	51	197	248	148	97	120	XERIC
EL-OUED	24.5	31.2	17.8	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ELMA-HACHECH	17.8	22.9	13.4	THERMIC	36	73	251	36	73	251	324	324	36	120	USTIC
FORT-NATIONA	17.3	23.3	12.2	THERMIC	71	53	236	71	53	236	289	145	71	120	XERIC
GERYVILLE	16.2	23.1	10.3	THERMIC	169	75	116	169	20	103	191	91	120	75	XERIC
GHARDAIA	23.9	31.3	17.5	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
GUELMA	19.7	24.9	15.0	THERMIC	77	82	201	77	82	201	283	283	77	120	XERIC
HAFIR	16.0	21.9	11.4	THERMIC	65	66	229	65	66	229	295	137	65	120	XERIC
HERBILLION	21.4	25.1	17.8	THERMIC	81	53	226	81	53	226	279	279	81	120	XERIC
IGHIL-IMOULA	19.5	25.2	14.3	THERMIC	76	52	232	76	52	232	284	284	76	120	XERIC
JEMMAPES	20.4	25.1	15.9	THERMIC	81	82	197	81	82	197	279	279	81	120	XERIC
LA-CALLE	21.1	25.1	17.2	THERMIC	80	54	226	80	54	226	280	280	80	120	XERIC
LAC-DE-MOUZA	14.2	20.6	9.6	MESIC	61	56	243	61	56	153	299	107	61	120	XERIC
LAGHOUAT ALG	20.4	27.6	14.3	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
MAILLOT	20.1	26.2	14.7	THERMIC	118	49	193	118	49	193	242	242	103	120	XERIC
MAISON-CARRE	20.0	24.1	16.3	THERMIC	79	54	227	79	54	227	281	281	79	120	XERIC
MASCARA	19.5	25.2	14.6	THERMIC	115	50	195	115	50	195	245	245	100	120	XERIC
MECHERIA	18.4	25.3	12.6	THERMIC	193	167	0	193	167	0	167	90	120	0	USTIC
MEDEA	17.0	22.8	11.9	THERMIC	71	53	236	71	53	236	289	143	71	120	XERIC
MENERVILLE	20.2	25.0	15.8	THERMIC	80	51	229	80	51	229	280	280	80	120	XERIC
MICHELET	17.0	23.1	12.1	THERMIC	67	53	240	67	53	240	293	145	67	120	XERIC
MILIANA	18.1	24.0	13.4	THERMIC	75	52	233	75	52	233	285	168	75	120	XERIC
MORRIS	20.4	24.9	16.2	THERMIC	77	71	212	77	71	212	283	283	77	120	XERIC
MOSTAGANEM	20.7	24.3	17.3	THERMIC	151	72	137	151	72	137	209	209	120	105	XERIC
NEMOURS	19.5	23.4	16.2	THERMIC	133	79	148	133	79	148	227	227	118	105	XERIC
ORAN	20.8	24.5	17.3	THERMIC	130	52	178	130	52	178	230	230	115	120	XERIC
ORLEANSVILLE	21.2	27.7	15.8	THERMIC	138	58	164	138	58	164	222	222	120	120	XERIC
OUED-MARSA	20.6	25.0	16.4	THERMIC	43	83	234	43	83	234	317	317	43	120	USTIC
OUED-SLISSEN	16.5	22.2	11.9	THERMIC	156	74	130	156	74	130	204	116	111	75	XERIC
OUJDA	19.3	24.6	14.7	THERMIC	167	76	117	167	76	117	193	193	120	75	XERIC
OULED-DJELLA	23.0	30.0	16.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
PHILIPPEVILL	19.6	23.6	15.7	THERMIC	75	56	229	75	56	229	285	285	75	120	XERIC
REIBELL-CHEL	18.7	25.2	13.1	THERMIC	191	169	0	191	169	0	169	102	120	0	USTIC
RELIZANE	20.9	26.5	15.9	THERMIC	182	70	108	182	70	108	178	178	120	75	XERIC
ROUIBA	19.8	23.9	15.7	THERMIC	80	54	226	80	54	226	280	280	80	120	XERIC
SAIDA	18.9	25.2	13.8	THERMIC	166	78	116	166	78	116	194	146	120	75	XERIC
SAINT-ARNAUD	16.0	22.3	10.8	THERMIC	142	48	170	142	48	170	218	118	97	105	XERIC
SEDRATA	16.8	22.6	11.4	THERMIC	131	55	174	131	55	174	229	132	91	110	XERIC
SETIF	16.4	22.7	11.0	THERMIC	108	73	179	108	73	158	252	126	93	113	XERIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ALGE

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
SIDI-AISSA	19.1	25.9	13.0	THERMIC	187	69	104	187	69	104	173	102	120	75	XERIC
SIDI-BEL-ABB	18.0	23.0	13.9	THERMIC	124	77	159	124	77	159	236	236	109	105	XERIC
SOUK-AHRAS	17.1	22.6	12.2	THERMIC	100	55	205	100	55	205	260	146	85	120	XERIC
STAOUELI	19.5	24.1	15.7	THERMIC	80	54	226	80	54	226	280	280	80	120	XERIC
TEBESSA	18.4	24.8	12.6	THERMIC	218	142	0	218	142	0	142	93	120	0	USTIC
TENES	21.0	25.2	17.3	THERMIC	87	84	189	87	84	189	273	273	87	120	XERIC
TENIET-EL-HA	16.1	22.3	10.9	THERMIC	70	85	205	70	85	180	290	132	70	120	XERIC
THIERSVILLE	19.2	24.7	14.5	THERMIC	119	48	193	119	48	193	241	241	104	120	XERIC
TIARET	17.3	23.8	12.1	THERMIC	106	48	206	106	48	206	254	136	91	120	XERIC
TIZI-OUZOU	20.4	25.8	15.6	THERMIC	84	50	226	84	50	226	276	276	84	120	XERIC
TLEMCEN	18.9	24.1	14.5	THERMIC	72	83	205	72	83	205	288	288	72	120	XERIC
TOUGGOURT	24.0	31.0	17.3	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
TROIS-MARABO	20.2	24.5	16.3	THERMIC	79	83	198	79	83	198	281	281	79	120	XERIC
VIALAR	16.7	23.2	11.6	THERMIC	111	70	179	111	70	179	249	125	96	114	XERIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ALGE

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
AFLOU	XERIC	94	THERMIC	DRY XERIC	15	180	16	180				
AGHRID	XERIC	172	THERMIC	TYPIC XERIC	75	180	111	180				
AIN-EL-GOTIA	XERIC	96	THERMIC	DRY XERIC	19	180	28	180				
AIN-EL-KSAR	USTIC	166	THERMIC	WET TEMPUST.	105	180	157	180				
AIN-OURCINEF	USTIC	296	THERMIC	WET TEMPUST.	75	180	129	180				
AIN-SEFRA	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
ALGER-UNIVER	XERIC	279	THERMIC	TYPIC XERIC	75	180	99	180				
ALGER/DAR-EL	XERIC	279	THERMIC	TYPIC XERIC	75	180	99	180				
AMMI-MOUSSA	XERIC	232	THERMIC	DRY XERIC	45	180	52	180				
ARD-EL-BEIDA	XERIC	218	THERMIC	DRY XERIC	45	173	45	173				
ARRIS	XERIC	94	THERMIC	DRY XERIC	15	172	15	172				
ATTAFS(LES)	XERIC	233	THERMIC	DRY XERIC	45	180	53	180				
AUMALE	XERIC	138	THERMIC	TYPIC XERIC	45	180	75	180				
BARIKA	USTIC	92	THERMIC	TYPIC TEMPUST.	0	107	0	107				
BATNA-VILLE	XERIC	98	THERMIC	DRY XERIC	15	180	15	180				
BAUIRA	XERIC	156	THERMIC	DRY XERIC	45	180	71	180				
BECHAR ALGER	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
BEN-CHICAO	XERIC	124	THERMIC	TYPIC XERIC	75	180	102	180				
BENI-SAF	XERIC	209	THERMIC	DRY XERIC	45	164	45	164				
BERROUGHIA	XERIC	132	THERMIC	DRY XERIC	45	180	73	180				
BISKRA ALGER	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
BLIDA	XERIC	285	THERMIC	TYPIC XERIC	75	180	105	180				
BOGHAR	XERIC	123	THERMIC	DRY XERIC	22	180	33	180				
BONE-PORT	XERIC	279	THERMIC	TYPIC XERIC	75	180	99	180				
BORDJ-BOU-AR	XERIC	113	THERMIC	DRY XERIC	22	180	28	180				
BOU-THALEB	XERIC	109	MESIC	TYPIC XERIC	45	180	76	180				
BOUGHIE	XERIC	283	THERMIC	TYPIC XERIC	75	180	113	180				
BOURBAKI	XERIC	132	THERMIC	DRY XERIC	21	180	42	180				
BOUZAREA	XERIC	286	THERMIC	TYPIC XERIC	75	180	106	180				
BRAHIM	XERIC	228	THERMIC	DRY XERIC	45	180	48	180				
BUGAUD	XERIC	147	THERMIC	TYPIC XERIC	75	180	115	180				
CAP-AFIAH	XERIC	276	THERMIC	TYPIC XERIC	75	180	96	180				
CAP-BENGUT	XERIC	281	THERMIC	TYPIC XERIC	75	180	112	180				
CAP-BOUGARON	XERIC	276	THERMIC	TYPIC XERIC	75	180	96	180				
CAP-CARBON	XERIC	281	THERMIC	TYPIC XERIC	75	180	110	180				
CAP-DE-GARDE	XERIC	277	THERMIC	TYPIC XERIC	75	180	97	180				
CAP-FALCON	USTIC	192	THERMIC	TYPIC TEMPUST.	45	147	45	147				
CAP-IVI	XERIC	207	THERMIC	DRY XERIC	45	162	45	162				
CAP-MATIFOU	XERIC	277	THERMIC	TYPIC XERIC	75	180	97	180				
CAP-SIGLI	XERIC	277	THERMIC	TYPIC XERIC	75	180	97	180				
CAP-TENES	XERIC	224	THERMIC	DRY XERIC	45	179	45	179				
CASTIGLIONE	XERIC	284	THERMIC	TYPIC XERIC	75	180	104	180				
COLIGNY	XERIC	123	THERMIC	TYPIC XERIC	45	180	80	180				
COLLO	XERIC	278	THERMIC	TYPIC XERIC	75	180	112	180				
COLOMB-BECHA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ALGE

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
*DJIDJELLI	USTIC	286	THERMIC	WET TEMPUST.	75	180	119	180				
*DOUALHIA	XERIC	104	THERMIC	DRY XERIC	45	180	59	180				
*DUPERRE	XERIC	235	THERMIC	DRY XERIC	45	180	55	180				
*EL-ANCOR	XERIC	236	THERMIC	DRY XERIC	45	180	56	180				
*EL-KANTARA	ARIDIC	80	THERMIC	WEAK ARIDIC	15	128	15	128				
*EL-MILIA	XERIC	282	THERMIC	TYPIC XERIC	75	180	102	180				
*EL-NOUADEUR	XERIC	148	THERMIC	DRY XERIC	45	180	68	180				
*EL-OUED	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
*ELMA-HACHECH	USTIC	324	THERMIC	WET TEMPUST.	105	180	144	180				
*FORT-NATIONA	XERIC	145	THERMIC	TYPIC XERIC	75	180	109	180				
*GERYVILLE	XERIC	91	THERMIC	DRY XERIC	15	176	15	176				
*GHARDAIA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
*GUELMA	XERIC	283	THERMIC	TYPIC XERIC	75	180	103	180				
*HAFIR	XERIC	137	THERMIC	TYPIC XERIC	75	180	115	180				
*HERBILLION	XERIC	279	THERMIC	TYPIC XERIC	75	180	99	180				
*IGHIL-IMOULA	XERIC	284	THERMIC	TYPIC XERIC	75	180	104	180				
*JEMMAPES	XERIC	279	THERMIC	TYPIC XERIC	75	180	99	180				
*LA-CALLE	XERIC	280	THERMIC	TYPIC XERIC	75	180	100	180				
*LAC-DE-MOUZA	XERIC	107	MESIC	TYPIC XERIC	75	180	119	180				
*LAGHOUAT ALG	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
*MAILLOT	XERIC	242	THERMIC	DRY XERIC	45	180	62	180				
*MAISON-CARRE	XERIC	281	THERMIC	TYPIC XERIC	75	180	101	180				
*MASCARA	XERIC	245	THERMIC	DRY XERIC	45	180	65	180				
*MECHERIA	USTIC	90	THERMIC	TYPIC TEMPUST.	15	152	15	152				
*MEDEA	XERIC	143	THERMIC	TYPIC XERIC	75	180	109	180				
*MENERVILLE	XERIC	280	THERMIC	TYPIC XERIC	75	180	100	180				
*MICHELET	XERIC	145	THERMIC	TYPIC XERIC	75	180	113	180				
*MILIANA	XERIC	168	THERMIC	TYPIC XERIC	75	180	105	180				
*MORRIS	XERIC	283	THERMIC	TYPIC XERIC	75	180	103	180				
*MOSTAGANEM	XERIC	209	THERMIC	DRY XERIC	45	164	45	164				
*NEMOURS	XERIC	227	THERMIC	DRY XERIC	45	180	47	180				
*ORAN	XERIC	230	THERMIC	DRY XERIC	45	180	50	180				
*ORLEANSVILLE	XERIC	222	THERMIC	DRY XERIC	45	177	45	177				
*OUED-MARSA	USTIC	317	THERMIC	WET TEMPUST.	105	180	137	180				
*OUED-SLISSEN	XERIC	116	THERMIC	DRY XERIC	15	180	24	180				
*OUJDA	XERIC	193	THERMIC	DRY XERIC	15	178	15	178				
*OULED-DJELLA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
*PHILIPPEVILL	XERIC	285	THERMIC	TYPIC XERIC	75	180	105	180				
*REIBELL-CHEL	USTIC	102	THERMIC	TYPIC TEMPUST.	15	154	15	154				
*RELIZANE	XERIC	178	THERMIC	DRY XERIC	15	163	15	163				
*ROUIBA	XERIC	280	THERMIC	TYPIC XERIC	75	180	100	180				
*SAIDA	XERIC	146	THERMIC	DRY XERIC	15	179	15	179				
*SAINT-ARNAUD	XERIC	118	THERMIC	DRY XERIC	23	180	38	180				
*SEDRATA	XERIC	132	THERMIC	DRY XERIC	29	180	49	180				
*SETIF	XERIC	126	THERMIC	DRY XERIC	45	180	72	180				

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ALGE

NAME OF STATICN	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM. WINT	CUM.DAYS COMP.MOI. SUM. WINT
SIDI-AISSA	XERIC	102	THERMIC	DRY XERIC	15	158	15	158		
SIDI-BEL-ABB	XERIC	236	THERMIC	DRY XERIC	45	180	56	180		
SOUK-AHRAS	XERIC	146	THERMIC	TYPIC XERIC	45	180	80	180		
STAOUELI	XERIC	280	THERMIC	TYPIC XERIC	75	180	100	180		
TEBESSA	USTIC	93	THERMIC	TYPIC TEMPUST.	0	142	0	142		
TENES	XERIC	273	THERMIC	TYPIC XERIC	75	180	93	180		
TENIET-EL-HA	XERIC	132	THERMIC	TYPIC XERIC	75	180	110	180		
THIERSVILLE	XERIC	241	THERMIC	DRY XERIC	45	180	61	180		
TIARET	XERIC	136	THERMIC	DRY XERIC	45	180	74	180		
TIZI-OUZOU	XERIC	276	THERMIC	TYPIC XERIC	75	180	96	180		
TLEMCEN	XERIC	288	THERMIC	TYPIC XERIC	75	180	108	180		
TOLGGOURT	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
TROIS-MARABO	XERIC	281	THERMIC	TYPIC XERIC	75	180	101	180		
VIALAR	XERIC	125	THERMIC	DRY XERIC	45	180	69	180		

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ANGO

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ALTO CAPACA	25.1	25.3	23.7	ISO HYPERTH.	162	99	99	162	99	99	125	125	63	0	USTIC
CAVACO	25.6	26.5	22.7	ISO HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
CEILUNGA	21.5	21.9	19.6	ISO THERMIC	26	78	256	26	78	256	334	334	0	31	USTIC
CELA	23.6	23.7	22.3	ISO HYPERTH.	8	78	274	8	78	274	352	352	0	19	UDIC
CHIANGA	21.5	21.8	19.9	ISO THERMIC	24	80	256	24	80	256	336	336	0	31	USTIC
CUNENE	25.5	26.6	22.6	ISO HYPERTH.	219	65	76	219	65	76	103	103	42	0	USTIC
DONDO	27.0	26.9	26.7	ISO HYPERTH.	32	65	263	32	65	263	328	328	0	15	USTIC
GANGASSOL	24.2	24.4	23.2	ISO HYPERTH.	52	105	203	52	105	203	308	308	0	8	USTIC
HUAMBO	21.4	21.5	19.8	ISO THERMIC	4	88	268	4	88	268	356	356	0	43	USTIC
HUMPATA	19.8	20.5	17.9	ISO THERMIC	146	89	125	146	89	125	168	168	29	20	USTIC
KUITO	21.1	21.4	19.2	ISO THERMIC	4	91	265	4	91	265	356	356	0	40	USTIC
LOBITO	25.8	26.6	23.0	ISO HYPERTH.	333	27	0	333	27	0	14	14	75	0	ARIDIC
LUANDA ANGOL	26.7	27.7	24.3	ISO HYPERTH.	310	50	0	310	50	0	29	29	75	0	ARIDIC
LUBANGO	21.1	21.2	19.6	ISO THERMIC	25	76	259	25	76	259	335	335	0	34	USTIC
MALANGE	24.3	24.6	23.1	ISO HYPERTH.	34	75	251	34	75	251	326	326	0	26	USTIC
MAVINGA	23.1	24.4	19.4	ISO HYPERTH.	60	90	210	60	90	210	300	300	0	15	USTIC
MENONGUE	22.4	23.3	19.0	ISO HYPERTH.	46	81	233	46	81	233	314	314	0	38	USTIC
MOCAMEDES	22.9	24.0	20.1	ISO HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
NDALATANDO	25.7	25.7	26.2	ISO HYPERTH.	61	59	240	61	59	240	299	299	0	15	USTIC
PORTO AMBOIM	26.7	27.5	24.1	ISO HYPERTH.	278	44	38	278	44	38	82	82	75	0	ARIDIC
SACAALA	21.4	21.7	20.0	ISO THERMIC	25	47	288	25	47	288	335	335	0	33	UDIC
SAURIMO	25.0	25.1	24.1	ISO HYPERTH.	41	91	228	41	91	228	305	305	0	3	USTIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ANGO

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>6	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ALTO CAPACA	USTIC	125	ISO HYPERTH.	ARIDIC TROPUST.	105	28	117	81				
CAVACO	ARIDIC	0	ISO HYPERTH.	EXTREME ARIDIC	0	0	0	0				
CEILUNGA	USTIC	334	ISO THERMIC	UDIC TROPUST.	180	79	180	154				
CELA	UDIC	352	ISO HYPERTH.	DRY TROPUDIC	180	105	180	172				
CHIANGA	USTIC	336	ISO THERMIC	UDIC TROPUST.	180	81	180	156				
CUNENE	USTIC	103	ISO HYPERTH.	ARIDIC TROPUST.	103	11	121	20				
DONDO	USTIC	328	ISO HYPERTH.	UDIC TROPUST.	180	105	180	148				
GANGASSOL	USTIC	308	ISO HYPERTH.	UDIC TROPUST.	180	75	180	128				
HUAMBO	USTIC	356	ISO THERMIC	UDIC TROPUST.	180	101	180	176				
HUMPATA	USTIC	168	ISO THERMIC	ARIDIC TROPUST.	105	63	136	78				
KUITO	USTIC	356	ISO THERMIC	UDIC TROPUST.	180	101	180	176				
LOBITO	ARIDIC	14	ISO HYPERTH.	TYPIC ARIDIC	14	0	27	0				
LUANDA ANGOL	ARIDIC	29	ISO HYPERTH.	TYPIC ARIDIC	29	0	50	0				
LUBANGO	USTIC	335	ISO THERMIC	UDIC TROPUST.	180	80	180	155				
MALANGE	USTIC	326	ISO HYPERTH.	UDIC TROPUST.	180	75	180	146				
MAVINGA	USTIC	300	ISO HYPERTH.	UDIC TROPUST.	180	75	180	120				
MENONGUE	USTIC	314	ISO HYPERTH.	UDIC TROPUST.	180	89	180	134				
MOCAMEDES	ARIDIC	0	ISO HYPERTH.	EXTREME ARIDIC	0	0	0	0				
NDALATANDO	USTIC	299	ISO HYPERTH.	UDIC TROPUST.	180	75	180	119				
PORTO AMBOIM	ARIDIC	82	ISO HYPERTH.	WEAK ARIDIC	82	0	82	0				
SACAALA	UDIC	335	ISO THERMIC	DRY TROPUDIC	180	80	180	155				
SAURIMO	USTIC	305	ISO HYPERTH.	UDIC TROPUST.	180	75	180	139				

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ANGOLA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR BENI

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BOHICAN	29.8	27.4	31.6	ISO HYPERTH.	110	60	190	110	60	190	233	233	0	0	USTIC
BOHICON %DAH	29.8	27.7	31.1	ISO HYPERTH.	110	60	190	110	60	190	233	233	0	0	USTIC
COTONOU	30.1	28.3	31.1	ISO HYPERTH.	106	87	167	106	87	167	237	237	0	0	USTIC
KANDI	29.8	28.6	28.3	ISO HYPERTH.	165	75	120	165	75	120	180	180	0	0	USTIC
KANDI %DAHO	30.0	28.8	28.4	ISO HYPERTH.	170	72	118	170	72	118	177	177	0	0	USTIC
NATITINGOU %	29.2	27.1	30.1	ISO HYPERTH.	119	69	172	119	69	172	229	229	0	0	USTIC
PARAKOU	28.7	27.0	29.8	ISO HYPERTH.	120	42	198	120	42	198	225	225	0	0	USTIC
SAVE %DAHOME	29.7	27.4	31.3	ISO HYPERTH.	106	87	167	106	87	167	218	218	0	0	USTIC
SAVE.DAHOMEY	29.5	27.2	31.1	ISO HYPERTH.	106	87	167	106	87	167	218	218	0	0	USTIC
TCHAOUROU	28.9	27.1	29.8	ISO HYPERTH.	116	75	169	116	75	169	228	228	0	0	USTIC
TCHAOUROU %D	29.1	27.1	29.9	ISO HYPERTH.	103	87	170	103	87	170	228	228	0	0	USTIC

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BENIN

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR BENI

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM. WINT	CUM.DAYS COMP.MOI. SUM. WINT
BOHICAN	USTIC	233	ISO HYPERTH.	TYPIC TROPUST.	158	75	158	92		
BOHICON %DAH	USTIC	233	ISO HYPERTH.	TYPIC TROPUST.	158	75	158	92		
COTONOU	USTIC	237	ISO HYPERTH.	TYPIC TROPUST.	162	75	162	92		
KANDI	USTIC	180	ISO HYPERTH.	TYPIC TROPUST.	165	15	165	30		
KANDI %DAHOM	USTIC	177	ISO HYPERTH.	ARIDIC TROPUST.	162	15	162	28		
NATITINGOU %	USTIC	229	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	61		
PARAKOU	USTIC	225	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	60		
SAVE %DAHOME	USTIC	218	ISO HYPERTH.	TYPIC TROPUST.	173	45	173	81		
SAVE.DAHOMEY	USTIC	218	ISO HYPERTH.	TYPIC TROPUST.	173	45	173	81		
TCHACOROU	USTIC	228	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	64		
TCHACOROU %D	USTIC	228	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	77		

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR BOTZ

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN YEAR IS ONE DRY	M/D	MOI	CUMULATIVE DAYS MSC WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
FRANCISTOWN	23.3	25.3	19.1	HYPERTH.	258	102	0	258	102	0	29	29	24	0	ARIDIC
GABORONES	22.2	25.3	17.5	HYPERTH.	233	127	0	233	127	0	49	49	10	0	ARIDIC
GHANZI	23.2	25.7	18.8	HYPERTH.	249	111	0	249	111	0	46	46	15	0	ARIDIC
KALAMARI	22.0	15.1	26.9	THERMIC	231	129	0	231	129	0	84	84	120	0	ARIDIC
KANYE	21.4	14.0	27.4	THERMIC	176	184	0	176	184	0	163	163	120	0	USTIC
LOBATSI	20.9	12.0	28.3	THERMIC	135	225	0	135	225	0	196	196	119	0	USTIC
MAHALAPYE	23.0	25.7	18.5	HYPERTH.	272	88	0	272	88	0	23	23	22	0	ARIDIC
MAUN BOTZWAN	24.4	25.4	20.4	ISO HYPERTH.	242	118	0	242	118	0	101	101	13	0	USTIC
MOCHUDI	22.7	14.0	29.5	HYPERTH.	253	107	0	253	107	0	27	27	120	0	ARIDIC
MOLEPOLOLE	22.2	14.0	28.8	HYPERTH.	234	126	0	234	126	0	53	53	120	0	ARIDIC
PALAPYE-ROAD	22.7	14.4	29.3	HYPERTH.	256	104	0	256	104	0	26	26	120	0	ARIDIC
SELIKA	23.6	15.1	30.3	HYPERTH.	295	65	0	295	65	0	22	22	120	0	ARIDIC
SEROWE	21.9	14.3	27.7	THERMIC	218	142	0	218	142	0	127	127	120	0	USTIC
TSABONG	22.2	26.2	17.3	HYPERTH.	354	6	0	354	6	0	6	6	99	0	ARIDIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR BOTZ

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
FRANCISTOWN	ARIDIC	29	HYPERTH.	TYPIC ARIDIC	29	15	77	25				
GABORONES	ARIDIC	49	HYPERTH.	WEAK ARIDIC	49	15	99	28				
GHANZI	ARIDIC	46	HYPERTH.	WEAK ARIDIC	46	12	99	12				
KALAMARI	ARIDIC	84	THERMIC	WEAK ARIDIC	17	84	32	97				
KANYE	USTIC	163	THERMIC	TYPIC TEMPUST.	21	148	36	148				
LOBATSI	USTIC	196	THERMIC	TYPIC TEMPUST.	29	180	45	180				
MAHALAPYE	ARIDIC	23	HYPERTH.	TYPIC ARIDIC	23	14	61	27				
MAUN BOTZWAN	USTIC	101	ISO HYPERTH.	ARIDIC TROPUST.	101	15	103	15				
MOCHUDI	ARIDIC	27	HYPERTH.	TYPIC ARIDIC	15	27	29	78				
MOLEPOLOLE	ARIDIC	53	HYPERTH.	WEAK ARIDIC	18	53	33	93				
PALAPYE-ROAD	ARIDIC	26	HYPERTH.	TYPIC ARIDIC	15	26	28	76				
SELIKA	ARIDIC	22	HYPERTH.	TYPIC ARIDIC	13	22	13	52				
SEROWE	USTIC	127	THERMIC	TYPIC TEMPUST.	15	112	30	112				
TSABONG	ARIDIC	6	HYPERTH.	TYPIC ARIDIC	6	0	6	0				

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BOTSWANA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR BURU

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPEPATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BUJUMBURA BU	25.7	25.6	25.3	ISO HYPERTH.	88	134	138	88	134	138	258	258	0	3	USTIC
BUSIGA	21.1	21.2	21.4	ISO THERMIC	0	17	343	0	17	343	360	360	0	58	UDIC
KARUZI	21.1	20.8	21.3	ISO THERMIC	0	95	265	0	95	265	360	360	0	40	USTIC
KATARA	21.4	21.6	21.1	ISO THERMIC	0	15	345	0	15	345	360	360	0	60	UDIC
KISOZI	16.9	17.1	16.1	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
LUVIRONZA	19.0	19.1	18.1	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
MPARAMBO	25.5	25.4	25.4	ISO HYPERTH.	46	160	154	46	160	154	280	280	0	19	USTIC
MUHINGA	21.0	20.8	21.3	ISO THERMIC	0	95	265	0	95	265	360	360	0	40	USTIC
MUSASA	22.9	22.6	22.2	ISO HYPERTH.	16	111	233	16	111	233	319	319	0	38	USTIC
MUYINGA37ANS	21.0	20.8	21.3	ISO THERMIC	0	63	297	0	63	297	360	360	0	42	UDIC

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BURUNDI

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR BURU

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
BUJUMBURA BU	USTIC	258	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	92				
BUSIGA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	105	180	163
KARUZI	USTIC	360	ISO THERMIC	UDIC TROPUST.					180	45	180	85
KATARA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	105	180	165
KISOZI	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
LUVIRONZA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
MPARAMBO	USTIC	280	ISO HYPERTH.	UDIC TROPUST.	180	55	180	134				
MUHINGA	USTIC	360	ISO THERMIC	UDIC TROPUST.					180	45	180	85
MUSASA	USTIC	319	ISO HYPERTH.	UDIC TROPUST.	180	94	180	164				
MUYINGA37ANS	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	75	180	117

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BURUNDI

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR CAME

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MOI IN ONE YEAR DRY	M/D	MOI	MOI WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX. CONSECUTIVE DAYS THAT MOI IS IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ABONG-MBANG	25.8	25.0	25.7	ISO HYPERTH.	0	17	343	0	17	343	360	360	0	45	UDIC
ABONGMB65.74	26.0	25.5	25.7	ISO HYPERTH.	0	8	352	0	8	352	360	360	0	45	UDIC
AISSA-CARDE	30.5	29.3	28.8	ISO HYPERTH.	206	53	101	206	53	101	124	124	6	0	USTIC
AKONDL165.74	26.8	25.9	27.3	ISO HYPERTH.	1	84	275	1	84	275	359	359	0	20	UDIC
AMBAM 73.74	26.8	25.7	27.3	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
AYOS	26.5	25.6	27.1	ISO HYPERTH.	4	78	278	4	78	278	356	356	0	23	UDIC
BABADJOU	20.9	19.4	22.3	ISO THERMIC	0	34	326	0	34	326	360	360	0	45	UDIC
BABRINGO	24.3	24.1	23.5	ISO HYPERTH.	0	47	313	0	47	313	360	360	0	45	UDIC
BAFIA 65.74	27.7	26.6	28.5	ISO HYPERTH.	41	61	258	41	61	258	319	319	0	15	USTIC
BAFOUSSAM	22.6	21.5	23.6	ISO HYPERTH.	0	43	317	0	43	317	360	360	0	45	UDIC
BAFUT	23.1	22.3	23.4	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
BAIBOKOUM	27.7	27.2	25.9	ISO HYPERTH.	99	82	179	99	82	179	250	250	0	0	USTIC
BALI-COUNCIL	21.7	20.9	22.0	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
BAMBUI-FARM	22.3	20.7	23.3	ISO HYPERTH.	0	38	322	0	38	322	360	360	0	45	UDIC
BAMENDA-HOSP	22.0	20.9	22.6	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
BAMENDA-METE	21.5	20.4	22.1	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
BAMENDA65.74	22.0	20.6	23.0	ISO THERMIC	0	41	319	0	41	319	360	360	0	45	UDIC
BANA	23.3	21.8	24.4	ISO HYPERTH.	15	106	239	15	106	239	326	326	0	14	USTIC
BANGANGTE	22.0	21.9	23.8	ISO HYPERTH.	0	46	314	0	46	314	360	360	0	45	UDIC
BANSOA	22.3	21.2	23.3	ISO HYPERTH.	0	38	322	0	38	322	360	360	0	45	UDIC
BANYO 65.74	25.2	24.1	25.8	ISO HYPERTH.	35	67	258	35	67	258	325	325	0	15	USTIC
BAROMBI-KANG	28.3	27.0	29.2	ISO HYPERTH.	22	45	293	22	45	293	329	329	0	45	UDIC
BATIBO	23.7	22.3	24.4	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
BATOURI-AVIA	26.3	25.5	26.3	ISO HYPERTH.	0	40	320	0	40	320	360	360	0	45	UDIC
BATOURI-VILL	26.3	25.5	26.3	ISO HYPERTH.	0	70	290	0	70	290	360	360	0	35	UDIC
BATOURI65.74	26.6	25.9	26.6	ISO HYPERTH.	4	102	254	4	102	254	356	356	0	29	USTIC
BATSCHENGA	27.2	26.0	27.7	ISO HYPERTH.	15	78	267	15	78	267	345	345	0	15	USTIC
BEFANG	26.8	26.0	27.1	ISO HYPERTH.	0	53	307	0	53	307	360	360	0	45	UDIC
BELO	16.7	16.1	17.0	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
BERTARE65.74	26.0	24.9	26.7	ISO HYPERTH.	32	91	237	32	91	237	308	308	0	12	USTIC
BERTOUA	26.2	25.5	26.0	ISO HYPERTH.	0	29	331	0	29	331	360	360	0	45	UDIC
BERTOUA65.74	26.3	25.7	26.1	ISO HYPERTH.	0	45	315	0	45	315	360	360	0	45	UDIC
BETARE-OYA	26.0	24.7	26.5	ISO HYPERTH.	35	91	234	35	91	234	310	310	0	9	USTIC
BIMBIA	28.8	27.4	29.7	ISO HYPERTH.	7	81	272	7	81	272	353	353	0	15	UDIC
BOA	28.2	26.8	29.2	ISO HYPERTH.	10	53	297	10	53	297	350	350	0	45	UDIC
BOMBI	26.2	25.5	26.0	ISO HYPERTH.	5	105	250	5	105	250	355	355	0	25	USTIC
BONABERI-GAR	28.9	27.3	30.1	ISO HYPERTH.	9	49	302	9	49	302	351	351	0	45	UDIC
BOTA-C-D-C	28.4	27.0	29.4	ISO HYPERTH.	25	45	290	25	45	290	322	322	0	45	UDIC
BOURHA	28.5	26.9	27.2	ISO HYPERTH.	142	86	132	142	86	132	197	197	0	0	USTIC
BU	22.7	21.6	23.3	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
BUEA-FARM	22.7	21.4	23.3	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
BUM	23.5	22.4	24.1	ISO HYPERTH.	0	16	344	0	16	344	360	360	0	59	UDIC
BUSSUMBL	28.1	26.7	29.1	ISO HYPERTH.	50	84	226	50	84	226	288	288	0	0	USTIC
CAMPO	28.3	26.9	29.4	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
DEBUNDSCHA	28.3	26.9	29.3	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	PERUDIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR CAME

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
DIZANGUE	29.3	27.4	30.6	ISO HYPERTH.	22	46	292	22	46	292	326	326	0	45	UDIC
DJOUM	26.2	25.2	26.7	ISO HYPERTH.	0	10	350	0	10	350	360	360	0	65	UDIC
DOUALA 65.74	29.0	27.4	30.2	ISO HYPERTH.	24	48	288	24	48	288	322	322	0	45	UDIC
DOUKOULA	30.6	29.0	29.3	ISO HYPERTH.	189	63	108	189	63	108	161	161	0	0	USTIC
DOUME	26.0	25.2	25.9	ISO HYPERTH.	0	45	315	0	45	315	360	360	0	45	UDIC
DSCHANG	23.3	21.8	24.4	ISO HYPERTH.	0	43	317	0	43	317	360	360	0	45	UDIC
DSCHANG66.74	23.3	21.8	24.4	ISO HYPERTH.	0	51	309	0	51	309	360	360	0	45	UDIC
EBOLOWA65.74	26.5	25.4	27.3	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
EDEA 65.74	29.1	27.5	30.4	ISO HYPERTH.	46	58	256	46	58	256	314	314	0	15	USTIC
EKONA-C-D-C	26.1	24.8	26.7	ISO HYPERTH.	0	62	298	0	62	298	360	360	0	45	UDIC
EKONA-RES	26.1	24.8	26.7	ISO HYPERTH.	12	79	269	12	79	269	348	348	0	15	USTIC
ESEKA 65.74	27.9	26.2	29.3	ISO HYPERTH.	33	33	294	33	33	294	327	327	0	45	UDIC
ESSOSONG	24.8	23.2	25.8	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
EVODOULA	26.8	25.6	27.7	ISO HYPERTH.	20	72	268	20	72	268	340	340	0	15	USTIC
FIGNOLE	28.7	28.2	26.9	ISO HYPERTH.	111	83	166	111	83	166	234	234	0	0	USTIC
FONFUKA	24.1	23.5	24.4	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
FOUMBAN	24.0	23.8	23.8	ISO HYPERTH.	0	76	284	0	76	284	360	360	0	29	UDIC
FOUMBOT-C-G	24.1	23.0	25.1	ISO HYPERTH.	0	81	279	0	81	279	360	360	0	24	UDIC
GANGE	30.5	29.3	28.8	ISO HYPERTH.	232	31	97	232	31	97	113	113	15	0	USTIC
GAROUA 65.74	30.6	29.3	29.5	ISO HYPERTH.	171	41	148	171	41	148	173	173	0	0	USTIC
GAROUA-METEO	30.5	29.2	29.6	ISO HYPERTH.	152	55	153	152	55	153	208	208	0	0	USTIC
GAROUA-VILLE	30.7	29.4	29.8	ISO HYPERTH.	161	49	150	161	49	150	174	174	0	0	USTIC
GODE	28.6	28.1	26.8	ISO HYPERTH.	104	52	204	104	52	204	244	244	0	0	USTIC
GODOLA	30.2	29.0	28.5	ISO HYPERTH.	199	54	107	199	54	107	161	161	0	0	USTIC
GOLOMPOUI	30.9	29.6	30.0	ISO HYPERTH.	192	29	139	192	29	139	162	162	0	0	USTIC
GUETALE	29.9	28.7	28.2	ISO HYPERTH.	182	67	111	182	67	111	166	166	0	0	USTIC
GUIDER	30.8	29.5	29.9	ISO HYPERTH.	171	72	117	171	72	117	171	171	0	0	USTIC
HINA	29.7	28.4	28.8	ISO HYPERTH.	171	71	118	171	71	118	175	175	0	0	USTIC
IDENAU	28.3	25.9	29.3	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
ISONGO	28.2	26.8	29.2	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	PERUDIC
KAELE 65.74	30.8	29.4	29.4	ISO HYPERTH.	200	83	77	200	83	77	131	131	10	0	USTIC
KENTZOU	26.5	25.7	26.5	ISO HYPERTH.	0	56	304	0	56	304	360	360	0	32	UDIC
KOM	20.3	19.2	20.9	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
KOMPINA	28.6	27.4	29.5	ISO HYPERTH.	48	89	223	48	89	223	312	312	0	0	USTIC
KOUNDEN	23.4	22.1	24.5	ISO HYPERTH.	0	76	284	0	76	284	360	360	0	29	UDIC
KOUNDJA65.74	24.0	22.9	24.9	ISO HYPERTH.	14	74	272	14	74	272	346	346	0	17	UDIC
KOUSSERI	30.8	29.6	29.1	ISO HYPERTH.	249	53	58	249	53	58	103	103	15	0	USTIC
KRATER	28.3	26.9	29.3	ISO HYPERTH.	26	74	260	26	74	260	325	325	0	15	USTIC
KRIBI 65.74	28.8	27.4	29.9	ISO HYPERTH.	0	4	356	0	4	356	360	360	0	71	UDIC
KUMBA	27.6	26.3	28.5	ISO HYPERTH.	0	65	295	0	65	295	360	360	0	45	UDIC
KUMBO	21.4	19.7	22.8	ISO THERMIC	0	40	320	0	40	320	360	360	0	45	UDIC
KUMFUTU	22.1	21.5	22.4	ISO HYPERTH.	0	11	349	0	11	349	360	360	0	64	UDIC
LAM	30.2	28.6	28.9	ISO HYPERTH.	181	65	114	181	65	114	168	168	0	0	USTIC
LARA	30.3	28.7	29.0	ISO HYPERTH.	182	65	113	182	65	113	166	166	0	0	USTIC
LIMBE	28.2	26.8	29.2	ISO HYPERTH.	21	80	259	21	80	259	329	329	0	15	USTIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR CAME

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
LINKSFLOSS	28.2	26.8	29.2	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
LOLODORF	26.8	25.2	28.5	ISO HYPERTH.	0	19	341	0	19	341	360	360	0	45	UDIC
LOMIE 65.74	26.0	25.7	25.8	ISO HYPERTH.	0	20	340	0	20	340	360	360	0	45	UDIC
LOJM-CHANTIE	27.9	26.3	28.9	ISO HYPERTH.	11	56	293	11	56	293	349	349	0	45	UDIC
LUS	24.8	23.2	25.5	ISO HYPERTH.	22	99	239	22	99	239	338	338	0	14	USTIC
MABETA-BEACH	28.4	27.0	29.4	ISO HYPERTH.	18	79	263	18	79	263	327	327	0	15	USTIC
MADA	29.9	28.7	28.2	ISO HYPERTH.	181	66	113	181	66	113	168	168	0	0	USTIC
MAKAK	26.0	24.8	26.9	ISO HYPERTH.	0	29	331	0	29	331	360	360	0	45	UDIC
MAMFE	28.6	27.7	28.4	ISO HYPERTH.	0	54	306	0	54	306	360	360	0	45	UDIC
MANGA-EBOKC	26.8	25.6	27.3	ISO HYPERTH.	8	77	275	8	77	275	352	352	0	20	UDIC
MANKIM	26.9	25.7	27.4	ISO HYPERTH.	21	70	269	21	70	269	339	339	0	15	USTIC
MANTOUM	26.8	24.9	28.6	ISO HYPERTH.	41	58	261	41	58	261	319	319	0	15	USTIC
MAROUAS 65.74	30.2	29.3	28.4	ISO HYPERTH.	191	62	107	191	62	107	162	162	0	0	USTIC
MAYO-DARLE	25.6	23.8	27.1	ISO HYPERTH.	19	73	268	19	73	268	341	341	0	15	USTIC
MBALMAYO-E-E	26.4	25.1	27.4	ISO HYPERTH.	0	43	317	0	43	317	360	360	0	45	UDIC
MBANDE	26.2	25.1	26.8	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MBANGA	26.2	24.9	26.8	ISO HYPERTH.	0	52	308	0	52	308	360	360	0	45	UDIC
MBEM	20.5	19.9	20.7	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
MBENGWI	21.0	19.5	22.4	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
MBETTA	26.6	25.0	27.6	ISO HYPERTH.	0	21	339	0	21	339	360	360	0	45	UDIC
MBINGO	21.6	20.5	22.2	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
MBOUKOUROU	26.3	24.7	27.3	ISO HYPERTH.	0	58	302	0	58	302	360	360	0	45	UDIC
MOIAN-ESTATE	27.9	26.5	28.9	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MEANJA	27.9	26.6	28.5	ISO HYPERTH.	50	84	226	50	84	226	290	290	0	0	USTIC
MEIGANG 65.74	25.4	24.5	25.9	ISO HYPERTH.	48	85	227	48	85	227	295	295	0	2	USTIC
MINDOURGU	25.6	24.8	25.5	ISO HYPERTH.	0	54	306	0	54	306	360	360	0	36	UDIC
MISSELLELE	28.3	26.9	29.3	ISO HYPERTH.	48	58	254	48	58	254	312	312	0	15	USTIC
MISSONG	24.4	23.8	24.7	ISO HYPERTH.	0	17	343	0	17	343	360	360	0	75	UDIC
MKONGSAMBA	24.8	23.2	25.8	ISO HYPERTH.	21	43	296	21	43	296	339	339	0	26	UDIC
MOKOLO	28.5	27.3	26.8	ISO HYPERTH.	161	77	122	161	77	122	184	184	0	0	USTIC
MOLIKO	25.3	24.0	25.9	ISO HYPERTH.	0	49	311	0	49	311	360	360	0	45	UDIC
MOLIWE-PALMS	27.6	26.4	28.5	ISO HYPERTH.	24	77	259	24	77	259	324	324	0	15	USTIC
MONT-COUPE	25.3	23.8	25.9	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MORA	29.8	28.6	28.1	ISO HYPERTH.	203	50	107	203	50	107	132	132	12	0	USTIC
MOUANKO	29.5	27.6	30.8	ISO HYPERTH.	24	44	292	24	44	292	327	327	0	45	UDIC
MPUNDU	28.1	26.8	28.7	ISO HYPERTH.	60	77	223	60	77	223	283	283	0	0	USTIC
MUKUNDANGE	28.2	26.8	29.2	ISO HYPERTH.	0	22	338	0	22	338	360	360	0	75	UDIC
MUSSAKA	28.1	26.8	28.7	ISO HYPERTH.	47	60	253	47	60	253	313	313	0	15	USTIC
NACHTIGAL	27.9	26.6	28.8	ISO HYPERTH.	34	63	263	34	63	263	326	326	0	15	USTIC
NANGA 65.74	26.9	25.9	27.5	ISO HYPERTH.	21	67	272	21	67	272	339	339	0	17	UDIC
NDOP	21.1	19.6	22.5	ISO THERMIC	0	46	314	0	46	314	360	360	0	45	UDIC
NGAMBE	26.4	24.1	28.1	ISO HYPERTH.	15	48	297	15	48	297	345	345	0	45	UDIC
NGAMBE 65.74	26.4	24.5	27.9	ISO HYPERTH.	20	74	266	20	74	266	340	340	0	15	USTIC
NGAOUND 65.74	24.5	24.0	23.9	ISO HYPERTH.	61	74	225	61	74	225	299	299	0	0	USTIC
NGOULEMAKONG	26.0	24.6	27.0	ISO HYPERTH.	0	23	337	0	23	337	360	360	0	45	UDIC

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FOR CAME

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN YEAR IS ONE DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
NGUELEBOCK	26.5	25.7	26.5	ISO HYPERTH.	0	47	313	0	47	313	360	360	0	45	UDIC
NJINIKOM	22.4	21.3	23.0	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
NKAMBE	21.1	20.0	21.8	ISO THERMIC	0	33	327	0	33	327	360	360	0	45	UDIC
NKOEMVONE	26.8	25.4	27.8	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
NKOLAFAMBA	26.2	25.0	27.1	ISO HYPERTH.	0	51	309	0	51	309	360	360	0	45	UDIC
NKOLBISSON	26.1	24.9	27.0	ISO HYPERTH.	0	50	310	0	50	310	360	360	0	45	UDIC
NKONDJOCK	27.1	25.5	28.1	ISO HYPERTH.	18	46	296	18	46	296	342	342	0	45	UDIC
NKONGSA65.74	25.3	24.2	26.0	ISO HYPERTH.	0	61	299	0	61	299	360	360	0	45	UDIC
NTEM	24.3	24.0	24.0	ISO HYPERTH.	0	20	340	0	20	340	360	360	0	55	UDIC
NTUI	27.4	26.2	28.3	ISO HYPERTH.	37	64	259	37	64	259	323	323	0	15	USTIC
NYABESSAN	28.1	26.7	28.9	ISO HYPERTH.	0	53	307	0	53	307	360	360	0	45	UDIC
NYOMBE	28.4	26.5	29.4	ISO HYPERTH.	26	48	286	26	48	286	319	319	0	45	UDIC
OBALA	27.5	26.2	28.4	ISO HYPERTH.	11	82	267	11	82	267	349	349	0	15	USTIC
PENJA	23.7	23.2	23.8	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
POLI 65.74	28.2	27.7	26.4	ISO HYPERTH.	95	60	205	95	60	205	246	246	0	0	USTIC
POUSS	30.9	29.6	30.0	ISO HYPERTH.	196	60	104	196	60	104	157	157	0	0	USTIC
POWO	26.9	25.6	27.5	ISO HYPERTH.	32	96	232	32	96	232	299	299	0	7	USTIC
REY-BOUBA	30.6	29.3	29.7	ISO HYPERTH.	149	53	158	149	53	158	184	184	0	0	USTIC
RIO-DEL-REY	28.4	27.0	29.4	ISO HYPERTH.	0	8	352	0	8	352	360	360	0	75	UDIC
SAA	27.3	26.0	28.2	ISO HYPERTH.	33	64	263	33	64	263	327	327	0	15	USTIC
SAFAY-DJELEP	29.2	28.7	27.4	ISO HYPERTH.	109	87	164	109	87	164	230	230	0	0	USTIC
SANGMELIMA	26.0	25.0	26.5	ISO HYPERTH.	0	5	355	0	5	355	360	360	0	70	UDIC
SANGMEL65.74	26.0	25.3	26.2	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
SANTA-AGRIC	21.8	20.3	23.2	ISO THERMIC	0	11	349	0	11	349	360	360	0	75	UDIC
SANTA-COFFEE	20.7	19.2	22.1	ISO THERMIC	0	33	327	0	33	327	360	360	0	45	UDIC
SIR	27.9	26.6	27.0	ISO HYPERTH.	134	62	164	134	62	164	201	201	0	0	USTIC
TABENKEN	17.1	16.5	17.4	ISO THERMIC	0	16	344	0	16	344	360	360	0	59	UDIC
TCHOLLIRE	28.3	27.8	26.5	ISO HYPERTH.	108	81	171	108	81	171	240	240	0	0	USTIC
TIBATI 65.74	26.3	25.5	26.3	ISO HYPERTH.	60	79	221	60	79	221	286	286	0	0	USTIC
TIGNERE	24.4	23.6	24.1	ISO HYPERTH.	55	74	231	55	74	231	305	305	0	6	USTIC
TIKO 65.74	28.6	27.2	29.5	ISO HYPERTH.	46	66	248	46	66	248	306	306	0	15	USTIC
TOLE-TEA	25.0	23.7	25.6	ISO HYPERTH.	0	44	316	0	44	316	360	360	0	45	UDIC
TOMBEL	26.6	25.1	27.4	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
TOUBORO	27.6	27.1	25.8	ISO HYPERTH.	97	85	178	97	85	178	250	250	0	0	USTIC
VICTORIA	28.3	26.9	29.3	ISO HYPERTH.	14	83	263	14	83	263	346	346	0	15	USTIC
WAKWA	24.7	23.9	24.4	ISO HYPERTH.	62	40	258	62	40	258	298	298	0	15	USTIC
WEH	24.5	23.7	24.8	ISO HYPERTH.	0	36	324	0	36	324	360	360	0	45	UDIC
WUM-CATHOLIC	23.9	23.1	24.2	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
YABASSI	26.4	24.1	28.1	ISO HYPERTH.	0	52	308	0	52	308	360	360	0	45	UDIC
YAGOUA	30.9	29.6	30.0	ISO HYPERTH.	194	61	105	194	61	105	159	159	0	0	USTIC
YAKIRI	20.1	19.9	20.2	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
YAOUNDE65.74	26.1	25.0	27.1	ISO HYPERTH.	0	52	308	0	52	308	360	360	0	45	UDIC
YOKADOUMA	26.7	26.0	26.6	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
YOKADOU65.74	26.9	26.6	26.6	ISO HYPERTH.	0	46	314	0	46	314	360	360	0	45	UDIC
YOKO 65.74	25.2	23.4	26.9	ISO HYPERTH.	37	89	234	37	89	234	298	298	0	9	USTIC

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NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ABCNG-MEANG	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	163
ABCNGMB65.74	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	172
AISSA-CARDE	USTIC	124	ISO HYPERTH.	ARIDIC TROPUST.	124	15	133	21				
AKONCLI65.74	UDIC	359	ISO HYPERTH.	DRY TROPUDIC	180	105	180	179				
AMBAM 73.74	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
AYOS	UDIC	356	ISO HYPERTH.	DRY TROPUDIC	180	105	180	176				
BABADJOU	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	105	180	146
BABRINGC	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	133
BAFIA 65.74	USTIC	319	ISO HYPERTH.	UDIC TROPUST.	180	105	180	139				
BAFOUSSAM	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	137
BAFUT	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
BAIBOKOUM	USTIC	250	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	81				
BALI-COUNCIL	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
BAMBUI-FARM	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	142
BAMENDA-HOSP	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
BAMENDA-METE	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
BAMENDA65.74	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	105	180	139
BANA	USTIC	326	ISO HYPERTH.	UDIC TROPUST.	180	75	180	165				
BANGANGTE	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	134
BANSOA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	142
BANYO 65.74	USTIC	325	ISO HYPERTH.	UDIC TROPUST.	180	105	180	145				
BAROMBI-KANG	UDIC	329	ISO HYPERTH.	DRY TROPUDIC	180	105	180	158				
BATIBO	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
BATOURI-AVIA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	140
BATOURI-VILL	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	110
BATOURI65.74	USTIC	356	ISO HYPERTH.	UDIC TROPUST.	180	105	180	176				
BATSCHENGA	USTIC	345	ISO HYPERTH.	UDIC TROPUST.	180	105	180	165				
BEFANG	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	127
BELO	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
BERTARE65.74	USTIC	308	ISO HYPERTH.	UDIC TROPUST.	180	75	180	148				
BERTOUA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	151
BERTOUA65.74	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	135
BETARE-OYA	USTIC	310	ISO HYPERTH.	UDIC TROPUST.	180	75	180	145				
BIMBIA	UDIC	353	ISO HYPERTH.	DRY TROPUDIC	180	105	180	173				
BOA	UDIC	350	ISO HYPERTH.	DRY TROPUDIC	180	105	180	170				
BOMBI	USTIC	355	ISO HYPERTH.	UDIC TROPUST.	180	100	180	175				
BONABERI-GAR	UDIC	351	ISO HYPERTH.	DRY TROPUDIC	180	105	180	171				
BOTA-C-D-C	UDIC	322	ISO HYPERTH.	DRY TROPUDIC	180	105	180	155				
BOURHA	USTIC	197	ISO HYPERTH.	TYPIC TROPUST.	180	15	180	38				
BU	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
BUEA-FARM	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
BUM	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	164
BUSSUMBU	USTIC	288	ISO HYPERTH.	UDIC TROPUST.	180	75	180	130				
CAMPO	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
DEBUNDSCHA	PERUDIC	360	ISO HYPERTH.	PERUDIC					180	180	180	180

COMPUTED BY FORTRAN PROGRAM VWC8, APR 1981

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR CAME

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
DIZANGUE	UDIC	326	ISC HYPERTH.	DRY TROPUDIC	180	105	180	158				
DJOUM	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	170
DOUALA 65.74	UDIC	322	ISO HYPERTH.	DRY TROPUDIC	180	105	180	156				
DOUKOULA	USTIC	161	ISO HYPERTH.	ARIDIC TROPUST.	146	15	146	25				
DOUME	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	135
DSCHANG	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	137
DSCHANG66.74	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	129
EBCLOWA65.74	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
EDEA 65.74	USTIC	314	ISO HYPERTH.	UDIC TROPUST.	180	105	180	134				
EKONA-C-D-C	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	118
EKONA-RES	USTIC	348	ISO HYPERTH.	UDIC TROPUST.	180	105	180	168				
ESEKA 65.74	UDIC	327	ISO HYPERTH.	DRY TROPUDIC	180	105	180	147				
ESSOSONG	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
EVODOULA	USTIC	340	ISO HYPERTH.	UDIC TROPUST.	180	105	180	160				
FIGNOLE	USTIC	234	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	69				
FONFUKA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
FOUMBAN	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	104
FOUMBOT-C-C	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	99
GANCE	USTIC	113	ISO HYPERTH.	ARIDIC TROPUST.	113	15	113	15				
GAROUA 65.74	USTIC	173	ISO HYPERTH.	ARIDIC TROPUST.	158	16	158	31				
GAROUA-METEO	USTIC	208	ISO HYPERTH.	TYPIC TROPUST.	163	45	163	45				
GAROUA-VILLE	USTIC	174	ISO HYPERTH.	ARIDIC TROPUST.	159	25	159	40				
GODE	USTIC	244	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	76				
GODOLA	USTIC	161	ISO HYPERTH.	ARIDIC TROPUST.	146	15	146	15				
GOLOMPOUI	USTIC	162	ISO HYPERTH.	ARIDIC TROPUST.	147	15	147	21				
GUETALE	USTIC	166	ISO HYPERTH.	ARIDIC TROPUST.	151	15	151	27				
GUIDER	USTIC	171	ISO HYPERTH.	ARIDIC TROPUST.	156	16	156	33				
HINA	USTIC	175	ISO HYPERTH.	ARIDIC TROPUST.	160	15	160	29				
IDENAU	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
ISONGO	PERUDIC	360	ISO HYPERTH.	PERUDIC					180	180	180	180
KAELE 65.74	USTIC	131	ISO HYPERTH.	ARIDIC TROPUST.	131	15	136	24				
KENTZOU	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	124
KOM	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
KOMPINA	USTIC	312	ISO HYPERTH.	UDIC TROPUST.	180	105	180	132				
KOUNDEN	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	104
KOUNDJA65.74	UDIC	346	ISO HYPERTH.	DRY TROPUDIC	180	105	180	166				
KOUSSERI	USTIC	103	ISO HYPERTH.	ARIDIC TROPUST.	103	8	103	8				
KRATER	USTIC	325	ISO HYPERTH.	UDIC TROPUST.	180	105	180	154				
KRIBI 65.74	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	176
KUMBA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	115
KUMBO	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	105	180	140
KUMFUTU	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	169
LAM	USTIC	168	ISO HYPERTH.	ARIDIC TROPUST.	153	15	153	26				
LARA	USTIC	166	ISO HYPERTH.	ARIDIC TROPUST.	151	15	151	27				
LIMBE	USTIC	329	ISO HYPERTH.	UDIC TROPUST.	180	105	180	159				

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR CAME

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
*LINKSFLUSS	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
*LOLODORF	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	161
*LOMIE 65.74	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	160
*LOUM-CHANTIE	UDIC	349	ISO HYPERTH.	DRY TROPUDIC	180	105	180	169				
*LUS	USTIC	338	ISO HYPERTH.	UDIC TROPUST.	180	105	180	158				
*MABETA-BEACH	USTIC	327	ISO HYPERTH.	UDIC TROPUST.	180	105	180	162				
*MADA	USTIC	168	ISO HYPERTH.	ARIDIC TROPUST.	153	15	153	26				
*MAKAK	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	151
*MAMFE	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	126
*MANGA-EBOKO	UDIC	352	ISO HYPERTH.	DRY TROPUDIC	180	105	180	172				
*MANKIM	USTIC	339	ISO HYPERTH.	UDIC TROPUST.	180	105	180	159				
*MANTOUM	USTIC	319	ISO HYPERTH.	UDIC TROPUST.	180	105	180	139				
*MARCUAS65.74	USTIC	162	ISO HYPERTH.	ARIDIC TROPUST.	147	15	147	22				
*MAYO-DARLE	USTIC	341	ISO HYPERTH.	UDIC TROPUST.	180	105	180	161				
*MBALMAYO-E-E	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	137
*MBANDE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
*MBANGA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	128
*MBEH	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
*MBENGWI	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
*MBETTA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	159
*MBINGO	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
*MBOUKOUROU	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	122
*MDIAN-ESTATE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
*MEANJA	USTIC	290	ISO HYPERTH.	UDIC TROPUST.	180	75	180	130				
*MEIGANG65.74	USTIC	295	ISO HYPERTH.	UDIC TROPUST.	180	75	180	132				
*MINDOURGU	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	126
*MISSELLELE	USTIC	312	ISO HYPERTH.	UDIC TROPUST.	180	105	180	132				
*MISSONG	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	135	180	163
*MKONGSAMBA	UDIC	339	ISO HYPERTH.	DRY TROPUDIC	180	84	180	159				
*MOKOLO	USTIC	184	ISO HYPERTH.	TYPIC TROPUST.	169	15	169	30				
*MOLIKO	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	131
*MOLIWE-PALMS	USTIC	324	ISO HYPERTH.	UDIC TROPUST.	180	105	180	156				
*MONT-COUPE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
*MORA	USTIC	132	ISO HYPERTH.	ARIDIC TROPUST.	132	15	135	22				
*MOUANKO	UDIC	327	ISO HYPERTH.	DRY TROPUDIC	180	105	180	156				
*MPUNDU	USTIC	283	ISO HYPERTH.	UDIC TROPUST.	180	75	180	120				
*MUKUNDANGE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	135	180	158
*MUSSAKA	USTIC	313	ISO HYPERTH.	UDIC TROPUST.	180	105	180	133				
*NACHTIGAL	USTIC	326	ISO HYPERTH.	UDIC TROPUST.	180	105	180	146				
*NANGA 65.74	UDIC	339	ISO HYPERTH.	DRY TROPUDIC	180	105	180	159				
*NDOP	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	105	180	134
*NGAMBE	UDIC	345	ISO HYPERTH.	DRY TROPUDIC	180	105	180	165				
*NGAMBE 65.74	USTIC	340	ISO HYPERTH.	UDIC TROPUST.	180	105	180	160				
*NGAOUND65.74	USTIC	299	ISO HYPERTH.	UDIC TROPUST.	180	75	180	119				
*NGOULEMAKONG	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	157

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CAMEROON

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR CAME

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
NGUELEBCCK	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	133
NJINIKOM	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
NKAMBE	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	105	180	147
NKCEMVONE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
NKOLAFAMBA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	129
NKOLBISSON	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	130
NKONDJOCK	UDIC	342	ISO HYPERTH.	DRY TROPUDIC	180	105	180	162				
NKONGSA65.74	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	119
NTEM	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	160
NTUI	USTIC	323	ISO HYPERTH.	UDIC TROPUST.	180	105	180	143				
NYABESSAN	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					105	105	147	160
NYOMBE	UDIC	319	ISO HYPERTH.	DRY TROPUDIC	180	105	180	154				
OBALA	USTIC	349	ISO HYPERTH.	UDIC TROPUST.	180	105	180	169				
PENJA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
POLI 65.74	USTIC	246	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	85				
POUSS	USTIC	157	ISO HYPERTH.	ARIDIC TROPUST.	142	15	142	22				
POWO	USTIC	299	ISO HYPERTH.	UDIC TROPUST.	180	75	180	148				
REY-BOUBA	USTIC	184	ISO HYPERTH.	TYPIC TROPUST.	169	27	169	42				
RIG-DEL-REY	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	135	180	172
SAA	USTIC	327	ISO HYPERTH.	UDIC TROPUST.	180	105	180	147				
SAFAY-DJELEP	USTIC	230	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	71				
SANGMELIMA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	175
SANGMEL65.74	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
SANTA-AGRIC	UDIC	360	ISO THERMIC	TYPIC UDIC					180	135	180	169
SANTA-COFFEE	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	105	180	147
SIR	USTIC	201	ISO HYPERTH.	TYPIC TROPUST.	180	25	180	46				
TABENKEN	UDIC	360	ISO THERMIC	TYPIC UDIC					180	105	180	164
TCHOLLIRE	USTIC	240	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	72				
TIBATI 65.74	USTIC	286	ISO HYPERTH.	UDIC TROPUST.	180	75	180	120				
TIGNERE	USTIC	305	ISO HYPERTH.	UDIC TROPUST.	180	75	180	125				
TIKC 65.74	USTIC	306	ISO HYPERTH.	UDIC TROPUST.	180	105	180	134				
TOLE-TEA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	136
TOMBEL	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
TOUBORO	USTIC	250	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	83				
VICTORIA	USTIC	346	ISO HYPERTH.	UDIC TROPUST.	180	105	180	166				
WAKWA	USTIC	298	ISO HYPERTH.	UDIC TROPUST.	180	75	180	118				
WEH	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	144
WUM-CATHOLIC	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
YABASSI	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	128
YAGOUA	USTIC	159	ISO HYPERTH.	ARIDIC TROPUST.	144	15	144	22				
YAKIRI	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
YAOUNDE65.74	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	128
YOKADOUMA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
YOKADOU65.74	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	134
YOKO 65.74	USTIC	298	ISO HYPERTH.	UDIC TROPUST.	180	75	180	143				

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR CENT

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BABOUA	25.1	23.8	25.6	ISO HYPERTH.	15	108	237	15	108	237	316	316	0	12	USTIC
BAMBARI	28.6	27.4	28.9	ISO HYPERTH.	61	104	195	61	104	195	254	254	0	0	USTIC
BANGASSOU	28.3	27.6	28.6	ISO HYPERTH.	31	92	237	31	92	237	329	329	0	12	USTIC
BANGUI	28.5	27.4	29.0	ISO HYPERTH.	36	91	233	36	91	233	324	324	0	8	USTIC
BERBERATI	27.1	26.3	27.3	ISO HYPERTH.	14	108	238	14	108	238	323	323	0	13	USTIC
BIRAO	29.2	28.7	27.2	ISO HYPERTH.	137	75	148	137	75	148	186	186	4	0	USTIC
BOSSANGOA	28.5	27.3	28.1	ISO HYPERTH.	86	62	212	86	62	212	244	244	0	0	USTIC
BOUAR	26.6	24.8	28.4	ISO HYPERTH.	67	75	218	67	75	218	277	277	0	0	USTIC
BOUCA	28.4	27.7	27.6	ISO HYPERTH.	93	51	216	93	51	216	250	250	0	0	USTIC
BRIA	27.6	27.0	27.4	ISO HYPERTH.	43	86	231	43	86	231	295	295	0	6	USTIC
NDIM	25.8	24.9	26.2	ISO HYPERTH.	76	65	219	76	65	219	284	284	0	0	USTIC
OBO.CENT.AFR	27.7	26.5	28.4	ISO HYPERTH.	50	90	220	50	90	220	310	310	0	0	USTIC
SARKI	24.9	24.0	25.3	ISO HYPERTH.	70	68	222	70	68	222	290	290	0	0	USTIC
YALINGA	27.2	26.6	26.8	ISO HYPERTH.	66	96	198	66	96	198	265	265	0	3	USTIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR CENT

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
BABOUA	USTIC	316	ISO HYPERTH.	UDIC TROPUST.	180	75	180	165				
BAMBARI	USTIC	254	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	119				
BANGASSOU	USTIC	329	ISO HYPERTH.	UDIC TROPUST.	180	105	180	149				
BANGUI	USTIC	324	ISO HYPERTH.	UDIC TROPUST.	180	105	180	144				
BERBERATI	USTIC	323	ISO HYPERTH.	UDIC TROPUST.	180	75	180	166				
BIRAO	USTIC	186	ISO HYPERTH.	TYPIC TROPUST.	165	21	176	47				
BOSSANGOA	USTIC	244	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	94				
BOUAR	USTIC	277	ISO HYPERTH.	UDIC TROPUST.	180	75	180	113				
BOUCA	USTIC	250	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	87				
BRIA	USTIC	295	ISO HYPERTH.	UDIC TROPUST.	180	75	180	137				
NDIM	USTIC	28[illegible]	ISO HYPERTH.	UDIC TROPUST.	180	75	180	104				
OBO.CENT.AFR	USTIC	31[illegible]	ISO HYPERTH.	UDIC TROPUST.	180	105	180	130				
SARKI	USTIC	290	ISO HYPERTH.	UDIC TROPUST.	180	75	180	110				
YALINGA	USTIC	265	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	114				

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR CHAD

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ABECHE	31.7	31.2	29.6	ISO HYPERTH.	273	41	46	273	41	46	87	87	18	0	ARIDIC
AM-TIMAN	29.4	28.7	27.9	ISO HYPERTH.	177	70	113	177	70	113	174	174	0	0	USTIC
ATI	31.3	31.3	28.4	ISO HYPERTH.	277	38	45	277	38	45	83	83	22	0	ARIDIC
BOKORO	30.9	30.6	28.1	ISO HYPERTH.	249	55	56	249	55	56	103	103	15	0	USTIC
BOL	30.9	29.7	29.2	ISO HYPERTH.	299	21	40	299	21	40	49	49	26	0	ARIDIC
BONGOR	30.8	29.2	29.5	ISO HYPERTH.	190	63	107	190	63	107	160	160	0	0	USTIC
BOUSSO	30.6	29.5	28.9	ISO HYPERTH.	185	64	111	185	64	111	167	167	0	0	USTIC
FAYA-LARGEAU	31.1	34.0	26.0	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
LERE	30.4	29.1	29.5	ISO HYPERTH.	182	63	115	182	63	115	169	169	0	0	USTIC
MAO	31.3	31.7	27.5	ISO HYPERTH.	310	25	25	310	25	25	36	36	39	0	ARIDIC
MONGO	31.5	30.2	30.1	ISO HYPERTH.	221	35	104	221	35	104	127	127	15	0	USTIC
MOUNDOU	29.6	28.6	28.2	ISO HYPERTH.	140	59	161	140	59	161	193	193	0	0	USTIC
N'DJAMENA	30.8	29.6	29.1	ISO HYPERTH.	229	30	101	229	30	101	121	121	15	0	USTIC
PALA	29.7	28.2	28.8	ISO HYPERTH.	161	46	153	161	46	153	180	180	0	0	USTIC
PANDZANGUE	28.3	27.8	26.5	ISO HYPERTH.	123	65	172	123	65	172	211	211	0	0	USTIC
SARH	30.3	29.0	29.5	ISO HYPERTH.	166	71	123	166	71	123	179	179	0	0	USTIC

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CHAD

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR CHAD

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ABECHE	ARIDIC	87	ISO HYPERTH.	WEAK ARIDIC	87	0	87	0				
AM-TIMAN	USTIC	174	ISO HYPERTH.	ARIDIC TROPUST.	159	15	159	24				
ATI	ARIDIC	83	ISO HYPERTH.	WEAK ARIDIC	83	0	83	0				
BOKORO	USTIC	103	ISO HYPERTH.	ARIDIC TROPUST.	103	8	103	8				
BOL	ARIDIC	49	ISO HYPERTH.	WEAK ARIDIC	49	0	61	0				
BONGOR	USTIC	160	ISO HYPERTH.	ARIDIC TROPUST.	145	15	145	25				
BOUSSO	USTIC	167	ISO HYPERTH.	ARIDIC TROPUST.	152	15	152	23				
FAYA-LARGEAU	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
LERE	USTIC	169	ISO HYPERTH.	ARIDIC TROPUST.	154	15	154	24				
MAO	ARIDIC	36	ISO HYPERTH.	TYPIC ARIDIC	36	0	50	0				
MONGO	USTIC	127	ISO HYPERTH.	ARIDIC TROPUST.	127	12	127	12				
MOUNDOU	USTIC	193	ISO HYPERTH.	TYPIC TROPUST.	178	27	178	42				
N'DJAMENA	USTIC	121	ISO HYPERTH.	ARIDIC TROPUST.	121	10	121	10				
PALA	USTIC	180	ISO HYPERTH.	TYPIC TROPUST.	165	19	165	34				
PANDZANGUE	USTIC	211	ISO HYPERTH.	TYPIC TROPUST.	180	19	180	57				
SARH	USTIC	179	ISO HYPERTH.	ARIDIC TROPUST.	164	15	164	30				

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CHAD

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR CONG

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
DJAMBALA CON	25.6	25.4	24.5	ISO HYPERTH.	0	35	325	0	35	325	360	360	0	45	UDIC
DOLISIE CONG	26.8	27.3	24.9	ISO HYPERTH.	44	73	243	44	73	243	288	288	0	18	USTIC
GAMBOMA CONG	27.8	27.8	27.7	ISO HYPERTH.	0	52	308	0	52	308	360	360	0	45	UDIC
IMPFONDO CON	27.8	27.2	28.2	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
OUESSO CONGO	27.9	27.3	28.2	ISO HYPERTH.	0	8	352	0	8	352	360	360	0	67	UDIC
POINTE-NOIRE	27.3	28.0	25.1	ISO HYPERTH.	57	67	236	57	67	236	285	285	0	11	USTIC
SOUANKE	26.5	25.7	26.5	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR CONG

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
*DJAMBALA CON	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	145
*DOLISIE CONG	USTIC	288	ISO HYPERTH.	UDIC TROPUST.	180	63	180	136				
*GAMBOMA CONG	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	128
*IMPFONDO CON	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
*OUESSO CONGO	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	172
*POINTE-NOIRE	USTIC	285	ISO HYPERTH.	UDIC TROPUST.	180	60	180	123				
*SOUANKE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180

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CONGO

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR EGYP

EGYPT

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ABBASIYA	22.7	26.9	17.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ABUL-KIZA	29.0	31.1	26.5	ISO HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ALEXANDRIA	22.8	26.3	18.9	HYPERTH.	246	114	0	246	114	0	114	114	120	0	USTIC
ALEXANDRIA E	23.5	26.7	19.8	HYPERTH.	288	72	0	288	72	0	72	72	120	0	ARIDIC
ASWAN	28.2	32.8	22.0	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ASYOUT	24.2	28.8	18.1	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ATF	22.2	25.9	17.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BAHARIA EGYP	24.1	28.4	18.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BELOAS	22.6	26.4	18.2	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BENHA	23.5	27.5	18.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BENI-SUEF	23.7	28.9	18.3	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
CAIRO EGYPT	24.5	28.6	19.7	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
DAEDALUS	28.5	30.7	25.9	ISO HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
DAKHLA EGYPT	25.7	30.4	19.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
DAMANHOUR	23.2	26.6	18.9	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
DAMIETTA	22.7	26.1	18.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
DARAW	29.1	33.4	23.0	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
DELTA-BARRAG	23.3	27.4	18.7	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
DURUNKAH	25.1	29.5	19.3	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
EDFINA	21.7	25.5	17.2	THERMIC	272	88	0	272	88	0	88	88	120	0	ARIDIC
EL-ARISH	22.0	25.5	17.5	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
EL-SIRW	22.4	26.0	17.8	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
FARAFRA	24.0	28.5	18.1	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
FAYIS	25.2	29.3	20.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
FAYUM	23.4	27.7	17.8	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
GEMMEIZA	21.8	25.9	16.8	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
GIZA	22.4	26.6	17.2	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
HELIOPOLIS	24.4	28.6	19.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
HELWAN EGYPT	24.4	28.2	19.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
HURGHADA EGY	25.3	28.8	20.7	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
KABRIT	24.9	29.3	20.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
KAFR-DAUD	23.4	27.1	18.7	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
KENA	27.2	31.9	21.0	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
KHANKA	23.5	27.3	18.8	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
KHARGA EGYPT	26.0	30.9	20.5	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
LUXOR	26.7	31.5	20.0	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
MANQABAD/ASY	25.3	29.5	19.7	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
MANSOURA	23.7	27.6	19.0	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
MERSA-MATRUH	21.6	25.0	17.6	THERMIC	282	78	0	282	78	0	78	78	120	0	ARIDIC
MINYA	24.1	28.5	18.5	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
PORT SAID EG	24.1	27.5	20.1	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
PORT-TEWFIK	24.1	28.2	19.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
QASR-EL-GEBA	23.3	28.0	17.5	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
QENA	26.5	31.5	19.9	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
QURASHIYA	21.6	26.0	16.5	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR EGYP

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
QUSEIR	27.0	30.3	23.0	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ROSETTA	23.8	26.8	20.1	HYPERTH.	280	80	0	280	80	0	80	80	120	0	ARIDIC
RUMANA	24.2	27.5	20.1	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
SAKHA	21.5	25.6	16.5	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
SALUM	23.1	26.3	18.9	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
SHAKSHUK	23.9	28.4	18.2	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
SHEBIN-EL-KO	22.9	27.0	18.2	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
SIDI-BARRANI	20.9	24.2	17.3	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
SIWA EGYPT	24.0	28.7	18.3	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
SUEZ	24.9	29.0	19.9	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
TANTA	22.3	26.3	17.3	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
TOR	24.7	28.4	19.8	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
WADI-EL-NATR	23.8	27.7	19.0	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ZAGAZIG	22.4	26.5	17.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR EGYP

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ABBASIYA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
ABUL-KIZA	ARIDIC	0	ISO HYPERTH.	EXTREME ARIDIC	0	0	0	0				
ALEXANDRIA	USTIC	114	HYPERTH.	TYPIC TEMPUST.	15	99	15	99				
ALEXANDRIA E	ARIDIC	72	HYPERTH.	WEAK ARIDIC	0	72	0	72				
ASWAN	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
ASYOUT	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
ATF	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
BAHARIA EGYP	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
BELCAS	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
BENHA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
BENI-SUEF	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
CAIRO EGYPT	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
CAEDALUS	ARIDIC	0	ISO HYPERTH.	EXTREME ARIDIC	0	0	0	0				
DAKHLA EGYPT	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
DAMANHOUR	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
DAMIETTA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
DARAW	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
DELTA-BARRAG	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
DURUNKAH	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
EDFINA	ARIDIC	88	THERMIC	WEAK ARIDIC	0	88	0	88				
EL-ARISH	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
EL-SIRW	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
FARAFRA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
FAYIS	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
FAYUM	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
GEMMEIZA	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
GIZA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
HELIOPOLIS	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
HELWAN EGYPT	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
HURGHADA EGY	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
KABRIT	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
KAFR-DAUD	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
KENA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
KHANKA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
KHARGA EGYPT	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
LUXOR	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
MANQABAD/ASY	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
MANSOURA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
MERSA-MATRUH	ARIDIC	78	THERMIC	WEAK ARIDIC	0	78	0	78				
MINYA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
PORT SAID EG	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
PORT-TEWFIK	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
QASR-EL-GEBA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
QENA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
QURASHIYA	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				

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EGYPT

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR EGYP

NAME OF STATICN	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
*GUSEIR	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
*ROSETTA	ARIDIC	80	HYPERTH.	WEAK ARIDIC	0	80	0	80				
*RUMANA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
*SAKHA	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
*SALUM	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
*SHAKSHUK	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
*SHEBIN-EL-KO	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
*SIDI-BARRANI	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
*SIWA EGYPT	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
*SUEZ	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
*TANTA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
*TOR	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
*WADI-EL-NATR	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
*ZAGAZIG	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				

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DATE 11/22/81

EGYPT

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR EQGU

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BATA.EQUA.GU	27.7	26.7	28.5	ISO HYPERTH.	0	39	321	0	39	321	360	360	0	120	UDIC
CAMPO	27.6	26.4	28.6	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
SANTA ISABEL	27.6	26.7	28.3	ISO HYPERTH.	3	82	275	3	82	275	357	357	0	20	UDIC

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DATE 11/22/81

EQUATORIAL GUINEA

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ECGU

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	WINT	CUM.DAYS MOIST(2+3) SUM.	WINT	CONS.DAYS COMP.MOIST SUM.	WINT	CUM.DAYS COMP.MOI. SUM.	WINT
BATA.EQLA.GU	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					105	180	141	180
CAMPO	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
SANTA*ISABEL	UDIC	357	ISO HYPERTH.	DRY TROPUDIC	180	105	180	177				

COMPUTED BY FORTRAN PROGRAM VW08, APR 1981

DATE 11/22/81

EQUATORIAL GUINEA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ETHI

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN YEAR IS ONE DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ADDIS-ABABA	18.4	18.0	17.9	ISO THERMIC	0	18	342	0	18	342	360	360	0	57	UDIC
ADOLA	21.7	21.2	21.4	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
AGARO	22.9	22.4	22.6	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
AGORDAT	31.5	31.4	29.5	ISO HYPERTH.	320	40	0	320	40	0	25	25	50	0	ARIDIC
ALAMATA	24.3	25.6	22.7	ISO HYPERTH.	76	164	120	76	164	120	171	171	15	15	USTIC
ASMARA	19.1	19.5	18.1	ISO THERMIC	129	66	165	129	66	165	231	231	15	0	USTIC
AWASH	27.2	28.1	25.5	ISO HYPERTH.	250	56	54	250	56	54	99	99	15	0	USTIC
BABAKA	24.2	23.0	25.0	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
BACO.ETHIOPY	22.3	21.2	22.5	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
BONGA	22.2	21.3	22.7	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
CHEREN	25.5	25.4	23.9	ISO HYPERTH.	226	64	70	226	64	70	123	123	15	0	USTIC
COMBOLCHA	21.6	22.9	20.1	ISO THERMIC	0	33	327	0	33	327	360	360	0	120	UDIC
DANGILLA	19.5	19.1	19.0	ISO THERMIC	0	100	260	0	100	260	360	360	0	65	USTIC
DEBRE-MARCOS	17.7	16.5	17.9	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
DIRE-DAWA	26.7	27.6	25.0	ISO HYPERTH.	220	77	63	220	77	63	106	106	15	0	USTIC
FAGHENA	21.8	24.4	19.0	THERMIC	0	16	344	0	16	344	360	360	0	120	UDIC
GONDAR	21.7	20.3	21.6	ISO THERMIC	50	88	222	50	88	222	310	310	0	27	USTIC
GORE.ETHIOPY	20.6	18.9	21.8	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
HOSSANA	19.0	18.0	19.3	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
JIJIGA	21.5	22.3	20.0	ISO THERMIC	112	153	95	112	153	95	166	166	7	0	USTIC
JIMMA	21.3	21.0	20.6	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
MAICHEW	19.1	20.6	17.9	ISO THERMIC	0	34	326	0	34	326	360	360	0	120	UDIC
MASSAUA	32.3	35.0	29.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
MENDI	22.7	21.0	23.3	ISO HYPERTH.	32	73	255	32	73	255	328	328	0	30	USTIC
NAZRETH	22.6	23.0	21.4	ISO HYPERTH.	77	119	164	77	119	164	263	263	0	0	USTIC
NEDJO	21.4	19.3	22.6	ISO THERMIC	8	93	259	8	93	259	352	352	0	34	USTIC
NEGHELLE	21.6	20.1	22.6	ISO THERMIC	56	88	216	56	88	216	304	304	0	15	USTIC
SAJA.ETHIOPY	21.3	20.3	21.7	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
SILTE	20.0	19.4	19.4	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
SIRE	20.6	21.0	19.4	ISO THERMIC	0	41	319	0	41	319	360	360	0	45	UDIC
TESSENEI	30.9	30.4	28.9	ISO HYPERTH.	279	39	42	279	39	42	81	81	24	0	ARIDIC
WONDJI	23.3	23.7	22.1	ISO HYPERTH.	61	131	168	61	131	168	264	264	0	3	USTIC
WONDO	20.1	19.7	19.9	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
WUSH-WUSH	20.8	20.6	20.4	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
YIRGALEM	22.1	21.8	22.0	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC

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ETHIOPIA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ETHI

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ADDIS-ABABA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	105	180	162
ADOLA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
AGARO	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
AGCRDAT	ARIDIC	25	ISO HYPERTH.	TYPIC ARIDIC	25	0	40	0				
ALAMATA	USTIC	171	ISO HYPERTH.	ARIDIC TROPUST.	165	113	165	119				
ASMARA	USTIC	231	ISO THERMIC	TYPIC TROPUST.	165	66	165	66				
AWASH	USTIC	99	ISO HYPERTH.	ARIDIC TROPUST.	99	11	99	11				
BABAKA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
BACO.ETHIOPY	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
BONGA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
CHEREN	USTIC	123	ISO HYPERTH.	ARIDIC TROPUST.	123	11	123	11				
COMBOLCHA	UDIC	360	ISO THERMIC	DRY TROPUDIC					165	162	165	162
DANGILLA	USTIC	360	ISO THERMIC	UDIC TROPUST.					180	65	180	80
DEBRE-MARCOS	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
DIRE-DAWA	USTIC	106	ISO HYPERTH.	ARIDIC TROPUST.	106	20	106	34				
FAGHENA	UDIC	360	THERMIC	TYPIC UDIC					165	179	165	179
GONDAR	USTIC	310	ISO THERMIC	UDIC TROPUST.	180	85	180	130				
GORE.ETHIOPY	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
HOSSANA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
JIJIGA	USTIC	166	ISO THERMIC	ARIDIC TROPUST.	165	59	173	75				
JIMMA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
MAICHEW	UDIC	360	ISO THERMIC	DRY TROPUDIC					165	161	165	161
MASSAUA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
MENDI	USTIC	328	ISO HYPERTH.	UDIC TROPUST.	180	75	180	148				
NAZRETH	USTIC	263	ISO HYPERTH.	TYPIC TROPUST.	180	68	180	103				
NEDJO	USTIC	352	ISO THERMIC	UDIC TROPUST.	180	97	180	172				
NEGHELLE	USTIC	304	ISO THERMIC	UDIC TROPUST.	180	75	180	124				
SAJA.ETHIOPY	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
SILTE	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
SIRE	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	85	180	139
TESSENEI	ARIDIC	81	ISO HYPERTH.	WEAK ARIDIC	81	0	81	0				
WONDJI	USTIC	2[illegible]	ISO HYPERTH.	TYPIC TROPUST.	180	69	180	119				
WONDO	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
WUSH-WUSH	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
YIRGALEM	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180

COMPUTED BY FORTRAN PROGRAM VWC8, APR 1981

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ETHIOPIA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR GABC

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMN	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BITAM	26.6	25.2	27.6	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
BITAM GABON	26.9	25.8	27.6	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
COCO BEACH	28.5	27.0	29.5	ISO HYPERTH.	0	37	323	0	37	323	360	360	0	120	UDIC
FRANCEVILLE	27.0	27.0	25.9	ISO HYPERTH.	0	44	316	0	44	316	360	360	0	45	UDIC
LAMBARENE	28.8	29.1	27.9	ISO HYPERTH.	35	62	263	35	62	263	325	325	0	15	USTIC
LASTOURVILLE	26.6	26.7	25.5	ISO HYPERTH.	0	73	287	0	73	287	360	360	0	32	UDIC
LIBREVILLE	28.8	27.3	29.7	ISO HYPERTH.	21	64	275	21	64	275	339	339	21	120	UDIC
MAKOKOU	26.5	24.5	27.1	ISO HYPERTH.	0	34	326	0	34	326	360	360	0	120	UDIC
MAYUMBA	27.5	28.0	25.7	ISO HYPERTH.	50	46	264	50	46	264	310	310	0	15	USTIC
MEKAMBO	26.3	24.7	26.8	ISO HYPERTH.	52	41	267	52	41	267	308	308	52	120	USTIC
MINVOUL	26.5	25.6	27.1	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MITZIC	26.4	24.7	27.3	ISO HYPERTH.	0	25	335	0	25	335	360	360	0	120	UDIC
MOUILA	28.8	29.1	27.2	ISO HYPERTH.	41	48	271	41	48	271	310	310	0	16	UDIC
PORT GENTIL	28.6	29.0	27.2	ISO HYPERTH.	55	37	268	55	37	268	305	305	0	15	USTIC
TCHIBANGA	28.3	28.7	26.6	ISO HYPERTH.	76	38	246	76	38	246	284	284	0	15	USTIC

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GABON

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR GABC

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
*BITAM	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
*BITAM*GABON	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
*COCO*BEACH	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					105	180	143	180
*FRANCEVILLE	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	136
*LAMBARENE	USTIC	325	ISO HYPERTH.	UDIC TROPUST.	180	105	180	145				
*LASTOURVILLE	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	107
*LIBREVILLE	UDIC	339	ISO HYPERTH.	DRY TROPUDIC	105	180	159	180				
*MAKOKOU	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					105	180	146	180
*MAYUMBA	USTIC	310	ISO HYPERTH.	UDIC TROPUST.	180	75	180	130				
*MEKAMBO	USTIC	308	ISO HYPERTH.	UDIC TROPUST.	75	180	128	180				
*MINVOUL	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
*MITZIC	UDIC	360	ISO HYPERTH.	TYPIC UDIC					105	180	155	180
*MOUILA	UDIC	310	ISO HYPERTH.	DRY TROPUDIC	180	75	180	139				
*PORT*GENTIL	USTIC	305	ISO HYPERTH.	UDIC TROPUST.	180	75	180	125				
*TCHIBANGA	USTIC	284	ISO HYPERTH.	UDIC TROPUST.	180	75	180	104				

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GABON

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR GHAN

GHANA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ABURI.GHANA	26.7	24.9	27.8	ISO HYPERTH.	0	47	313	0	47	313	360	360	0	29	UDIC
ACCRA	29.0	26.9	30.3	ISO HYPERTH.	204	85	71	204	85	71	119	119	31	0	USTIC
ACHIMOTA	28.9	26.7	30.3	ISO HYPERTH.	172	82	106	172	82	106	140	140	10	0	USTIC
ADA	29.8	27.7	31.0	ISO HYPERTH.	169	91	100	169	91	100	139	139	11	0	USTIC
AKUSE	29.8	27.9	30.8	ISO HYPERTH.	112	147	101	112	147	101	176	176	4	0	USTIC
ASYANSI	28.0	26.4	28.9	ISO HYPERTH.	10	100	250	10	100	250	329	329	0	25	USTIC
AXIM	29.0	27.6	29.9	ISO HYPERTH.	0	30	330	0	30	330	360	360	0	36	UDIC
BIBIANI	28.4	27.0	29.1	ISO HYPERTH.	25	73	262	25	73	262	325	325	0	15	USTIC
BUNSO	28.3	27.1	28.6	ISO HYPERTH.	0	27	333	0	27	333	360	360	0	45	UDIC
EJURA	29.1	27.7	29.6	ISO HYPERTH.	41	94	225	41	94	225	283	283	0	0	USTIC
ESIAMA	28.5	27.6	28.9	ISO HYPERTH.	0	26	334	0	26	334	360	360	0	45	UDIC
HO.GHANA	29.2	27.1	30.6	ISO HYPERTH.	30	76	254	30	76	254	318	318	0	15	USTIC
KADE	28.4	27.0	29.1	ISO HYPERTH.	0	47	313	0	47	313	360	360	0	45	UDIC
KANAYERIBO	26.0	24.6	27.8	ISO HYPERTH.	0	51	309	0	51	309	360	360	0	45	UDIC
KINTAMPO	28.4	26.2	29.7	ISO HYPERTH.	65	75	220	65	75	220	277	277	0	0	USTIC
KONONGO	28.3	27.3	28.4	ISO HYPERTH.	4	87	269	4	87	269	356	356	0	15	USTIC
KPEVE	29.2	27.8	29.9	ISO HYPERTH.	32	103	225	32	103	225	318	318	0	0	USTIC
KUMASI GHANA	28.0	26.7	28.5	ISO HYPERTH.	10	85	265	10	85	265	350	350	0	15	USTIC
NAVRONGO	30.7	29.0	30.5	ISO HYPERTH.	165	76	119	165	76	119	175	175	0	0	USTIC
NSAWAM	29.0	27.4	29.8	ISO HYPERTH.	56	91	213	56	91	213	267	267	0	0	USTIC
SALTPOND	29.1	27.1	30.3	ISO HYPERTH.	146	99	115	146	99	115	169	169	0	0	USTIC
TAFO	28.4	27.0	29.1	ISO HYPERTH.	0	54	306	0	54	306	360	360	0	45	UDIC
TAKORADI GHA	27.6	26.9	28.2	ISO HYPERTH.	51	85	224	51	85	224	294	294	0	4	USTIC
TAMALE GHANA	30.3	28.1	31.4	ISO HYPERTH.	125	104	131	125	104	131	215	215	0	0	USTIC
WA	29.7	27.8	30.3	ISO HYPERTH.	130	68	162	130	68	162	217	217	0	0	USTIC
YENDI	29.9	27.9	30.7	ISO HYPERTH.	122	72	166	122	72	166	223	223	0	0	USTIC
ZUARUNGU	30.7	28.6	30.9	ISO HYPERTH.	162	76	122	162	76	122	176	176	0	0	USTIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR GHAN

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ABURI.GHANA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	133
ACCRA	USTIC	119	ISO HYPERTH.	ARIDIC TROPUST.	74	45	86	70				
ACHIMOTA	USTIC	140	ISO HYPERTH.	ARIDIC TROPUST.	95	45	113	75				
ADA	USTIC	139	ISO HYPERTH.	ARIDIC TROPUST.	94	45	112	79				
AKUSE	USTIC	176	ISO HYPERTH.	ARIDIC TROPUST.	101	75	155	93				
ASYANSI	USTIC	329	ISO HYPERTH.	UDIC TROPUST.	180	75	180	170				
AXIM	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	150
BIBIANI	USTIC	325	ISO HYPERTH.	UDIC TROPUST.	180	105	180	155				
BUNSO	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	153
EJURA	USTIC	283	ISO HYPERTH.	UDIC TROPUST.	180	75	180	139				
ESIAMA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	154
HO.GHANA	USTIC	318	ISO HYPERTH.	UDIC TROPUST.	180	105	180	150				
KADE	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	133
KANAYERIBC	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	129
KINTAMPO	USTIC	277	ISO HYPERTH.	UDIC TROPUST.	180	75	180	115				
KONONGO	USTIC	356	ISO HYPERTH.	UDIC TROPUST.	180	105	180	176				
KPEVE	USTIC	318	ISO HYPERTH.	UDIC TROPUST.	180	105	180	148				
KUMASI GHANA	USTIC	350	ISO HYPERTH.	UDIC TROPUST.	180	105	180	170				
NAVRONGO	USTIC	175	ISO HYPERTH.	ARIDIC TROPUST.	160	20	160	35				
NSAWAM	USTIC	267	ISO HYPERTH.	TYPIC TROPUST.	180	75	180	124				
SALTPOND	USTIC	169	ISO HYPERTH.	ARIDIC TROPUST.	124	45	137	77				
TAFO	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	126
TAKORADI GHA	USTIC	294	ISO HYPERTH.	UDIC TROPUST.	180	75	180	129				
TAMALE GHANA	USTIC	215	ISO HYPERTH.	TYPIC TROPUST.	170	45	170	65				
WA	USTIC	217	ISO HYPERTH.	TYPIC TROPUST.	172	45	172	58				
YENDI	USTIC	223	ISO HYPERTH.	TYPIC TROPUST.	178	45	178	60				
ZUARUNGU	USTIC	176	ISO HYPERTH.	ARIDIC TROPUST.	161	22	161	37				

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GHANA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR GUIN

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BOKE.GUINEA	29.6	28.4	29.2	ISO HYPERTH.	109	56	195	109	56	195	251	251	0	0	USTIC
CONAKRY	28.9	27.3	29.6	ISO HYPERTH.	110	25	225	110	25	225	250	250	0	0	USTIC
KANKAN	28.4	27.3	27.3	ISO HYPERTH.	98	80	182	98	80	182	249	249	0	0	USTIC
KINDIA	27.8	25.7	28.9	ISO HYPERTH.	95	38	227	95	38	227	255	255	0	2	USTIC
LABE	24.8	24.4	23.7	ISO HYPERTH.	66	72	222	66	72	222	294	294	0	27	USTIC
MACENTA	26.7	26.2	26.1	ISO HYPERTH.	0	18	342	0	18	342	360	360	0	45	UDIC
MAMOU	26.0	24.5	26.2	ISO HYPERTH.	50	67	243	50	67	243	310	310	0	18	USTIC
SIGUIRI	29.3	20.2	28.1	ISO HYPERTH.	140	48	172	140	48	172	206	206	0	0	USTIC

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GUINEA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR GUIN

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
BOKE.GUINEA	USTIC	251	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	71				
CONAKRY	USTIC	250	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	70				
KANKAN	USTIC	249	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	82				
KINDIA	USTIC	255	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	85				
LABE	USTIC	294	ISO HYPERTH.	UDIC TROPUST.	180	69	180	114				
MACENTA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	162
MAMDOU	USTIC	310	ISO HYPERTH.	UDIC TROPUST.	180	75	180	130				
SIGUIRI	USTIC	206	ISO HYPERTH.	TYPIC TROPUST.	180	15	180	40				

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DATE 11/22/81

GUINEA

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR PGUI

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BISSAU	28.8	28.7	27.7	ISO HYPERTH.	146	35	179	146	35	179	214	214	0	0	USTIC
BOLAMA	29.3	28.9	28.[illegible]	ISO HYPERTH.	151	31	178	151	31	178	209	209	0	0	USTIC
BUBAQUE	28.6	28.5	27.[illegible]	HYPERTH.	145	33	182	145	33	182	215	215	0	0	USTIC
CATIO	29.2	28.6	28.4[illegible]	HYPERTH.	141	29	190	141	29	190	219	219	0	0	USTIC
NOVA-LAMEGO	28.7	28.2	26.5	ISO HYPERTH.	133	44	183	133	44	183	227	227	0	0	USTIC

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GUINEA-BISSAU

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR PGUI

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
BISSAU	USTIC	214	ISO HYPERTH.	TYPIC TROPUST.	180	19	180	34				
BOLAMA	USTIC	209	ISO HYPERTH.	TYPIC TROPUST.	180	15	180	29				
BUBAQUE	USTIC	215	ISO HYPERTH.	TYPIC TROPUST.	180	20	180	35				
CATIO	USTIC	219	ISO HYPERTH.	TYPIC TROPUST.	180	24	180	39				
NOVA-LAMEGO	USTIC	227	ISO HYPERTH.	TYPIC TROPUST.	180	32	180	47				

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GUINEA-BISSAU

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR IVOR

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ABIDJAN-AERO	28.9	27.2	29.9	ISO HYPERTH.	4	70	286	4	70	286	356	356	0	31	UDIC
ABIDJAN-VILL	29.4	27.7	30.5	ISO HYPERTH.	53	91	216	53	91	216	278	278	0	0	USTIC
ADIAKE	28.7	27.0	29.8	ISO HYPERTH.	0	49	311	0	49	311	360	360	0	45	UDIC
BONDOUKOU	28.2	26.4	29.1	ISO HYPERTH.	67	75	218	67	75	218	279	279	0	0	USTIC
BOUAKE-AERO	28.2	26.4	29.5	ISO HYPERTH.	68	113	179	68	113	179	269	269	0	0	USTIC
DIMBOKRO	30.0	28.6	30.7	ISO HYPERTH.	62	38	260	62	38	260	290	290	0	45	USTIC
FERKESSEDOUG	29.4	28.4	28.7	ISO HYPERTH.	106	90	164	106	90	164	228	228	0	0	USTIC
GAGNOA	28.5	27.3	28.9	ISO HYPERTH.	0	48	312	0	48	312	360	360	0	45	UDIC
MAN-AERO	27.5	26.7	27.3	ISO HYPERTH.	35	66	259	35	66	259	325	325	0	15	USTIC
ODIENNE IVOR	29.0	27.9	28.7	ISO HYPERTH.	101	72	187	101	72	187	246	246	0	0	USTIC
SASSANDRA	28.4	26.8	29.4	ISO HYPERTH.	72	70	218	72	70	218	255	255	0	4	USTIC
TABOU	28.5	27.5	29.1	ISO HYPERTH.	9	83	268	9	83	268	351	351	0	43	USTIC
TABOU IVORY	28.4	27.3	29.2	ISO HYPERTH.	0	47	313	0	47	313	360	360	0	58	UDIC

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IVORY COAST

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR IVOR

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ABIDJAN-AERO	UDIC	356	ISO HYPERTH.	DRY TROPUDIC	180	105	180	176				
ABIDJAN-VILL	USTIC	278	ISO HYPERTH.	UDIC TROPUST.	180	75	180	127				
ADIAKE	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	131
BONDOUKOU	USTIC	279	ISO HYPERTH.	UDIC TROPUST.	180	75	180	113				
BOUAKE-AERO	USTIC	269	ISO HYPERTH.	TYPIC TROPUST.	180	75	180	112				
DIMBOKRO	USTIC	290	ISO HYPERTH.	UDIC TROPUST.	180	105	180	118				
FERKESSEDOUG	USTIC	228	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	74				
GAGNOA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	132
MAN-AERO	USTIC	325	ISO HYPERTH.	UDIC TROPUST.	180	105	180	145				
ODIENNE IVOR	USTIC	246	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	79				
SASSANDRA	USTIC	255	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	108				
TABOU	USTIC	351	ISO HYPERTH.	UDIC TROPUST.	180	96	180	171				
TABOU IVORY	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	133

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IVORY COAST

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR KENY

KENYA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ELDORET	19.2	18.1	19.5	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
GARISSA KENY	30.9	30.9	29.6	ISO HYPERTH.	333	27	0	333	27	0	10	10	105	0	ARIDIC
ISIOLO	26.0	25.4	25.9	ISO HYPERTH.	151	132	77	151	132	77	132	132	105	32	USTIC
KISII	21.7	21.9	21.4	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
KITALE	20.8	19.8	21.4	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
LAMU	29.4	29.8	28.3	ISO HYPERTH.	172	74	114	172	74	114	188	188	105	69	USTIC
LODWAR KENYA	31.8	30.9	31.8	ISO HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
MAGADI	31.4	31.9	30.3	ISO HYPERTH.	325	35	0	325	35	0	17	17	75	0	ARIDIC
MALINDI	28.7	29.1	27.6	ISO HYPERTH.	84	34	242	84	34	242	269	269	61	120	USTIC
MANDERA	31.4	30.5	31.6	ISO HYPERTH.	344	16	0	344	16	0	16	16	120	0	ARIDIC
MOMBASA KENY	28.9	29.7	27.4	ISO HYPERTH.	95	51	214	95	51	214	257	257	73	120	USTIC
MOYALE	24.8	21.9	27.4	ISO HYPERTH.	99	143	118	99	143	118	171	171	9	15	USTIC
NAIROBI/DAGO	20.0	20.0	18.5	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
NAIVASHA	19.8	20.1	19.0	ISO THERMIC	67	152	141	67	152	141	293	293	67	96	USTIC
NAKURU	19.4	19.5	18.9	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
NANYUKI	18.7	18.0	19.3	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
VOI	27.4	28.1	26.0	ISO HYPERTH.	271	89	0	271	89	0	28	28	62	0	ARIDIC
WAJIR KENYA	30.5	28.5	31.9	ISO HYPERTH.	349	11	0	349	11	0	11	11	120	0	ARIDIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR KENY

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ELDORET	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
GARISSA KENY	ARIDIC	10	ISO HYPERTH.	TYPIC ARIDIC	7	10	7	20				
ISIOLO	USTIC	132	ISO HYPERTH.	ARIDIC TROPUST.	75	77	75	134				
KISII	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
KITALE	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
LAMU	USTIC	188	ISO HYPERTH.	TYPIC TROPUST.	75	113	75	113				
LODWAR KENYA	ARIDIC	0	ISO HYPERTH.	EXTREME ARIDIC	0	0	0	0				
MAGADI	ARIDIC	17	ISO HYPERTH.	TYPIC ARIDIC	17	0	35	0				
MALINDI	USTIC	269	ISO HYPERTH.	TYPIC TROPUST.	75	180	96	180				
MANDERA	ARIDIC	16	ISO HYPERTH.	TYPIC ARIDIC	0	16	0	16				
MOMBASA KENY	USTIC	257	ISO HYPERTH.	TYPIC TROPUST.	75	180	85	180				
MOYALE	USTIC	171	ISO HYPERTH.	ARIDIC TROPUST.	96	75	171	90				
NAIROBI/DAGO	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
NAIVASHA	USTIC	293	ISO THERMIC	UDIC TROPUST.	105	180	113	180				
NAKURU	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
NANYUKI	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
VOI	ARIDIC	28	ISO HYPERTH.	TYPIC ARIDIC	20	26	48	41				
WAJIR KENYA	ARIDIC	11	ISO HYPERTH.	TYPIC ARIDIC	0	11	0	11				

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KENYA

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR LESO

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	CUMULATIVE DAYS MSC WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BUTHA BUTHE	16.8	20.1	12.4	THERMIC	0	0	360	0	0	360	360	311	0	120	UDIC
LERIBE	17.1	20.3	12.6	THERMIC	0	0	360	0	0	360	360	315	0	120	UDIC
MAFETENG	17.1	20.5	13.0	THERMIC	0	0	360	0	0	360	360	323	0	120	UDIC
MASERU	17.2	21.0	12.5	THERMIC	0	0	360	0	0	360	360	309	0	120	UDIC
MOHALE HOEK	17.7	21.1	13.2	THERMIC	0	0	360	0	0	360	360	329	0	120	UDIC
QUTHING	17.0	20.3	12.8	THERMIC	0	0	360	0	0	360	360	320	0	120	UDIC
TEYATEYANENG	17.5	20.6	13.4	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
WEPENER RSA	17.9	21.8	13.2	THERMIC	53	307	0	53	307	0	253	160	4	0	USTIC

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LESOTHO

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR LESO

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
BUTHA BUTHE	UDIC	311	THERMIC	TYPIC UDIC					180	180	180	180
LERIBE	UDIC	315	THERMIC	TYPIC UDIC					180	180	180	180
MAFETENG	UDIC	323	THERMIC	TYPIC UDIC					180	180	180	180
MASERU	UDIC	309	THERMIC	TYPIC UDIC					180	180	180	180
MOHALE HOEK	UDIC	329	THERMIC	TYPIC UDIC					180	180	180	180
QUTHING	UDIC	320	THERMIC	TYPIC UDIC					180	180	180	180
TEYATEYANENG	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
WEPENER RSA	USTIC	160	THERMIC	TYPIC TEMPUST.	165	88	176	131				

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LESOTHO

LIBERIA

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR LIBE

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BELLAYELLA	30.3	28.8	31.7	ISO HYPERTH.	38	68	254	38	68	254	310	310	0	15	USTIC
BOPOLU	27.8	26.3	28.6	ISO HYPERTH.	1	84	275	1	84	275	359	359	0	20	UDIC
BUAH.LIBERIA	29.4	29.5	29.2	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
CACAOPA	28.3	26.5	28.3	ISO HYPERTH.	18	47	295	18	47	295	342	342	0	45	UDIC
GANTA	28.1	27.7	27.7	ISO HYPERTH.	0	52	308	0	52	308	360	360	0	45	UDIC
GREENVILLE	27.7	27.0	28.1	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	PERUDIC
HARBEL	28.2	26.8	28.9	ISO HYPERTH.	0	14	346	0	14	346	360	360	0	45	UDIC
HARPER	27.0	25.5	26.4	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
KOLAHUN	27.5	25.5	26.4	ISO HYPERTH.	0	36	324	0	36	324	360	360	0	41	UDIC
MONROVIA	28.3	27.2	29.0	ISO HYPERTH.	0	51	309	0	51	309	360	360	0	41	UDIC
NYAAKE	28.0	25.9	29.6	ISO HYPERTH.	0	0	360	0	0	360	360	0	0	120	PERUDIC
ROBERTPORT	27.7	26.6	28.1	ISO HYPERTH.	0	37	323	0	37	323	360	0	0	42	UDIC
SALALA	29.2	28.1	29.1	ISO HYPERTH.	6	45	309	6	45	309	354	354	0	45	UDIC
SANNIQUELLIE	26.9	25.6	27.4	ISO HYPERTH.	0	50	310	0	50	310	360	360	0	45	UDIC
SUAKOKO	26.8	25.7	27.0	ISO HYPERTH.	0	34	326	0	34	326	360	360	0	45	UDIC
TAPPITA	28.4	27.5	28.4	ISO HYPERTH.	20	114	226	20	114	226	326	326	0	0	USTIC
VOINJANA	27.1	26.2	27.0	ISO HYPERTH.	0	9	351	0	9	351	360	360	0	66	UDIC
ZIATOWN	28.2	27.8	27.7	ISO HYPERTH.	0	4	356	0	4	356	360	360	0	71	UDIC
ZORZOR	25.7	25.2	25.9	ISO HYPERTH.	0	33	327	0	33	327	360	360	0	45	UDIC
ZUIE.LIBERIA	27.9	26.5	28.9	ISO HYPERTH.	0	54	306	0	54	306	360	360	0	45	UDIC
ZWEDRU	29.4	28.1	29.5	ISO HYPERTH.	1	79	280	1	79	280	359	359	0	25	UDIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR LIBE

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
BELLAYELLA	USTIC	310	ISO HYPERTH.	UDIC TROPUST.	180	105	180	142				
BOPOLU	UDIC	359	ISO HYPERTH.	DRY TROPUDIC	180	105	180	179				
BUAH.LIBERIA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
CACAOPA	UDIC	342	ISO HYPERTH.	DRY TROPUDIC	180	105	180	162				
GANTA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	128
GREENVILLE	PERUDIC	360	ISO HYPERTH.	PERUDIC					180	180	180	180
HARBEL	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	166
HARPER	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
KOLAHUN	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	144
MONROVIA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	129
NYAAKE	PERUDIC	360	ISO HYPERTH.	PERUDIC					180	180	180	180
ROBERTPORT	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	143
SALALA	UDIC	354	ISO HYPERTH.	DRY TROPUDIC	180	105	180	174				
SANNIQUELLIE	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	130
SUAKOKO	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	146
TAPPITA	USTIC	326	ISO HYPERTH.	UDIC TROPUST.	180	105	180	160				
VOINJANA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	171
ZIATOWN	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	176
ZORZOR	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	147
ZUIE.LIBERIA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	126
ZWEDRU	UDIC	359	ISO HYPERTH.	DRY TROPUDIC	180	105	180	179				

COMPUTED BY FORTRAN PROGRAM VWC8, APR 1981 DATE 11/22/81

LIBERIA

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR LIBY

LIBYA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ABIAR-MIGGI	20.9	24.6	15.8	THERMIC	206	72	82	206	72	82	154	154	120	75	XERIC
AGHEILA	22.5	25.8	18.0	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
AJDABIYAH	23.3	26.6	18.5	HYPERTH.	284	76	0	284	76	0	76	76	120	0	ARIDIC
AL JAWF	25.8	30.4	19.7	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
AL MARJ	20.1	23.9	15.9	THERMIC	128	58	174	128	58	174	232	232	113	120	XERIC
AN NAWFALIYA	22.4	25.7	17.7	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
APOLLONIA	23.0	26.3	19.3	HYPERTH.	172	50	138	172	50	138	188	188	120	108	USTIC
AZIZIA	23.3	28.0	17.7	HYPERTH.	222	138	0	222	138	0	138	138	120	0	USTIC
BARDIYAH	22.2	25.3	18.2	HYPERTH.	289	71	0	289	71	0	71	71	120	0	ARIDIC
BENGHAZI	22.5	25.6	18.5	HYPERTH.	211	70	79	211	70	79	149	149	120	77	USTIC
BENI-ULID	23.3	28.4	17.9	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BENINA	22.2	26.1	17.5	HYPERTH.	208	51	101	208	51	101	152	152	120	96	USTIC
BIR-EL-GHNEM	25.0	30.0	19.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BU-ARGUB	22.8	27.3	17.5	HYPERTH.	210	70	80	210	70	80	150	150	120	75	USTIC
BU-CHEMMASH	21.7	25.5	16.7	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
BU-GHEILAN	23.7	28.8	17.9	HYPERTH.	244	39	77	244	39	77	116	116	120	75	USTIC
DARNAH	21.8	24.9	18.0	THERMIC	207	74	79	207	74	79	153	153	120	75	XERIC
EL-ADEM	21.6	25.6	16.9	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
EL-ASSA	22.4	27.1	17.0	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
FOND-BEN-GAS	22.8	27.3	17.6	HYPERTH.	201	46	113	201	46	113	159	159	120	105	USTIC
FUEHAT	23.0	26.1	18.7	HYPERTH.	212	41	107	212	41	107	148	148	120	105	USTIC
GARABULLI	22.8	26.7	18.1	HYPERTH.	188	49	123	188	49	123	172	172	120	105	USTIC
GHADAMIS	24.7	31.1	17.5	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
GHARYAN	20.6	25.8	15.0	THERMIC	185	45	130	185	45	130	175	175	120	105	XERIC
GHERIAT	22.8	27.8	16.5	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
GIADO	20.6	26.2	14.6	THERMIC	249	111	0	249	111	0	111	94	120	0	USTIC
GIALO	25.3	29.3	19.1	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
GIARABUB	24.5	29.4	19.0	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
GIOSC	24.3	29.9	18.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
GUSBAT	21.7	25.9	16.7	THERMIC	184	47	129	184	47	129	176	176	120	105	XERIC
HOMS	22.5	26.3	17.5	HYPERTH.	219	141	0	219	141	0	141	141	120	0	USTIC
HUN	23.7	28.4	17.8	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
JEFREN	21.7	27.3	15.2	THERMIC	192	44	124	192	44	124	168	168	120	105	XERIC
MARSA-DILA	21.9	25.5	17.3	THERMIC	205	74	81	205	74	81	155	155	120	75	XERIC
MISRATAH	22.6	26.0	18.1	HYPERTH.	223	137	0	223	137	0	137	137	120	0	USTIC
MIZDA	22.6	28.2	16.5	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
NALUT	20.9	26.5	14.5	THERMIC	130	53	177	130	53	177	230	153	115	120	XERIC
REGDALIN	21.2	24.7	16.4	THERMIC	281	79	0	281	79	0	79	79	120	0	ARIDIC
SABHA	25.1	30.1	18.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
SABRATHA	22.2	26.1	17.5	HYPERTH.	277	83	0	277	83	0	83	83	120	0	ARIDIC
SHAHAT	18.4	22.4	13.9	THERMIC	124	58	178	124	58	178	236	236	109	120	XERIC
SIDI-EL-MESR	22.0	25.9	17.3	HYPERTH.	153	48	159	153	48	159	207	207	120	120	USTIC
SORMAN(SALS)	22.2	26.0	17.7	HYPERTH.	229	131	0	229	131	0	131	131	120	0	USTIC
SULUQ	22.3	26.2	17.5	HYPERTH.	264	96	0	264	96	0	96	96	120	0	USTIC
SUPT	22.8	25.9	18.3	HYPERTH.	285	75	0	285	75	0	75	75	120	0	ARIDIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR LIBY

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
TARHUNA	21.4	26.2	16.2	THERMIC	199	75	86	199	75	86	161	161	120	75	XERIC
TOCRA	22.5	25.5	18.8	HYPERTH.	208	67	85	206	67	85	152	152	120	81	USTIC
TOLMETA	22.4	25.5	18.9	HYPERTH.	183	53	124	183	53	124	177	177	120	105	USTIC
TRIPOLI	22.1	25.7	17.8	HYPERTH.	152	51	157	152	51	157	208	208	120	120	USTIC
TUBRUQ	22.2	25.3	18.1	HYPERTH.	285	75	0	285	75	0	75	75	120	0	ARIDIC
TUMMINA	22.6	26.4	18.0	HYPERTH.	282	78	0	282	78	0	78	78	120	0	ARIDIC
ZAVIA	22.7	26.2	17.9	HYPERTH.	222	138	0	222	138	0	138	138	120	0	USTIC
ZLITEN	23.2	27.2	18.6	HYPERTH.	233	127	0	233	127	0	127	127	120	0	USTIC
ZUARA	21.8	25.7	17.1	THERMIC	231	129	0	231	129	0	129	129	120	0	USTIC

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DATE 12/20/81

LIBYA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR LIBY

LIBYA

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM. WINT	CUM.DAYS COMP.MOI. SUM. WINT
ABIAR-MIGGI	XERIC	154	THERMIC	DRY XERIC	15	139	15	139		
AGHEILA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
AJDABIYAH	ARIDIC	76	HYPERTH.	WEAK ARIDIC	0	76	0	76		
AL JAWF	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
AL MARJ	XERIC	232	THERMIC	DRY XERIC	45	180	52	180		
AN NAWFALIYA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
APOLLONIA	USTIC	188	HYPERTH.	XERIC TEMPUST.	15	173	15	173		
AZIZIA	USTIC	138	HYPERTH.	TYPIC TEMPUST.	15	123	15	123		
BARDIYAH	ARIDIC	71	HYPERTH.	WEAK ARIDIC	0	71	0	71		
BENGHAZI	USTIC	149	HYPERTH.	XERIC TEMPUST.	15	134	15	134		
BENI-ULID	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
BENINA	USTIC	152	HYPERTH.	XERIC TEMPUST.	15	137	15	137		
BIR-EL-GHNEM	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
BU-ARGUB	USTIC	150	HYPERTH.	XERIC TEMPUST.	15	135	15	135		
BU-CHEMMASH	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0		
BU-GHEILAN	USTIC	116	HYPERTH.	XERIC TEMPUST.	0	116	0	116		
DARNAH	XERIC	153	THERMIC	DRY XERIC	15	138	15	138		
EL-ADEM	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0		
EL-ASSA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
FOND-BEN-GAS	USTIC	159	HYPERTH.	XERIC TEMPUST.	15	144	15	144		
FUEHAT	USTIC	148	HYPERTH.	XERIC TEMPUST.	15	133	15	133		
GARABULLI	USTIC	172	HYPERTH.	XERIC TEMPUST.	15	157	15	157		
GHADAMIS	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
GHARYAN	XERIC	175	THERMIC	DRY XERIC	15	160	15	160		
GHERIAT	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
GIADO	USTIC	94	THERMIC	TYPIC TEMPUST.	0	111	0	111		
GIALO	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
GIARABUB	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
GIOSC	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
GUSBAT	XERIC	176	THERMIC	DRY XERIC	15	161	15	161		
HOMS	USTIC	141	HYPERTH.	TYPIC TEMPUST.	15	126	15	126		
HUN	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
JEFREN	XERIC	168	THERMIC	DRY XERIC	15	153	15	153		
MARSA-DILA	XERIC	155	THERMIC	DRY XERIC	15	140	15	140		
MISRATAH	USTIC	137	HYPERTH.	TYPIC TEMPUST.	15	122	15	122		
MIZDA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
NALUT	XERIC	153	THERMIC	DRY XERIC	45	180	50	180		
REGDALIN	ARIDIC	79	THERMIC	WEAK ARIDIC	0	79	0	79		
SABHA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
SABRATHA	ARIDIC	83	HYPERTH.	WEAK ARIDIC	0	83	0	83		
SHAHAT	XERIC	236	THERMIC	DRY XERIC	45	180	56	180		
SIDI-EL-MESR	USTIC	207	HYPERTH.	XERIC TEMPUST.	45	162	45	162		
SORMAN(SALS)	USTIC	131	HYPERTH.	TYPIC TEMPUST.	15	116	15	116		
SULUQ	USTIC	96	HYPERTH.	TYPIC TEMPUST.	0	96	0	96		
SUPT	ARIDIC	75	HYPERTH.	WEAK ARIDIC	0	75	0	75		

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR LIBY

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
TARHUNA	XERIC	161	THERMIC	DRY XERIC	15	146	15	146				
TOCRA	USTIC	152	HYPERTH.	XERIC TEMPUST.	15	137	15	137				
TOLMETA	USTIC	177	HYPERTH.	XERIC TEMPUST.	15	162	15	162				
TRIPOLI	USTIC	208	HYPERTH.	XERIC TEMPUST.	45	163	45	163				
TUBRUQ	ARIDIC	75	HYPERTH.	WEAK ARIDIC	0	75	0	75				
TUMMINA	ARIDIC	78	HYPERTH.	WEAK ARIDIC	0	78	0	78				
ZAVIA	USTIC	138	HYPERTH.	TYPIC TEMPUST.	15	123	15	123				
ZLITEN	USTIC	127	HYPERTH.	TYPIC TEMPUST.	15	112	15	112				
ZUARA	USTIC	129	THERMIC	TYPIC TEMPUST.	15	114	15	114				

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LIBYA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF CUMPUTATION

FOR MALA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
AMBAHIVAHIBE	26.3	27.0	25.0	ISO HYPERTH.	93	78	189	93	78	189	258	258	0	0	USTIC
AMBANJA	28.2	28.8	26.8	ISO HYPERTH.	58	73	229	58	73	229	290	290	0	4	USTIC
AMBATOMAINTY	28.2	28.8	26.2	ISO HYPERTH.	100	59	201	100	59	201	251	251	0	0	USTIC
AMBILOBE	29.4	29.7	28.0	ISO HYPERTH.	127	68	165	127	68	165	233	233	0	0	USTIC
AMBODIFOTOTR	26.9	28.3	25.3	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
AMBOHIBARY	18.9	20.5	16.3	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
AMBOHITSILAO	23.1	24.7	20.8	ISO HYPERTH.	47	107	206	47	107	206	313	313	0	11	USTIC
AMBOSITRA	20.4	22.1	17.9	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
AMBOVOMBE	25.5	27.6	22.8	ISO HYPERTH.	244	116	0	244	116	0	54	54	34	0	ARIDIC
AMPANIHY-OUE	27.2	29.3	24.2	HYPERTH.	272	88	0	272	88	0	29	29	35	0	ARIDIC
AMPASIMPOLAK	26.7	28.9	24.0	ISO HYPERTH.	265	95	0	265	95	0	51	51	37	0	ARIDIC
AMPATAKAMARO	21.9	23.6	19.7	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
AMPOTAKA	26.9	29.1	23.8	HYPERTH.	310	50	0	310	50	0	15	15	35	0	ARIDIC
ANALALAVA MA	29.0	29.1	28.1	ISO HYPERTH.	132	40	188	132	40	188	219	219	0	0	USTIC
ANALAMAZAOTR	21.7	23.5	19.4	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
ANKAVANDRA	29.3	29.9	27.2	ISO HYPERTH.	118	84	158	118	84	158	231	231	0	0	USTIC
ANKAZOABO-SU	26.9	28.4	24.2	ISO HYPERTH.	208	64	88	208	64	88	143	143	0	0	USTIC
ANKAZOBE	22.2	23.3	19.8	ISO HYPERTH.	34	69	257	34	69	257	326	326	0	32	USTIC
ANOSIBE	23.4	25.2	21.2	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
ANTALAHA	26.6	27.7	25.2	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
ANTALAHA MAL	26.0	27.2	24.5	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
ANTANIMORA	26.3	28.3	23.6	ISO HYPERTH.	276	84	0	276	84	0	28	28	33	0	ARIDIC
ANTSIRABE	19.4	21.1	16.6	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
ANTSOHIHY	29.5	29.8	27.7	ISO HYPERTH.	152	59	149	152	59	149	181	181	0	0	USTIC
ARIVONIMAMO	20.3	21.8	17.9	ISO THERMIC	0	75	285	0	75	285	360	360	0	60	UDIC
BEALANANA	22.4	23.4	20.4	ISO HYPERTH.	35	103	222	35	103	222	325	325	0	27	USTIC
BEROROHA	28.5	30.0	25.4	ISO HYPERTH.	212	30	118	212	30	118	139	139	0	0	USTIC
BESALAMPY	29.2	29.7	27.5	ISO HYPERTH.	174	44	142	174	44	142	174	174	0	0	USTIC
BETANIMENA	26.7	28.9	24.2	ISO HYPERTH.	333	27	0	333	27	0	18	18	57	0	ARIDIC
BETIOKY-SUD	27.2	29.0	24.1	ISO HYPERTH.	245	62	53	245	62	53	104	104	31	0	USTIC
BETROKA	24.3	26.1	21.4	ISO HYPERTH.	65	107	188	65	107	188	295	295	0	0	USTIC
DIEGO-SUAREZ	29.5	29.9	28.5	ISO HYPERTH.	189	57	114	189	57	114	171	171	0	0	USTIC
DIEGO-SUAREZ	28.5	29.0	27.4	ISO HYPERTH.	181	61	118	181	61	118	179	179	0	0	USTIC
FARAFANGANA	25.4	27.1	23.4	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
FARATSIHO	19.2	20.3	17.2	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
FENERIVE-EST	26.3	27.8	24.5	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	PERUDIC
FIANARANTSOA	20.9	22.5	18.4	ISO THERMIC	0	36	324	0	36	324	360	360	0	99	UDIC
FORT-DAUPHIN	25.2	26.9	23.3	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
HELL-VILLE	28.5	29.1	27.1	ISO HYPERTH.	23	103	234	23	103	234	327	327	0	9	USTIC
IFANADIANA	23.8	25.5	21.3	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
IHOSY	24.3	25.8	21.5	ISO HYPERTH.	77	111	172	77	111	172	283	283	0	0	USTIC
IVOLUINA	26.3	27.9	24.5	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
KANDREHO	29.1	29.5	27.4	ISO HYPERTH.	128	70	162	128	70	162	232	232	0	0	USTIC
MAEVATANANA	29.9	30.1	28.4	ISO HYPERTH.	146	30	184	146	30	184	214	214	0	0	USTIC
MAHANORO	25.9	27.4	24.1	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC

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MALAGASY

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MALA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
MAINTIRANO	28.3	29.3	26.2	ISO HYPERTH.	166	53	141	166	53	141	183	183	0	0	USTIC
MAINTIRANO M	28.0	28.9	26.1	ISO HYPERTH.	165	52	143	165	52	143	185	185	0	0	USTIC
MAJUNGA	29.5	29.7	28.2	ISO HYPERTH.	146	61	153	146	61	153	214	214	0	0	USTIC
MAJUNGA MALA	29.1	29.5	27.8	ISO HYPERTH.	144	62	154	144	62	154	216	216	0	0	USTIC
MALAIMBANDY	29.0	29.9	26.6	ISO HYPERTH.	141	73	146	141	73	146	194	194	0	0	USTIC
MANAKARA	25.4	27.2	23.5	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MANANARA-NOR	27.0	28.4	25.4	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MANANJARY MA	25.6	27.2	23.6	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MANDRITSARA	27.0	28.3	25.0	ISO HYPERTH.	146	60	154	146	60	154	198	198	0	0	USTIC
MANGINDRANO	22.5	23.7	20.3	ISO HYPERTH.	0	93	267	0	93	267	360	360	0	72	USTIC
MANTASOA	19.2	21.0	16.6	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
MAROANTSETRA	26.3	27.8	24.5	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MAROLAMBO	24.9	26.7	22.7	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MAROTANDRANO	26.0	27.2	24.0	ISO HYPERTH.	117	78	165	117	78	165	224	224	0	0	USTIC
MAROVOAY-MAD	29.6	30.1	27.8	ISO HYPERTH.	153	50	157	153	50	157	192	192	0	0	USTIC
MIANDRIVAZO	29.8	30.3	27.6	ISO HYPERTH.	137	77	146	137	77	146	216	216	0	0	USTIC
MIDONGY-DU-S	23.2	25.0	20.6	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MORAFENOBE	28.7	29.2	26.9	ISO HYPERTH.	114	53	193	114	53	193	235	235	0	0	USTIC
MORAMANGA	21.9	23.8	19.5	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
MOROMBE	27.2	29.3	24.9	ISO HYPERTH.	286	37	37	286	37	37	45	45	30	0	ARIDIC
MORONDAVA	27.4	29.1	24.9	ISO HYPERTH.	171	83	106	171	83	106	189	189	0	0	USTIC
NAHAMPOANA	25.2	27.0	23.0	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	PERUDIC
NANISANA	20.8	22.6	18.3	ISO THERMIC	0	83	277	0	83	277	360	360	0	52	UDIC
NANOKELY	16.4	17.7	14.0	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
NOSY-VARIKA	26.0	27.6	24.2	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
PORT-BERGE	29.1	29.9	26.9	ISO HYPERTH.	149	63	148	149	63	148	185	185	0	0	USTIC
SOALALA	29.2	29.8	27.6	ISO HYPERTH.	178	38	144	178	38	144	175	175	0	0	USTIC
SOANIERANA-I	26.2	27.6	24.6	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	PERUDIC
SOAVINANDRIA	20.0	21.0	18.0	ISO THERMIC	0	16	344	0	16	344	360	360	0	89	UDIC
TAMATAVE MAL	26.1	27.7	24.3	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
TAMBOHORANO	28.5	29.6	26.7	ISO HYPERTH.	178	42	140	178	42	140	182	182	0	0	USTIC
TANANARIVE M	19.3	20.7	16.9	ISO THERMIC	0	72	288	0	72	288	360	360	0	63	UDIC
TSARATANANA	27.6	28.1	25.9	ISO HYPERTH.	116	76	168	116	76	168	244	244	0	0	USTIC
TSIHOMBE	26.6	28.9	23.7	HYPERTH.	304	56	0	304	56	0	19	19	35	0	ARIDIC
TSIMBAZAZA	21.3	23.0	18.7	ISO THERMIC	0	78	282	0	78	282	360	360	0	57	UDIC
TSINJOARIVO	18.6	20.1	16.1	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
TSIROANOMAND	24.9	25.7	22.7	ISO HYPERTH.	47	69	244	47	69	244	299	299	0	19	USTIC
TSIVORY	25.5	27.6	22.3	HYPERTH.	51	105	204	51	105	204	309	309	0	9	USTIC
TULEAR	26.3	28.5	23.9	ISO HYPERTH.	337	23	0	337	23	0	12	12	63	0	ARIDIC
TULEAR MALAG	26.3	28.3	23.8	ISO HYPERTH.	328	32	0	328	32	0	13	13	62	0	ARIDIC
VATOMANDRY	26.1	27.7	24.5	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
VOHEMAR	28.0	29.0	26.6	ISO HYPERTH.	0	19	341	0	19	341	360	360	0	120	UDIC

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MALAGASY

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MALA

MALAGASY

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
AMBAHIVAHIBE	USTIC	258	ISO HYPERTH.	TYPIC TROPUST.	180	63	180	87				
AMBANJA	USTIC	290	ISO HYPERTH.	UDIC TROPUST.	180	65	180	122				
AMBATOMAINTY	USTIC	251	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	80				
AMBILOBE	USTIC	233	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	53				
AMBODIFOTOTR	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
AMBOHIBARY	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
AMBOHITSILAO	USTIC	313	ISO HYPERTH.	UDIC TROPUST.	180	88	180	133				
AMBOSITRA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
AMBOVOMBE	ARIDIC	54	ISO HYPERTH.	WEAK ARIDIC	19	39	62	54				
AMPANIHY-OUE	ARIDIC	29	HYPERTH.	TYPIC ARIDIC	29	15	65	23				
AMPASIMPOLAK	ARIDIC	51	ISO HYPERTH.	WEAK ARIDIC	15	36	47	48				
AMPATAKAMARO	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
AMPOTAKA	ARIDIC	15	HYPERTH.	TYPIC ARIDIC	15	13	37	13				
ANALALAVA MA	USTIC	219	ISO HYPERTH.	TYPIC TROPUST.	174	45	174	54				
ANALAMAZAOTR	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
ANKAVANDRA	USTIC	231	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	62				
ANKAZOABO-SU	USTIC	143	ISO HYPERTH.	ARIDIC TROPUST.	128	15	128	24				
ANKAZOBE	USTIC	326	ISO HYPERTH.	UDIC TROPUST.	180	101	180	146				
ANOSIBE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
ANTALAHA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
ANTALAHA MAL	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
ANTANIMORA	ARIDIC	28	ISO HYPERTH.	TYPIC ARIDIC	28	15	61	23				
ANTSIRABE	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
ANTSOHIHY	USTIC	181	ISO HYPERTH.	TYPIC TROPUST.	166	27	166	42				
ARIVONIMAMO	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	60	180	105
BEALANANA	USTIC	325	ISO HYPERTH.	UDIC TROPUST.	180	100	180	145				
BEROROHA	USTIC	139	ISO HYPERTH.	ARIDIC TROPUST.	124	15	124	24				
BESALAMPY	USTIC	174	ISO HYPERTH.	ARIDIC TROPUST.	159	15	159	27				
BETANIMENA	ARIDIC	18	ISO HYPERTH.	TYPIC ARIDIC	18	0	27	0				
BETICKY-SUD	USTIC	104	ISO HYPERTH.	ARIDIC TROPUST.	89	15	89	26				
BETROKA	USTIC	295	ISO HYPERTH.	UDIC TROPUST.	180	70	180	115				
DIEGO-SUAREZ	USTIC	171	ISO HYPERTH.	ARIDIC TROPUST.	156	15	156	15				
DIEGO-SUAREZ	USTIC	179	ISO HYPERTH.	ARIDIC TROPUST.	164	15	164	15				
FARAFANGANA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
FARATSIHO	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
FENERIVE-EST	PERUDIC	360	ISO HYPERTH.	PERUDIC					180	180	180	180
FIANARANTSOA	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	99	180	144
FORT-DAUPHIN	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
HELL-VILLE	USTIC	327	ISO HYPERTH.	UDIC TROPUST.	180	75	180	157				
IFANADIANA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
IHOSY	USTIC	283	ISO HYPERTH.	UDIC TROPUST.	180	58	180	103				
IVOLOINA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
KANDREHO	USTIC	232	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	52				
MAEVATANANA	USTIC	214	ISO HYPERTH.	TYPIC TROPUST.	169	45	169	45				
MAHANORO	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180

COMPUTED BY FORTRAN PROGRAM VW08, APR 1981

DATE 11/22/81

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MALA

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
MAINTIRANO	USTIC	183	ISO HYPERTH.	TYPIC TROPUST.	168	15	168	26				
MAINTIRANO M	USTIC	185	ISO HYPERTH.	TYPIC TROPUST.	170	15	170	25				
MAJUNGA	USTIC	214	ISO HYPERTH.	TYPIC TROPUST.	169	45	169	45				
MAJUNGA MALA	USTIC	216	ISO HYPERTH.	TYPIC TROPUST.	171	45	171	45				
MALAIMBANDY	USTIC	194	ISO HYPERTH.	TYPIC TROPUST.	179	17	179	40				
MANAKARA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
MANANARA-NCR	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
MANANJARY MA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
MANDRITSARA	USTIC	198	ISO HYPERTH.	TYPIC TROPUST.	180	16	180	34				
MANGINDRANO	USTIC	360	ISO HYPERTH.	UDIC TROPUST.					180	72	180	87
MANTASOA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
MAROANTSETRA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
MAROLAMBO	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
MAROTANDRANO	USTIC	224	ISO HYPERTH.	TYPIC TROPUST.	180	29	180	63				
MAROVOAY-MAD	USTIC	192	ISO HYPERTH.	TYPIC TROPUST.	177	15	177	30				
MIANDRIVAZO	USTIC	216	ISO HYPERTH.	TYPIC TROPUST.	171	45	171	52				
MIDONGY-DU-S	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
MORAFENOBE	USTIC	235	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	66				
MORAMANGA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
MOROMBE	ARIDIC	45	ISO HYPERTH.	TYPIC ARIDIC	45	11	63	11				
MORONDAVA	USTIC	189	ISO HYPERTH.	TYPIC TROPUST.	174	15	174	15				
NAHAMPOANA	PERUDIC	360	ISO HYPERTH.	PERUDIC					180	180	180	180
NANISANA	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	52	180	97
NANOKELY	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
NOSY-VARIKA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
PORT-BERGE	USTIC	185	ISO HYPERTH.	TYPIC TROPUST.	170	26	170	41				
SOALALA	USTIC	175	ISO HYPERTH.	ARIDIC TROPUST.	160	15	160	22				
SOANIERANA-I	PERUDIC	360	ISO HYPERTH.	PERUDIC					180	180	180	180
SOAVINANDRIA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	89	180	164
TAMATAVE MAL	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
TAMBOHORANO	USTIC	182	ISO HYPERTH.	TYPIC TROPUST.	167	15	167	15				
TANANARIVE M	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	63	180	108
TSARATANANA	USTIC	244	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	64				
TSIHOMBE	ARIDIC	19	HYPERTH.	TYPIC ARIDIC	19	15	41	15				
TSIMBAZAZA	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	57	180	102
TSINJOARIVO	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
TSIROANOMAND	USTIC	299	ISO HYPERTH.	UDIC TROPUST.	180	74	180	133				
TSIVORY	USTIC	309	HYPERTH.	TYPIC TEMPUST.	180	84	180	129				
TULEAR	ARIDIC	12	ISO HYPERTH.	TYPIC ARIDIC	12	0	23	0				
TULEAR MALAG	ARIDIC	13	ISO HYPERTH.	TYPIC ARIDIC	13	8	24	8				
VATOMANDRY	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
VOHEMAR	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	121	180	161

COMPUTED BY FORTRAN PROGRAM VW08, APR 1981

DATE 11/22/81

MALAGASY

MALAWI

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MALW

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BVUMBWE	21.7	22.7	19.2	ISO THERMIC	0	61	299	0	61	299	360	360	0	74	UDIC
CHIKWAWA	28.0	29.3	24.8	ISO HYPERTH.	158	97	105	158	97	105	192	192	0	0	USTIC
CHILEKA	24.9	25.7	22.3	ISO HYPERTH.	85	85	190	85	85	190	253	253	0	0	USTIC
CHIRIMBA	23.7	24.5	21.1	ISO HYPERTH.	56	86	218	56	86	218	304	304	0	23	USTIC
CHITALA	25.7	26.6	22.9	ISO HYPERTH.	122	92	146	122	92	146	238	238	0	0	USTIC
CHITEDZE-RES	22.6	23.6	19.8	ISO HYPERTH.	61	93	206	61	93	206	299	299	0	11	USTIC
FORT-JOHNSTO	26.7	27.4	24.0	ISO HYPERTH.	138	91	131	138	91	131	222	222	0	0	USTIC
KARONGA	26.9	27.6	24.7	ISO HYPERTH.	103	78	179	103	78	179	257	257	0	14	USTIC
KOTA-KOTA	26.3	26.8	23.9	ISO HYPERTH.	80	54	226	80	54	226	270	270	0	31	USTIC
LIKOMA-ISLAN	27.9	27.9	26.0	ISO HYPERTH.	163	40	157	163	40	157	197	197	0	0	USTIC
LILONGWE	22.4	23.6	19.3	ISO HYPERTH.	59	115	186	59	115	186	280	280	0	21	USTIC
LILONGWE MAL	22.0	22.9	19.1	ISO THERMIC	52	92	216	52	92	216	308	308	0	21	USTIC
MAKANGA	27.8	29.1	24.6	ISO HYPERTH.	207	30	123	207	30	123	138	138	0	0	USTIC
MASAMBANJATI	22.6	23.6	20.0	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MLANJE	24.1	25.4	21.1	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MZIMBA	22.2	22.7	19.7	ISO HYPERTH.	69	80	211	69	80	211	271	271	0	16	USTIC
MZUZU	21.1	22.1	18.3	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
NCHENACHEMA	22.3	23.1	20.0	ISO HYPERTH.	36	61	263	36	61	263	312	312	0	68	USTIC
NCHEU	22.2	22.7	19.8	ISO HYPERTH.	53	86	221	53	86	221	307	307	0	26	USTIC
PORT-HERALD	28.3	29.5	25.2	ISO HYPERTH.	162	62	136	162	62	136	176	176	0	0	USTIC
TIWI/NYASSAL	21.5	22.6	18.6	ISO THERMIC	37	85	238	37	85	238	323	323	0	43	USTIC
ZOMBWE	22.4	23.4	19.6	ISO HYPERTH.	81	91	188	81	91	188	279	279	0	23	USTIC

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FOR MALW

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BVUMBWE	UDIC	360	ISC THERMIC	DRY TROPUDIC					180	74	180	119
CHIKWAWA	USTIC	192	ISO HYPERTH.	TYPIC TROPUST.	177	15	177	25				
CHILEKA	USTIC	253	ISO HYPERTH.	TYPIC TROPUST.	180	58	180	95				
CHIRIMBA	USTIC	304	ISO HYPERTH.	UDIC TROPUST.	180	79	180	124				
CHITALA	USTIC	238	ISO HYPERTH.	TYPIC TROPUST.	180	43	180	58				
CHITEDZE-RES	USTIC	299	ISO HYPERTH.	UDIC TROPUST.	180	74	180	119				
FORT-JOHNSTO	USTIC	222	ISO HYPERTH.	TYPIC TROPUST.	180	27	180	42				
KARONGA	USTIC	257	ISO HYPERTH.	TYPIC TROPUST.	180	62	180	77				
KOTA-KOTA	USTIC	270	ISO HYPERTH.	UDIC TROPUST.	180	75	180	100				
LIKOMA-ISLAN	USTIC	197	ISO HYPERTH.	TYPIC TROPUST.	180	15	180	17				
LILONGWE	USTIC	280	ISO HYPERTH.	UDIC TROPUST.	180	85	180	121				
LILONGWE MAL	USTIC	308	ISO THERMIC	UDIC TROPUST.	180	83	180	128				
MAKANGA	USTIC	138	ISO HYPERTH.	ARIDIC TROPUST.	123	15	123	30				
MASAMBANJATI	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
MLANJE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
MZIMBA	USTIC	271	ISO HYPERTH.	UDIC TROPUST.	180	76	180	111				
MZUZU	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
NCHENACHEMA	USTIC	312	ISO HYPERTH.	UDIC TROPUST.	180	117	180	144				
NCHEU	USTIC	307	ISO HYPERTH.	UDIC TROPUST.	180	82	180	127				
PORT-HERALD	USTIC	176	ISO HYPERTH.	ARIDIC TROPUST.	161	22	161	37				
TIWI/NYASSAL	USTIC	323	ISO THERMIC	UDIC TROPUST.	180	98	180	143				
ZOMBWE	USTIC	279	ISO HYPERTH.	UDIC TROPUST.	180	84	180	99				

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MALAWI

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MALI

MALI

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ARAOUAN	31.1	34.9	24.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BAMAKO	30.3	29.4	28.7	ISO HYPERTH.	168	69	123	168	69	123	183	183	0	0	USTIC
BAMAKO MALI	30.6	29.7	29.0	ISO HYPERTH.	174	68	118	174	68	118	179	179	0	0	USTIC
BOUGOUNI	29.5	28.5	28.3	ISO HYPERTH.	147	49	164	147	49	164	198	198	0	0	USTIC
GAO	31.6	32.7	27.3	HYPERTH.	329	31	0	329	31	0	22	22	53	0	ARIDIC
HOMBORI	32.2	32.2	28.8	ISO HYPERTH.	299	35	26	299	35	26	41	41	34	0	ARIDIC
KAYES MALI	32.0	31.4	29.4	ISO HYPERTH.	213	37	110	213	37	110	133	133	15	0	USTIC
KENIEBA	30.6	29.8	29.2	ISO HYPERTH.	154	69	137	154	69	137	200	200	0	0	USTIC
KOUTIALA MAL	29.8	29.1	27.3	ISO HYPERTH.	169	73	118	169	73	118	183	183	0	0	USTIC
MENAKA MALI	32.4	33.2	28.2	ISO HYPERTH.	333	27	0	333	27	0	18	18	57	0	ARIDIC
MOPTI MALI	30.4	30.5	27.1	ISO HYPERTH.	253	21	86	253	21	86	101	101	15	0	USTIC
NIORO DU SAH	31.1	31.6	27.5	ISO HYPERTH.	245	21	94	245	21	94	107	107	15	0	USTIC
SAN MALI	30.7	30.2	27.8	ISO HYPERTH.	224	34	102	224	34	102	122	122	15	0	USTIC
SEGOU	30.3	29.7	27.8	ISO HYPERTH.	218	38	104	218	38	104	129	129	15	0	USTIC
SIKASSO MALI	29.8	28.9	27.9	ISO HYPERTH.	132	64	164	132	64	164	201	201	0	0	USTIC
TESSALIT	31.1	34.5	25.7	HYPERTH.	355	5	0	355	5	0	5	5	70	0	ARIDIC
TOMBOUCTOU M	31.8	32.7	27.4	HYPERTH.	337	23	0	337	23	0	15	15	60	0	ARIDIC
TOUKOTO	30.3	30.0	27.4	ISO HYPERTH.	174	69	117	174	69	117	186	186	0	0	USTIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MALI

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ARAOUAN	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
BAMAKO	USTIC	183	ISO HYPERTH.	TYPIC TROPUST.	168	15	168	24				
BAMAKO MALI	USTIC	179	ISO HYPERTH.	ARIDIC TROPUST.	164	15	164	22				
BOUGOUNI	USTIC	198	ISO HYPERTH.	TYPIC TROPUST.	180	15	180	33				
GAO	ARIDIC	22	HYPERTH.	TYPIC ARIDIC	22	0	31	0				
HOMBORI	ARIDIC	41	ISO HYPERTH.	TYPIC ARIDIC	41	0	61	0				
KAYES MALI	USTIC	133	ISO HYPERTH.	ARIDIC TROPUST.	133	14	133	14				
KENIEBA	USTIC	200	ISO HYPERTH.	TYPIC TROPUST.	180	15	180	26				
KOUTIALA MAL	USTIC	183	ISO HYPERTH.	TYPIC TROPUST.	168	15	168	23				
MENAKA MALI	ARIDIC	18	ISO HYPERTH.	TYPIC ARIDIC	18	0	27	0				
MOPTI MALI	USTIC	101	ISO HYPERTH.	ARIDIC TROPUST.	101	6	101	6				
NIORO DU SAH	USTIC	107	ISO HYPERTH.	ARIDIC TROPUST.	107	8	107	8				
SAN MALI	USTIC	122	ISO HYPERTH.	ARIDIC TROPUST.	122	14	122	14				
SEGOU	USTIC	129	ISO HYPERTH.	ARIDIC TROPUST.	129	13	129	13				
SIKASSO MALI	USTIC	201	ISO HYPERTH.	TYPIC TROPUST.	180	27	180	48				
TESSALIT	ARIDIC	5	HYPERTH.	TYPIC ARIDIC	5	0	5	0				
TOMBOUCTOU M	ARIDIC	15	HYPERTH.	TYPIC ARIDIC	15	0	23	0				
TOUKOTO	USTIC	186	ISO HYPERTH.	TYPIC TROPUST.	171	15	171	15				

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MALI

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MAUR

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
AKJOUJT	31.0	33.9	26.3	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ATAR	30.3	34.2	25.1	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BOUTILIMIT	30.6	32.0	26.7	HYPERTH.	350	10	0	350	10	0	10	10	65	0	ARIDIC
FORT-GOURAUD	28.7	32.8	23.7	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
NE A	32.5	33.2	28.5	ISO HYPERTH.	329	31	0	329	31	0	17	17	38	0	ARIDIC
NOUAKCHOTT	28.3	29.4	25.2	ISO HYPERTH.	352	8	0	352	8	0	8	8	67	0	ARIDIC
PORT-ETIENNE	24.2	24.9	22.3	ISO HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ROSSO	29.8	31.0	26.7	ISO HYPERTH.	319	41	0	319	41	0	28	28	45	0	ARIDIC

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MAURITANIA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MAUR

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM. WINT	CUM.DAYS COMP.MOI. SUM. WINT
AKJOUJT	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
ATAR	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
BOUTILIMIT	ARIDIC	10	HYPERTH.	TYPIC ARIDIC	10	0	10	0		
FORT-GOURAUD	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0		
NEMA	ARIDIC	17	ISO HYPERTH.	TYPIC ARIDIC	17	0	31	0		
NOUAKCHOTT	ARIDIC	8	ISO HYPERTH.	TYPIC ARIDIC	8	0	8	0		
PORT-ETIENNE	ARIDIC	0	ISO HYPERTH.	EXTREME ARIDIC	0	0	0	0		
ROSSO	ARIDIC	28	ISO HYPERTH.	TYPIC ARIDIC	28	0	41	0		

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MAURITANIA

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MORO

MOROCCO

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
AGADIR	21.3	23.2	18.5	ISO THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
AGADIR MOROC	21.1	23.1	18.2	ISO THERMIC	284	76	0	284	76	0	76	76	120	0	ARIDIC
ALCAZARQUIVI	21.0	25.0	16.4	THERMIC	90	84	186	90	84	186	270	270	90	120	XERIC
ALI-TELAT	20.0	24.5	16.1	THERMIC	115	54	191	115	54	191	245	245	100	120	XERIC
ARCILA	20.2	23.5	16.8	THERMIC	115	57	188	115	57	188	245	245	100	120	XERIC
AZILAL	18.2	24.0	13.7	THERMIC	106	53	201	106	53	201	254	178	91	120	XERIC
AZROU	17.5	23.3	13.0	THERMIC	69	54	237	69	54	237	291	152	69	120	XERIC
BAB-TAZZA	17.9	22.8	13.3	THERMIC	69	54	237	69	54	237	291	169	69	120	XERIC
BAB-BERRET	15.6	21.5	10.8	THERMIC	79	55	226	79	55	226	281	126	79	120	XERIC
BEN-KARRICH	21.2	25.3	17.2	THERMIC	122	54	184	122	54	184	238	238	107	120	XERIC
BEN-TIEB	20.0	24.6	15.8	THERMIC	209	70	81	209	70	81	151	151	120	45	XERIC
BENNOUR	20.7	25.1	16.7	THERMIC	164	128	68	164	128	68	196	196	120	45	XERIC
BERKANE	20.7	25.3	16.6	THERMIC	189	171	0	189	171	0	171	171	120	0	USTIC
BERRECHID	20.0	23.9	16.0	THERMIC	143	77	140	143	77	140	217	217	120	105	XERIC
BOU-DENIB	21.8	28.8	15.6	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
BOUAFRA	20.0	26.6	13.8	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
CABO-DE-AGUA	20.4	23.7	16.8	THERMIC	214	146	0	214	146	0	146	146	120	0	USTIC
CASABLANCA M	20.1	22.9	17.0	THERMIC	129	82	149	129	82	149	231	231	114	105	XERIC
CEUTA	19.6	22.6	16.5	THERMIC	111	58	191	111	58	191	249	249	96	120	XERIC
CHAIB-TARQUI	17.2	21.7	12.9	THERMIC	157	46	157	157	46	157	203	129	112	105	XERIC
CHAUEN	19.1	24.1	15.1	THERMIC	80	52	228	80	52	228	280	280	80	120	XERIC
CHICHAOUA	21.1	25.9	16.2	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
DAR-CHAUI	20.2	24.1	16.4	THERMIC	84	85	191	84	85	191	276	276	84	120	XERIC
DAR-DRIUS	19.7	23.8	15.7	THERMIC	277	83	0	277	83	0	83	83	120	0	ARIDIC
EINZOREM	20.1	24.0	16.5	THERMIC	228	132	0	228	132	0	132	132	120	0	USTIC
EL-KELAA	21.7	27.1	16.8	THERMIC	249	111	0	249	111	0	111	111	120	0	USTIC
FES	20.1	25.5	15.4	THERMIC	115	51	194	115	51	194	245	245	100	120	XERIC
FONDAK	20.1	23.5	16.4	THERMIC	111	53	196	111	53	196	249	249	96	120	XERIC
GUERCIF	21.2	26.9	16.2	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
IFRANE	13.3	19.2	8.2	MESIC	47	49	264	47	49	165	313	135	47	120	XERIC
JEMIS-ANYERA	20.9	25.1	16.9	THERMIC	118	53	189	118	53	189	242	242	103	120	XERIC
KASBA-TADLA	22.3	28.2	17.3	HYPERTH.	137	79	144	137	79	144	223	223	120	105	USTIC
KHOURIBGA	19.8	25.0	15.5	THERMIC	130	49	181	130	49	181	230	230	115	120	XERIC
KSAR-ES-SOUK	21.8	29.2	16.1	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
LARACHE	21.3	24.8	17.2	THERMIC	126	58	176	126	58	176	234	234	111	120	XERIC
LLANO-AMARIL	13.7	18.5	9.4	MESIC	53	62	245	53	62	174	307	134	53	120	XERIC
MALALIEN	19.9	23.8	16.4	THERMIC	115	56	189	115	56	189	245	245	100	120	XERIC
MARCHAND	19.8	24.8	15.3	THERMIC	123	60	177	123	60	177	237	237	108	120	XERIC
MARRAKECH MO	22.4	27.4	17.4	HYPERTH.	272	88	0	272	88	0	88	88	120	0	ARIDIC
MAZAGAN	19.7	22.7	16.7	THERMIC	165	195	0	165	195	0	195	195	120	0	USTIC
MEKNES	19.2	24.0	15.1	THERMIC	78	84	198	78	84	198	282	282	78	120	XERIC
MEKNES MOROC	19.6	24.4	15.3	THERMIC	83	82	195	83	82	195	277	277	83	120	XERIC
MELILLA	20.8	24.7	17.3	THERMIC	142	78	140	142	78	140	218	218	120	105	XERIC
MELUSA	20.3	24.3	16.3	THERMIC	85	65	210	85	65	210	275	275	85	120	XERIC
MEXERAH	20.9	26.0	15.9	THERMIC	90	51	219	90	51	219	270	270	90	120	XERIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MORO

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
MIDELT	16.9	22.8	11.9	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
MOGADOR	19.2	20.5	17.3	ISO THERMIC	214	146	0	214	146	0	146	146	120	0	USTIC
MONTE-ARRUIT	20.0	24.0	16.3	THERMIC	225	135	0	225	135	0	135	135	120	0	USTIC
OUARZAZATE	22.0	28.5	16.3	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
OUARZAZATE M	21.6	27.9	15.7	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
OUED-ZEM	20.7	26.9	15.9	THERMIC	133	80	147	133	80	147	227	227	118	105	XERIC
OUJDA	19.2	24.3	14.5	THERMIC	175	75	110	175	75	110	185	185	120	75	XERIC
OURAT-OULAD	18.0	23.2	12.6	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
PETIT-JEAN	21.7	26.8	17.5	THERMIC	126	49	185	126	49	185	234	234	111	120	XERIC
PORT-LYAUTEY	20.1	23.9	16.2	THERMIC	82	56	222	82	56	222	278	278	82	120	XERIC
PUERTO-CAPAZ	21.0	24.3	17.8	THERMIC	198	162	0	198	162	0	162	162	120	0	USTIC
PUNTA-NADOR	20.1	22.7	16.9	THERMIC	113	59	188	113	59	188	247	247	98	120	XERIC
R,GAIA	20.8	24.7	17.0	THERMIC	117	53	190	117	53	190	243	243	102	120	XERIC
RABAT	19.8	22.8	16.8	THERMIC	76	88	196	76	88	196	284	284	76	120	XERIC
RINCORN-MEDI	19.8	23.5	16.4	THERMIC	114	55	191	114	55	191	246	246	99	120	XERIC
RIO-MARTIN	20.9	24.3	17.9	THERMIC	118	57	185	118	57	185	242	242	103	120	XERIC
SAFI	21.8	25.2	18.4	THERMIC	175	185	0	175	185	0	185	185	120	0	USTIC
SETTAT	19.6	24.0	15.6	THERMIC	133	79	148	133	79	148	227	227	118	105	XERIC
SIDI-ALI	20.1	24.9	15.4	THERMIC	85	75	200	85	75	200	275	275	85	120	XERIC
SIDI-IFNI	21.1	22.1	19.1	ISO THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
SLIMANE	21.1	25.6	16.6	THERMIC	128	50	182	128	50	182	232	232	113	120	XERIC
SOUK-EL-ARBA	20.3	24.8	16.0	THERMIC	84	63	213	84	63	213	276	276	84	120	XERIC
TAATOF	21.3	24.7	17.6	THERMIC	85	83	192	85	83	192	275	275	85	120	XERIC
TALAMBOT	18.7	23.0	14.6	THERMIC	109	55	196	109	55	196	251	251	94	120	XERIC
TANGER	19.9	23.3	16.8	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
TARROUDANT	22.7	25.9	18.9	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
TAZA	20.1	26.2	15.1	THERMIC	87	67	206	87	67	206	273	273	87	120	XERIC
TETUAN	21.1	24.8	17.7	THERMIC	117	55	188	117	55	188	243	243	102	120	XERIC
TIFLET	20.6	25.2	16.5	THERMIC	86	82	192	86	82	192	274	274	86	120	XERIC
TIZNIT	21.9	24.9	18.9	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
TOUAHAR	20.3	26.1	15.4	THERMIC	115	50	195	115	50	195	245	245	100	120	XERIC
TZELATA-BENI	19.9	24.6	15.6	THERMIC	84	61	215	84	61	215	276	276	84	120	XERIC
TZELATA-RAIX	19.9	24.0	16.0	THERMIC	113	54	193	113	54	193	247	247	98	120	XERIC
TZENIN-SIDI	20.1	23.9	16.2	THERMIC	84	79	197	84	79	197	276	276	84	120	XERIC
UAD-LAU	19.9	23.2	16.8	THERMIC	118	87	155	118	87	155	242	242	103	105	XERIC
VILLA-NADOR	20.5	24.7	17.2	THERMIC	220	140	0	220	140	0	140	140	120	0	USTIC
VILLA-SANJUR	20.9	24.4	17.6	THERMIC	195	165	0	195	165	0	165	165	120	0	USTIC
VILLA-CISNER	22.8	23.6	21.3	ISO HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ZAGORA	25.6	32.7	19.3	HYPERTH.	116	47	197	116	47	197	244	244	105	120	USTIC
ZAIO	22.9	27.7	18.4	HYPERTH.	217	97	46	217	97	46	143	143	120	15	USTIC
ZOCO-ARBAA	18.4	23.1	14.2	THERMIC	107	47	206	107	47	206	253	253	92	120	XERIC
ZOCO-SEBT	21.1	25.2	16.6	THERMIC	86	75	199	86	75	199	274	274	86	120	XERIC

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MOROCCO

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MORD

MOROCCO

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
AGADIR	ARIDIC	0	ISO THERMIC	EXTREME ARIDIC	0	0	0	0				
AGADIR MOROC	ARIDIC	76	ISO THERMIC	WEAK ARIDIC	0	76	0	76				
ALCAZARQUIVI	XERIC	270	THERMIC	TYPIC XERIC	75	180	90	180				
ALI-TELAT	XERIC	245	THERMIC	DRY XERIC	45	180	65	180				
ARCILA	XERIC	245	THERMIC	DRY XERIC	45	180	65	180				
AZILAL	XERIC	178	THERMIC	DRY XERIC	45	180	74	180				
AZROU	XERIC	152	THERMIC	TYPIC XERIC	75	180	111	180				
BAB-TAZZA	XERIC	169	THERMIC	TYPIC XERIC	75	180	111	180				
BAB-BERRET	XERIC	126	THERMIC	TYPIC XERIC	75	180	101	180				
BEN-KARRICH	XERIC	238	THERMIC	DRY XERIC	45	180	58	180				
BEN-TIEB	XERIC	151	THERMIC	DRY XERIC	0	151	0	151				
BENNOUR	XERIC	196	THERMIC	DRY XERIC	45	151	45	151				
BERKANE	USTIC	171	THERMIC	TYPIC TEMPUST.	15	156	15	156				
BERRECHID	XERIC	217	THERMIC	DRY XERIC	45	172	45	172				
BOU-DENIB	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
BOUAFRA	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
CABO-DE-AGUA	USTIC	146	THERMIC	TYPIC TEMPUST.	0	146	0	146				
CASABLANCA M	XERIC	231	THERMIC	DRY XERIC	45	180	51	180				
CEUTA	XERIC	249	THERMIC	DRY XERIC	45	180	69	180				
CHAIB-TARQUI	XERIC	129	THERMIC	DRY XERIC	15	180	23	180				
CHAUEN	XERIC	280	THERMIC	TYPIC XERIC	75	180	100	180				
CHICHAOUA	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
DAR-CHAUI	XERIC	276	THERMIC	TYPIC XERIC	75	180	96	180				
DAR-DRIUS	ARIDIC	83	THERMIC	WEAK ARIDIC	0	83	0	83				
EINZOREM	USTIC	132	THERMIC	TYPIC TEMPUST.	0	132	0	132				
EL-KELAA	USTIC	111	THERMIC	TYPIC TEMPUST.	0	111	0	111				
FES	XERIC	245	THERMIC	DRY XERIC	45	180	65	180				
FONDAK	XERIC	249	THERMIC	DRY XERIC	45	180	69	180				
GUERCIF	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
IFRANE	XERIC	135	MESIC	TYPIC XERIC	75	180	133	180				
JEMIS-ANYERA	XERIC	242	THERMIC	DRY XERIC	45	180	62	180				
KASBA-TADLA	USTIC	223	HYPERTH.	XERIC TEMPUST.	45	178	45	178				
KHOURIBGA	XERIC	230	THERMIC	DRY XERIC	45	180	50	180				
KSAR-ES-SOUK	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
LARACHE	XERIC	234	THERMIC	DRY XERIC	45	180	54	180				
LLANO-AMARIL	XERIC	134	MESIC	TYPIC XERIC	75	180	127	180				
MALALIEN	XERIC	245	THERMIC	DRY XERIC	45	180	65	180				
MARCHAND	XERIC	237	THERMIC	DRY XERIC	45	180	57	180				
MARRAKECH MO	ARIDIC	88	HYPERTH.	WEAK ARIDIC	0	88	0	88				
MAZAGAN	USTIC	195	THERMIC	TYPIC TEMPUST.	45	150	45	150				
MEKNES	XERIC	282	THERMIC	TYPIC XERIC	75	180	102	180				
MEKNES MOROC	XERIC	277	THERMIC	TYPIC XERIC	75	180	97	180				
MELILLA	XERIC	218	THERMIC	DRY XERIC	45	173	45	173				
MELUSA	XERIC	275	THERMIC	TYPIC XERIC	75	180	95	180				
MEXERAH	XERIC	270	THERMIC	TYPIC XERIC	75	180	90	180				

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DATE 02/17/82

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MORO

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8		TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
MIDELT	ARIDIC	0		THERMIC	EXTREME ARIDIC	0	0	0	0				
MOGADOR	USTIC	146	ISO	THERMIC	ARIDIC TROPUST.	45	101	45	101				
MONTE-ARRUIT	USTIC	135		THERMIC	TYPIC TEMPUST.	0	135	0	135				
OUARZAZATE	ARIDIC	0		HYPERTH.	EXTREME ARIDIC	0	0	0	0				
OUARZAZATE M	ARIDIC	0		THERMIC	EXTREME ARIDIC	0	0	0	0				
OUED-ZEM	XERIC	227		THERMIC	DRY XERIC	45	180	47	180				
OUJDA	XERIC	185		THERMIC	DRY XERIC	15	170	15	170				
OURAT-OULAD	ARIDIC	0		THERMIC	EXTREME ARIDIC	0	0	0	0				
PETIT-JEAN	XERIC	234		THERMIC	DRY XERIC	45	180	54	180				
PORT-LYAUTEY	XERIC	278		THERMIC	TYPIC XERIC	75	180	98	180				
PUERTO-CAPAZ	USTIC	162		THERMIC	TYPIC TEMPUST.	15	147	15	147				
PUNTA-NADOR	XERIC	247		THERMIC	DRY XERIC	45	180	67	180				
R,GAIA	XERIC	243		THERMIC	DRY XERIC	45	180	63	180				
RABAT	XERIC	284		THERMIC	TYPIC XERIC	75	180	104	180				
RINCORN-MEDI	XERIC	246		THERMIC	DRY XERIC	45	180	66	180				
RIO-MARTIN	XERIC	242		THERMIC	DRY XERIC	45	180	62	180				
SAFI	USTIC	185		THERMIC	TYPIC TEMPUST.	45	140	45	140				
SETTAT	XERIC	227		THERMIC	DRY XERIC	45	180	47	180				
SIDI-ALI	XERIC	275		THERMIC	TYPIC XERIC	75	180	95	180				
SIDI-IFNI	ARIDIC	0	ISO	THERMIC	EXTREME ARIDIC	0	0	0	0				
SLIMANE	XERIC	232		THERMIC	DRY XERIC	45	180	52	180				
SOUK-EL-ARBA	XERIC	276		THERMIC	TYPIC XERIC	75	180	96	180				
TAATOF	XERIC	275		THERMIC	TYPIC XERIC	75	180	95	180				
TALAMBOT	XERIC	251		THERMIC	DRY XERIC	45	180	71	180				
TANGER	ARIDIC	0		THERMIC	EXTREME ARIDIC	0	0	0	0				
TAROUDANT	ARIDIC	0		HYPERTH.	EXTREME ARIDIC	0	0	0	0				
TAZA	XERIC	273		THERMIC	TYPIC XERIC	75	180	93	180				
TETUAN	XERIC	243		THERMIC	DRY XERIC	45	180	63	180				
TIFLET	XERIC	274		THERMIC	TYPIC XERIC	75	180	94	180				
TIZNIT	ARIDIC	0		THERMIC	EXTREME ARIDIC	0	0	0	0				
TOUAHAR	XERIC	245		THERMIC	DRY XERIC	45	180	65	180				
TZELATA-BENI	XERIC	276		THERMIC	TYPIC XERIC	75	180	96	180				
TZELATA-RAIX	XERIC	247		THERMIC	DRY XERIC	45	180	67	180				
TZENIN-SIDI	XERIC	276		THERMIC	TYPIC XERIC	75	180	96	180				
UAD-LAU	XERIC	242		THERMIC	DRY XERIC	45	180	62	180				
VILLA-NADOR	USTIC	[illegible]		THERMIC	TYPIC TEMPUST.	0	140	0	140				
VILLA-SANJUR	USTIC	165		THERMIC	TYPIC TEMPUST.	15	150	15	150				
VILLA-CISNER	ARIDIC	0	ISO	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
ZAGORA	USTIC	244		HYPERTH.	XERIC TEMPUST.	75	169	75	169				
ZAIO	USTIC	143		HYPERTH.	TYPIC TEMPUST.	0	143	0	143				
ZOCO-ARBAA	XERIC	253		THERMIC	DRY XERIC	45	180	73	180				
ZOCO-SEBT	XERIC	274		THERMIC	TYPIC XERIC	75	180	94	180				

COMPUTED BY FORTRAN PROGRAM VW08, APR 19[illegible]

DATE 02/17/82

MOROCCO

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MOZA

MOZAMBIQUE

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN YEAR IS CNE DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ALTC-MOLOCUE	25.4	26.7	22.6	ISO HYPERTH.	26	72	262	26	72	262	334	334	0	67	USTIC
ANGOCHE	28.2	29.4	25.9	ISO HYPERTH.	74	92	194	74	92	194	276	276	0	29	USTIC
BELLA-VISTA	25.3	27.1	22.8	ISO HYPERTH.	236	124	0	236	124	0	81	81	24	0	ARIDIC
CAIA	27.9	29.2	25.3	ISO HYPERTH.	105	90	165	105	90	165	238	238	0	0	USTIC
CATANDICA	24.5	25.7	21.8	ISO HYPERTH.	25	50	285	25	50	285	335	335	0	60	UDIC
CATUANE	25.4	27.3	22.8	ISO HYPERTH.	269	91	0	269	91	0	20	20	27	0	ARIDIC
CAZULA	27.5	27.8	25.1	ISO HYPERTH.	75	82	203	75	82	203	285	285	0	8	USTIC
CHEMBA	29.2	30.4	26.0	ISO HYPERTH.	239	76	45	239	76	45	82	82	23	0	ARIDIC
CHIBUTO	27.0	28.7	24.3	ISO HYPERTH.	260	100	0	260	100	0	29	29	23	0	ARIDIC
CHIMOIO	24.2	25.6	21.4	ISO HYPERTH.	23	85	252	23	85	252	337	337	0	57	USTIC
CHINDE	28.0	29.4	25.7	ISO HYPERTH.	63	31	266	63	31	266	297	297	0	71	USTIC
CHIUTA	26.0	26.2	24.2	ISO HYPERTH.	84	82	194	84	82	194	276	276	0	0	USTIC
CHOBELA	26.0	27.9	23.4	ISO HYPERTH.	226	134	0	226	134	0	78	78	15	0	ARIDIC
CHOKUE	27.3	29.3	24.5	ISO HYPERTH.	276	84	0	276	84	0	23	23	28	0	ARIDIC
CUAMBA	26.8	27.6	23.9	ISO HYPERTH.	131	69	160	131	69	160	223	223	0	0	USTIC
ERREGO	25.6	26.6	22.9	ISO HYPERTH.	16	60	284	16	60	284	344	344	0	89	UDIC
ESPUNGABERA	22.4	23.5	20.2	ISO HYPERTH.	0	0	360	C	0	360	360	360	0	120	UDIC
FINGOE	24.4	25.2	21.5	ISO HYPERTH.	66	94	200	66	94	200	294	294	0	5	USTIC
FUNHALOURO	27.5	29.0	24.7	ISO HYPERTH.	287	73	0	287	73	0	22	22	33	0	ARIDIC
FURANCUNGO	22.4	22.9	19.9	ISO HYPERTH.	47	82	231	47	82	231	313	313	0	36	USTIC
GURUE	24.8	25.8	21.9	ISO HYPERTH.	0	16	344	0	16	344	360	360	0	119	UDIC
INHAMBANE	26.1	27.8	23.4	ISO HYPERTH.	58	72	230	58	72	230	255	255	6	65	USTIC
INHAMINGA	27.1	28.5	24.4	ISO HYPERTH.	72	111	177	72	111	177	264	264	0	0	USTIC
INHAMUSSUA	25.0	27.0	22.4	ISO HYPERTH.	107	169	84	107	169	84	235	235	0	0	USTIC
INHARRIME	26.6	28.1	24.2	ISO HYPERTH.	145	215	0	145	215	0	86	86	15	0	USTIC
LUGELA	27.2	28.2	24.6	ISO HYPERTH.	33	33	294	33	33	294	327	327	0	69	UDIC
MABOTE	26.5	27.5	25.0	ISO HYPERTH.	234	126	0	234	126	0	87	87	18	0	ARIDIC
MACIA	24.7	26.2	22.2	ISO HYPERTH.	65	119	176	65	119	176	254	254	7	41	USTIC
MACOMIA	27.6	28.2	26.7	ISO HYPERTH.	138	39	183	138	39	183	222	222	0	0	USTIC
MALEMA	24.4	25.2	22.0	ISO HYPERTH.	106	75	179	106	75	179	244	244	0	0	USTIC
MAMBONE	26.9	28.5	24.1	ISO HYPERTH.	138	65	157	138	65	157	205	205	0	0	USTIC
MANHICA	25.7	27.3	23.2	ISO HYPERTH.	103	199	58	103	199	58	196	196	7	0	USTIC
MANIAMBA	23.3	23.7	21.2	ISO HYPERTH.	42	74	244	42	74	244	318	318	0	49	USTIC
MANICA	23.8	25.6	20.3	HYPERTH.	32	91	237	32	91	237	328	328	0	42	USTIC
MANJACAZE	26.5	28.2	24.0	ISO HYPERTH.	254	106	0	254	106	0	53	53	22	0	ARIDIC
MAPUTO	24.7	26.2	22.8	ISO HYPERTH.	168	135	57	168	135	57	140	140	3	0	USTIC
MARRONEU	27.8	29.0	25.6	ISO HYPERTH.	109	73	178	109	73	178	236	236	0	0	USTIC
MAUA	26.8	27.1	24.4	ISO HYPERTH.	110	62	188	110	62	188	239	239	0	0	USTIC
MECONTA	27.6	28.2	26.4	ISO HYPERTH.	159	44	157	159	44	157	201	201	0	0	USTIC
MECUFI	29.4	30.4	27.9	ISO HYPERTH.	195	48	117	195	48	117	139	139	4	0	USTIC
MEMBA	28.4	29.2	26.8	ISO HYPERTH.	186	60	114	186	60	114	174	174	0	0	USTIC
MILANGE	25.4	26.3	23.3	ISO HYPERTH.	0	24	336	0	24	336	360	360	0	99	UDIC
MOAMBA	26.5	28.4	23.8	ISO HYPERTH.	257	103	0	257	103	0	27	27	17	0	ARIDIC
MOCIMBOA	28.2	29.1	26.8	ISO HYPERTH.	144	56	160	144	56	160	202	202	15	0	USTIC
MOCUBA	27.4	28.6	24.4	ISO HYPERTH.	56	72	232	56	72	232	285	285	0	37	USTIC

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DATE 03/02/82

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MOZA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
MOCUMBI	26.4	27.9	24.1	ISO HYPERTH.	237	123	0	237	123	0	51	51	12	0	ARIDIC
MOGINCUAL	28.2	29.4	26.2	ISO HYPERTH.	66	105	189	66	105	189	272	272	0	24	USTIC
MOMA	28.4	29.8	26.4	ISO HYPERTH.	86	75	199	86	75	199	249	249	5	34	USTIC
MONTEPUEZ	26.7	27.4	24.8	ISO HYPERTH.	133	51	176	133	51	176	227	227	0	0	USTIC
MOPEIA	28.8	30.3	26.1	ISO HYPERTH.	141	71	148	141	71	148	204	204	0	0	USTIC
MORRUMBENE	25.9	27.6	23.5	ISO HYPERTH.	81	107	172	81	107	172	232	232	4	37	USTIC
MOSSURIL	27.7	29.1	25.7	ISO HYPERTH.	104	89	167	104	89	167	256	256	0	2	USTIC
MUECATE	27.3	28.2	25.4	ISO HYPERTH.	97	70	193	97	70	193	250	250	0	0	USTIC
MUEDA	24.4	25.3	22.9	ISO HYPERTH.	96	52	212	96	52	212	264	264	0	17	USTIC
MUEMBE	23.9	24.3	21.5	ISO HYPERTH.	48	84	228	48	84	228	312	312	0	33	USTIC
MUNGARI	26.4	27.1	23.9	ISO HYPERTH.	207	65	88	207	65	88	141	141	0	0	USTIC
MUTARARA	28.4	29.6	25.6	ISO HYPERTH.	219	113	28	219	113	28	104	104	3	0	USTIC
MUTUALI	27.1	27.8	24.6	ISO HYPERTH.	122	70	168	122	70	168	228	228	0	0	USTIC
NACALA	28.3	28.9	27.1	ISO HYPERTH.	172	65	123	172	65	123	188	188	0	0	USTIC
NACOONGO	26.1	27.7	23.7	ISO HYPERTH.	19	72	269	19	72	269	294	294	3	104	USTIC
NAMAACHA	23.0	24.5	20.8	ISO HYPERTH.	0	37	323	0	37	323	360	360	0	71	UDIC
NAMAPA	28.5	29.2	26.7	ISO HYPERTH.	156	42	162	156	42	162	204	204	0	0	USTIC
NAMARROI	25.9	27.0	23.2	ISO HYPERTH.	0	31	329	0	31	329	360	360	0	90	UDIC
NAMETIL	28.8	29.8	26.3	ISO HYPERTH.	107	77	176	107	77	176	244	244	0	0	USTIC
NAMPULA	27.2	27.9	25.0	ISO HYPERTH.	88	56	216	88	56	216	264	264	0	21	USTIC
NOVA-SOFALA	27.0	28.6	24.6	ISO HYPERTH.	82	110	168	82	110	168	278	278	0	0	USTIC
PAFURI	27.7	29.6	24.3	HYPERTH.	332	28	0	332	28	0	11	11	67	0	ARIDIC
PALMA	28.9	29.8	27.6	ISO HYPERTH.	125	50	185	125	50	185	221	221	15	20	USTIC
PANDA	26.6	28.2	24.3	ISO HYPERTH.	239	121	0	239	121	0	56	56	19	0	ARIDIC
PEBANE	27.7	28.9	25.6	ISO HYPERTH.	43	38	279	43	38	279	308	308	0	84	UDIC
PEMBA	28.4	29.2	26.9	ISO HYPERTH.	185	37	138	185	37	138	160	160	15	0	USTIC
QUELIMANE MO	27.4	28.9	24.9	ISO HYPERTH.	29	43	288	29	43	288	317	317	0	93	UDIC
QUISSANGA	28.7	29.3	27.5	ISO HYPERTH.	136	69	155	136	69	155	200	200	6	0	USTIC
QUISSICO	25.8	27.4	23.7	ISO HYPERTH.	49	84	227	49	84	227	287	287	0	62	USTIC
RIBAUE	26.2	27.3	23.7	ISO HYPERTH.	87	72	201	87	72	201	260	260	0	6	USTIC
SOFALA	27.0	28.6	24.5	ISO HYPERTH.	14	77	269	14	77	269	346	346	0	74	USTIC
TETE	29.3	30.4	26.3	ISO HYPERTH.	275	85	0	275	85	0	59	59	32	0	ARIDIC
ULONGWE	22.3	23.2	19.7	ISO HYPERTH.	49	84	227	49	84	227	311	311	0	32	USTIC
UMBELUZI	25.5	27.5	22.6	ISO HYPERTH.	232	128	0	232	128	0	59	59	16	0	ARIDIC
VILA-GAMITO	25.1	25.4	22.3	ISO HYPERTH.	81	91	188	81	91	188	279	279	0	0	USTIC
VILA-LUISA	26.1	27.8	23.7	ISO HYPERTH.	194	166	0	194	166	0	130	130	14	0	USTIC
VILA-MACHADO	28.0	29.4	25.2	ISO HYPERTH.	150	68	142	150	68	142	189	189	0	0	USTIC
VILA-PAIRADE	25.9	27.3	22.7	ISO HYPERTH.	21	72	267	21	72	267	339	339	0	72	USTIC
VILA-VASCO-D	22.7	23.1	19.8	ISO HYPERTH.	28	70	262	28	70	262	332	332	0	67	USTIC
VILANCULAS	26.6	28.4	24.1	ISO HYPERTH.	176	75	109	176	75	109	172	172	0	0	USTIC
ZUMBO	28.6	29.0	25.3	ISO HYPERTH.	191	40	129	191	40	129	157	157	0	0	USTIC

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DATE 03/02/82

MOZAMBIQUE

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MCZA

NAME OF STATICN	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ALTO-MOLOCUE	USTIC	334	ISO HYPERTH.	UDIC TROPUST.	180	109	180	154				
ANGOCHE	USTIC	276	ISO HYPERTH.	UDIC TROPUST.	180	81	180	106				
BELLA-VISTA	ARIDIC	81	ISO HYPERTH.	WEAK ARIDIC	81	21	88	36				
CAIA	USTIC	238	ISO HYPERTH.	TYPIC TROPUST.	180	43	180	75				
CATANDICA	UDIC	335	ISO HYPERTH.	DRY TROPUDIC	180	110	180	155				
CATUANE	ARIDIC	20	ISO HYPERTH.	TYPIC ARIDIC	20	17	59	32				
CAZULA	USTIC	285	ISO HYPERTH.	UDIC TROPUST.	180	60	180	105				
CHEMBA	ARIDIC	82	ISO HYPERTH.	WEAK ARIDIC	82	15	93	28				
CHIBUTO	ARIDIC	29	ISO HYPERTH.	TYPIC ARIDIC	29	15	70	30				
CHIMGIO	USTIC	337	ISO HYPERTH.	UDIC TROPUST.	180	112	180	157				
CHINDE	USTIC	297	ISO HYPERTH.	UDIC TROPUST.	180	102	180	117				
CHIUTA	USTIC	276	ISO HYPERTH.	UDIC TROPUST.	180	51	180	96				
CHOBELA	ARIDIC	78	ISO HYPERTH.	WEAK ARIDIC	78	20	1[illegible]	34				
CHOKUE	ARIDIC	23	ISO HYPERTH.	TYPIC ARIDIC	23	11	62	22				
CUAMBA	USTIC	223	ISO HYPERTH.	TYPIC TROPUST.	180	28	180	49				
ERREGO	UDIC	344	ISO HYPERTH.	DRY TROPUDIC	180	119	180	164				
ESPUNGABERA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
FINGOE	USTIC	294	ISO HYPERTH.	UDIC TROPUST.	180	69	180	114				
FUNHALOURO	ARIDIC	22	ISO HYPERTH.	TYPIC ARIDIC	22	13	50	23				
FURANCUNGO	USTIC	313	ISO HYPERTH.	UDIC TROPUST.	180	88	180	133				
GURUE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	119	180	164
INHAMBANE	USTIC	255	ISO HYPERTH.	TYPIC TROPUST.	165	90	174	128				
INHAMINGA	USTIC	264	ISO HYPERTH.	TYPIC TROPUST.	180	69	180	108				
INHAMUSSUA	USTIC	235	ISO HYPERTH.	TYPIC TROPUST.	180	40	180	73				
INHARRIME	USTIC	86	ISO HYPERTH.	ARIDIC TROPUST.	45	41	141	74				
LUGELA	UDIC	327	ISO HYPERTH.	DRY TROPUDIC	180	102	180	147				
MABOTE	ARIDIC	87	ISO HYPERTH.	WEAK ARIDIC	87	15	99	27				
MACIA	USTIC	254	ISO HYPERTH.	TYPIC TROPUST.	165	89	173	122				
MACOMIA	USTIC	222	ISO HYPERTH.	TYPIC TROPUST.	180	27	180	42				
MALEMA	USTIC	244	ISO HYPERTH.	TYPIC TROPUST.	180	49	180	74				
MAMBONE	USTIC	205	ISO HYPERTH.	TYPIC TROPUST.	180	17	180	42				
MANHICA	USTIC	196	ISO HYPERTH.	TYPIC TROPUST.	165	31	173	84				
MANIAMBA	USTIC	318	ISO HYPERTH.	[illegible]IC TROPUST.	180	93	180	138				
MANICA	USTIC	328	HYPERTH.	[illegible]YPIC TEMPUST.	180	103	180	148				
MANJACAZE	ARIDIC	53	ISO HYPERTH.	WEAK ARIDIC	53	13	82	24				
MAPUTO	USTIC	140	ISO HYPERTH.	ARIDIC TROPUST.	140	25	152	40				
MARROMEU	USTIC	236	ISO HYPERTH.	TYPIC TROPUST.	180	41	180	71				
MAUA	USTIC	239	ISO HYPERTH.	TYPIC TROPUST.	180	44	180	70				
MECONTA	USTIC	201	ISO HYPERTH.	TYPIC TROPUST.	180	15	180	21				
MECUFI	USTIC	139	ISO HYPERTH.	ARIDIC TROPUST.	139	15	150	15				
MEMBA	USTIC	174	ISO HYPERTH.	ARIDIC TROPUST.	159	15	159	15				
MILANGE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	99	180	156
MOAMBA	ARIDIC	27	ISO HYPERTH.	TYPIC ARIDIC	27	18	71	32				
MOCIMBOA	USTIC	202	ISO HYPERTH.	TYPIC TROPUST.	165	37	165	51				
MOCUBA	USTIC	285	ISO HYPERTH.	UDIC TROPUST.	180	90	180	124				

COMPUTED BY FORTRAN PROGRAM VWG8, APR 1981

DATE 03/02/82

MOZAMBIQUE

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR MOZA

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
MOCUMBI	ARIDIC	51	ISO HYPERTH.	WEAK ARIDIC	51	17	91	32				
MOGINCUAL	USTIC	272	ISO HYPERTH.	UDIC TROPUST.	180	77	180	114				
MOMA	USTIC	249	ISO HYPERTH.	TYPIC TROPUST.	165	84	175	99				
MONTEPUEZ	USTIC	227	ISO HYPERTH.	TYPIC TROPUST.	180	32	180	47				
MOPEIA	USTIC	204	ISO HYPERTH.	TYPIC TROPUST.	180	15	180	39				
MORRUMBENE	USTIC	232	ISO HYPERTH.	TYPIC TROPUST.	165	67	176	103				
MOSSURIL	USTIC	256	ISO HYPERTH.	TYPIC TROPUST.	180	61	180	76				
MUECATE	USTIC	250	ISO HYPERTH.	TYPIC TROPUST.	180	55	180	83				
MUEDA	USTIC	264	ISO HYPERTH.	TYPIC TROPUST.	180	69	180	84				
MUEMBE	USTIC	312	ISO HYPERTH.	UDIC TROPUST.	180	87	180	132				
MUNGARI	USTIC	141	ISO HYPERTH.	ARIDIC TROPUST.	126	15	126	27				
MUTARARA	USTIC	104	ISO HYPERTH.	ARIDIC TROPUST.	104	15	116	25				
MUTUALI	USTIC	228	ISO HYPERTH.	TYPIC TROPUST.	180	33	180	58				
NACALA	USTIC	188	ISO HYPERTH.	TYPIC TROPUST.	173	15	173	15				
NACOCNGO	USTIC	294	ISO HYPERTH.	UDIC TROPUST.	165	129	177	164				
NAMAACHA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	71	180	143
NAMAPA	USTIC	204	ISO HYPERTH.	TYPIC TROPUST.	180	15	180	24				
NAMARROI	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	90	180	149
NAMETIL	USTIC	244	ISO HYPERTH.	TYPIC TROPUST.	180	49	180	73				
NAMPULA	USTIC	264	ISO HYPERTH.	TYPIC TROPUST.	180	69	180	92				
NOVA-SOFALA	USTIC	278	ISO HYPERTH.	UDIC TROPUST.	180	53	180	98				
PAFURI	ARIDIC	11	HYPERTH.	TYPIC ARIDIC	11	9	19	9				
PALMA	USTIC	221	ISO HYPERTH.	TYPIC TROPUST.	165	56	165	70				
PANDA	ARIDIC	56	ISO HYPERTH.	WEAK ARIDIC	56	15	92	29				
PEBANE	UDIC	308	ISO HYPERTH.	DRY TROPUDIC	180	113	180	137				
PEMBA	USTIC	160	ISO HYPERTH.	ARIDIC TROPUST.	160	15	160	15				
QUELIMANE MO	UDIC	317	ISO HYPERTH.	DRY TROPUDIC	180	122	180	151				
QUISSANGA	USTIC	200	ISO HYPERTH.	TYPIC TROPUST.	165	35	174	50				
QUISSICO	USTIC	287	ISO HYPERTH.	UDIC TROPUST.	180	92	180	131				
RIBAUE	USTIC	260	ISO HYPERTH.	TYPIC TROPUST.	180	65	180	93				
SOFALA	USTIC	346	ISO HYPERTH.	UDIC TROPUST.	180	121	180	166				
TETE	ARIDIC	59	ISO HYPERTH.	WEAK ARIDIC	59	13	72	13				
ULONGWE	USTIC	311	ISO HYPERTH.	UDIC TROPUST.	180	86	180	131				
UMBELUZI	ARIDIC	59	ISO HYPERTH.	WEAK ARIDIC	59	18	95	33				
VILA-GAMITO	USTIC	279	ISO HYPERTH.	UDIC TROPUST.	180	54	180	99				
VILA-LUISA	USTIC	130	ISO HYPERTH.	ARIDIC TROPUST.	130	20	131	35				
VILA-MACHADO	USTIC	189	ISO HYPERTH.	TYPIC TROPUST.	174	21	174	36				
VILA-PAIRADE	USTIC	339	ISO HYPERTH.	UDIC TROPUST.	180	114	180	159				
VILA-VASCO-D	USTIC	332	ISO HYPERTH.	UDIC TROPUST.	180	107	180	152				
VILANCULAS	USTIC	172	ISO HYPERTH.	ARIDIC TROPUST.	157	15	157	27				
ZUMBO	USTIC	157	ISO HYPERTH.	ARIDIC TROPUST.	142	15	142	27				

COMPUTED BY FORTRAN PROGRAM VW08, APR 1981

DATE 03/02/82

MOZAMBIQUE

16

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SWAF

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
GOBABIS	21.9	24.9	17.6	THERMIC	294	66	0	294	66	0	24	24	21	0	ARIDIC
KEETMANSHOOP	22.9	26.3	18.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ONDANGUA	25.0	26.4	21.2	HYPERTH.	241	119	0	241	119	0	100	100	11	0	USTIC
TSUMEB	24.6	26.0	21.0	ISO HYPERTH.	216	144	0	216	144	0	116	116	12	0	USTIC
WARMBAD	23.3	27.3	18.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
WINDHOEK	21.3	24.0	18.0	THERMIC	268	92	0	268	92	0	48	48	15	0	ARIDIC

COMPUTED BY FORTRAN PROGRAM VW08, APR 1981

DATE 11/22/81

NAMIBIA

92

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SWAF

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
GOBABIS	ARIDIC	24	THERMIC	TYPIC ARIDIC	24	0	66	0				
KEETMANSHOOP	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
ONDANGUA	USTIC	100	HYPERTH.	TYPIC TEMPUST.	100	15	104	15				
TSUMEB	USTIC	116	ISO HYPERTH.	ARIDIC TROPUST.	116	15	119	25				
WARMBAD	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
WINDHOEK	ARIDIC	48	THERMIC	WEAK ARIDIC	48	0	92	0				

COMPUTED BY FORTRAN PROGRAM VW08, APR 1981

DATE 11/22/81

NAMIBIA

93

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR NIGE

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
AGADES	30.4	32.4	25.4	HYPERTH.	347	13	0	347	13	0	13	13	62	0	ARIDIC
BILMA NIGER	29.5	33.1	23.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BIRNI-N,KONI	31.0	30.6	28.3	ISO HYPERTH.	242	55	63	242	55	63	108	108	15	0	USTIC
GEMBU	23.5	21.9	24.2	ISO HYPERTH.	0	47	313	0	47	313	360	360	0	45	UDIC
MAINE-SOROA	30.0	30.2	26.4	ISO HYPERTH.	283	34	43	283	34	43	52	52	23	0	ARIDIC
MARADI NIGER	29.6	29.5	26.4	ISO HYPERTH.	223	37	100	223	37	100	129	129	15	0	USTIC
NIAMEY	31.5	31.1	28.5	ISO HYPERTH.	251	55	54	251	55	54	98	98	15	0	USTIC
SERTI	29.2	27.6	29.9	ISO HYPERTH.	98	44	218	98	44	218	242	242	0	0	USTIC
TAHOUA	31.0	30.9	27.7	ISO HYPERTH.	304	56	0	304	56	0	28	28	38	0	ARIDIC
TILLABERY NI	31.9	31.5	29.0	ISO HYPERTH.	267	45	48	267	45	48	87	87	18	0	ARIDIC
ZINDER NIGER	30.7	30.3	27.6	ISO HYPERTH.	253	21	86	253	21	86	101	101	15	0	USTIC

COMPUTED BY FORTRAN PROGRAM VW08, APR 1981

DATE 11/22/81

NIGER

94

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR NIGE

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
AGADES	ARIDIC	13	HYPERTH.	TYPIC ARIDIC	13	0	13	0				
BILMA NIGER	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
BIRNI-N,KONI	USTIC	108	ISO HYPERTH.	ARIDIC TROPUST.	108	10	108	10				
GEMBU	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	133
MAINE-SORCA	ARIDIC	52	ISO HYPERTH.	WEAK ARIDIC	52	0	77	0				
MARADI NIGER	USTIC	129	ISO HYPERTH.	ARIDIC TROPUST.	129	8	129	8				
NIAMEY	USTIC	98	ISO HYPERTH.	ARIDIC TROPUST.	98	11	98	11				
SERTI	USTIC	242	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	82				
TAHOUA	ARIDIC	28	ISO HYPERTH.	TYPIC ARIDIC	28	0	56	0				
TILLABERY NI	ARIDIC	87	ISO HYPERTH.	WEAK ARIDIC	87	6	87	6				
ZINDER NIGER	USTIC	101	ISO HYPERTH.	ARIDIC TROPUST.	101	6	101	6				

COMPUTED BY FORTRAN PROGRAM VW08, APR 1981

DATE 11/22/81

NIGER

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR NGRA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BAUCHI	28.1	27.2	26.5	ISO HYPERTH.	156	79	125	156	79	125	190	190	0	0	USTIC
BENIN-CITY	28.7	27.1	29.6	ISO HYPERTH.	58	51	251	58	51	251	281	281	0	15	USTIC
BIDA.NIGERIA	30.4	28.4	31.0	ISO HYPERTH.	135	64	161	135	64	161	214	214	0	0	USTIC
CALABAR	29.0	27.9	29.6	ISO HYPERTH.	6	57	297	6	57	297	354	354	0	45	UDIC
ENUGU	29.2	27.4	30.4	ISO HYPERTH.	80	36	244	80	36	244	269	269	0	15	USTIC
IBADAN	28.8	27.0	29.6	ISO HYPERTH.	81	73	206	81	73	206	263	263	0	0	USTIC
IKEJA	28.7	26.8	29.9	ISO HYPERTH.	66	77	217	66	77	217	249	249	0	0	USTIC
ILORIN	29.5	27.6	29.8	ISO HYPERTH.	101	57	202	101	57	202	230	230	0	0	USTIC
ILORIN NIGER	29.1	27.6	29.[illegible]	ISO HYPERTH.	98	59	203	98	59	203	233	233	0	0	USTIC
JOS NIGERIA	24.4	23.2	23.[illegible]	ISO HYPERTH.	74	77	209	74	77	209	286	286	0	0	USTIC
KADUNA	27.4	26.4	26.2	ISO HYPERTH.	105	47	208	105	47	208	247	247	0	0	USTIC
KANO NIGERIA	28.5	28.1	25.5	ISO HYPERTH.	177	76	107	177	76	107	173	173	0	0	USTIC
LOKOJA	30.0	28.7	30.0	ISO HYPERTH.	125	40	195	125	40	195	221	221	0	0	USTIC
MAIDUGURI NI	29.4	29.3	26.1	ISO HYPERTH.	221	36	103	221	36	103	128	128	15	0	USTIC
MAKURDI	29.7	28.2	30.1	ISO HYPERTH.	113	51	196	113	51	196	220	220	0	0	USTIC
MINNA	29.5	27.3	30.5	ISO HYPERTH.	130	63	167	130	63	167	222	222	0	0	USTIC
MINNA NIGERI	29.6	27.5	30.7	ISO HYPERTH.	130	64	166	130	64	166	222	222	0	0	USTIC
NGURU	29.3	30.0	26.1	ISO HYPERTH.	246	51	63	246	51	63	106	106	15	0	USTIC
ONDO	28.3	26.5	29.4	ISO HYPERTH.	54	57	249	54	57	249	278	278	0	15	USTIC
OSHOGBO	28.8	26.9	29.5	ISO HYPERTH.	90	94	176	90	94	176	234	234	0	0	USTIC
OURI-BOKI	31.0	29.7	30.1	ISO HYPERTH.	200	82	78	200	82	78	150	150	0	0	USTIC
PORT-HARCOUR	29.2	28.1	30.0	ISO HYPERTH.	24	75	261	24	75	261	324	324	0	15	USTIC
POTISKUM	28.8	28.8	25.7	ISO HYPERTH.	195	57	108	195	57	108	146	146	15	0	USTIC
SOKOTO	30.6	30.1	28.0	ISO HYPERTH.	214	43	103	214	43	103	127	127	15	0	USTIC
VICTORIA	27.9	26.8	28.6	ISO HYPERTH.	0	62	298	0	62	298	360	360	0	45	UDIC
WARRI	29.1	28.0	29.6	ISO HYPERTH.	25	76	259	25	76	259	324	324	0	15	USTIC
YELWA	30.0	29.0	28.4	ISO HYPERTH.	145	85	130	145	85	130	194	194	0	0	USTIC
YOLA	30.9	29.6	30.0	ISO HYPERTH.	157	50	153	157	50	153	176	176	0	0	USTIC
YOLA.NIGERIA	30.7	29.3	30.1	ISO HYPERTH.	152	54	154	152	54	154	208	208	0	0	USTIC

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DATE 11/22/81

96

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR NGRA

NAME OF STATION	MOISTURE REGIME	CON.C. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
BALCHI	USTIC	190	ISO HYPERTH.	TYPIC TROPUST.	175	15	175	29				
BENIN-CITY	USTIC	281	ISO HYPERTH.	UDIC TROPUST.	180	75	180	122				
BIDA.NIGERIA	USTIC	214	ISO HYPERTH.	TYPIC TROPUST.	169	45	169	56				
CALABAR	UDIC	354	ISO HYPERTH.	DRY TROPUDIC	180	105	180	174				
ENUGU	USTIC	269	ISO HYPERTH.	TYPIC TROPUST.	180	75	180	100				
IBADAN	USTIC	263	ISO HYPERTH.	TYPIC TROPUST.	180	75	180	99				
IKEJA	USTIC	249	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	114				
ILORIN	USTIC	230	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	79				
ILORIN NIGER	USTIC	233	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	82				
JOS NIGERIA	USTIC	286	ISO HYPERTH.	UDIC TROPUST.	180	75	180	106				
KADUNA	USTIC	247	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	75				
KANO NIGERIA	USTIC	173	ISO HYPERTH.	ARIDIC TROPUST.	158	15	158	25				
LOKOJA	USTIC	221	ISO HYPERTH.	TYPIC TROPUST.	176	45	176	59				
MAIDUGURI NI	USTIC	128	ISO HYPERTH.	ARIDIC TROPUST.	128	11	128	11				
MAKURDI	USTIC	220	ISO HYPERTH.	TYPIC TROPUST.	175	45	175	72				
MINNA	USTIC	222	ISO HYPERTH.	TYPIC TROPUST.	177	45	177	53				
MINNA NIGERI	USTIC	222	ISO HYPERTH.	TYPIC TROPUST.	177	45	177	53				
NGURU	USTIC	106	ISO HYPERTH.	ARIDIC TROPUST.	106	8	106	8				
ONDO	USTIC	278	ISO HYPERTH.	UDIC TROPUST.	180	75	180	126				
OSHOGBO	USTIC	234	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	90				
OURI-BOKI	USTIC	150	ISO HYPERTH.	ARIDIC TROPUST.	135	15	135	25				
PORT-HARCOUR	USTIC	324	ISO HYPERTH.	UDIC TROPUST.	180	105	180	156				
POTISKUM	USTIC	146	ISO HYPERTH.	ARIDIC TROPUST.	146	14	146	19				
SOKOTO	USTIC	127	ISO HYPERTH.	ARIDIC TROPUST.	127	13	127	19				
VICTORIA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	118
WARRI	USTIC	324	ISO HYPERTH.	UDIC TROPUST.	180	105	180	155				
YELWA	USTIC	194	ISO HYPERTH.	TYPIC TROPUST.	179	21	179	36				
YOLA	USTIC	176	ISO HYPERTH.	ARIDIC TROPUST.	161	27	161	42				
YOLA.NIGERIA	USTIC	208	ISO HYPERTH.	TYPIC TROPUST.	163	45	163	45				

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DATE 11/22/81

NIGERIA

97

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR RWAN

RWANDA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BUTARE	22.0	21.6	22.2	ISO HYPERTH.	0	5	355	0	5	355	360	360	0	120	UDIC
KIGALI	23.1	23.1	23.0	ISO HYPERTH.	0	24	336	0	24	336	360	360	0	120	UDIC
RUBONA	21.9	21.6	22.0	ISO THERMIC	0	10	350	0	10	350	360	360	0	120	UDIC

COMPUTED BY FORTRAN PROGRAM VW08, APR 1981

DATE 03/20/82

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR RWAN

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
BUTARE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					105	180	175	180
KIGALI	UDIC	360	ISO HYPERTH.	TYPIC UDIC					105	180	156	180
RUBONA	UDIC	360	ISO THERMIC	TYPIC UDIC					105	180	170	180

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DATE 03/20/82

RWANDA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SENE

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BATHURST	29.3	29.8	28.0	ISO HYPERTH.	190	41	129	190	41	129	158	158	15	0	USTIC
DAKAR-YOFF	26.7	28.4	24.8	ISO HYPERTH.	227	49	84	227	49	84	104	104	15	0	USTIC
DIOUBEL	29.8	30.5	27.5	ISO HYPERTH.	228	51	81	228	51	81	132	132	15	0	USTIC
GEORGETOWN-M	30.4	30.3	28.7	ISO HYPERTH.	174	61	125	174	61	125	186	186	0	0	USTIC
KAOLACK	30.0	30.2	27.9	ISO HYPERTH.	209	35	116	209	35	116	143	143	15	0	USTIC
KOLDA	30.1	29.8	27.8	ISO HYPERTH.	157	69	134	157	69	134	203	203	0	0	USTIC
LINGUERE	30.4	31.1	27.8	ISO HYPERTH.	263	29	68	263	29	68	82	82	15	0	ARIDIC
MATAM	31.0	31.7	27.5	ISO HYPERTH.	262	43	55	262	43	55	67	67	15	0	ARIDIC
PODOR	30.8	32.1	27.2	ISO HYPERTH.	319	41	0	319	41	0	24	24	34	0	ARIDIC
SAINT-LOUIS	26.8	28.4	25.4	ISO HYPERTH.	287	20	53	287	20	53	66	66	23	0	ARIDIC
TAMBACOUNDA	30.6	30.0	28.4	ISO HYPERTH.	179	60	121	179	60	121	181	181	0	0	USTIC
THIES	28.1	29.0	26.6	ISO HYPERTH.	208	65	87	208	65	87	152	152	15	0	USTIC
WOLI	29.5	29.3	26.9	ISO HYPERTH.	151	46	163	151	46	163	209	209	0	0	USTIC
YOROBERI-KUN	29.8	29.6	27.9	ISO HYPERTH.	168	61	131	168	61	131	167	167	5	0	USTIC
YUNDUM-AIRPO	27.0	27.5	25.5	ISO HYPERTH.	148	73	139	148	73	139	212	212	0	0	USTIC
ZIGUINCHOR	29.1	29.1	27.5	ISO HYPERTH.	162	65	133	162	65	133	198	198	0	0	USTIC

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DATE 03/18/82

SENEGAMBIA

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SENE

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
BATHURST	USTIC	158	ISO HYPERTH.	ARIDIC TROPUST.	158	12	158	12				
DAKAR-YOFF	USTIC	104	ISO HYPERTH.	ARIDIC TROPUST.	104	0	133	0				
DIOUBEL	USTIC	132	ISO HYPERTH.	ARIDIC TROPUST.	132	0	132	0				
GEORGETOWN-M	USTIC	186	ISO HYPERTH.	TYPIC TROPUST.	171	15	171	15				
KAOLACK	USTIC	143	ISO HYPERTH.	ARIDIC TROPUST.	143	8	143	8				
KOLDA	USTIC	203	ISO HYPERTH.	TYPIC TROPUST.	180	15	180	23				
LINGUERE	ARIDIC	82	ISO HYPERTH.	WEAK ARIDIC	82	0	97	0				
MATAM	ARIDIC	67	ISO HYPERTH.	WEAK ARIDIC	67	6	92	6				
PODOR	ARIDIC	24	ISO HYPERTH.	TYPIC ARIDIC	24	0	41	0				
SAINT-LOUIS	ARIDIC	66	ISO HYPERTH.	WEAK ARIDIC	66	0	73	0				
TAMBACOUNDA	USTIC	181	ISO HYPERTH.	TYPIC TROPUST.	166	15	166	15				
THIES	USTIC	152	ISO HYPERTH.	ARIDIC TROPUST.	152	0	152	0				
WULI	USTIC	209	ISO HYPERTH.	TYPIC TROPUST.	180	15	180	29				
YOROBERI-KUN	USTIC	167	ISO HYPERTH.	ARIDIC TROPUST.	165	15	175	17				
YUNDUM-AIRPO	USTIC	212	ISO HYPERTH.	TYPIC TROPUST.	180	17	180	32				
ZIGUINCHOR	USTIC	198	ISO HYPERTH.	TYPIC TROPUST.	180	15	180	18				

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DATE 03/18/82

SENEGAMBIA

101

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SLEO

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BATKANU	29.7	28.3	30.1	ISO HYPERTH.	93	40	227	93	40	227	252	252	0	2	USTIC
BO/SIERRA.LE	28.8	27.6	29.0	ISO HYPERTH.	43	75	242	43	75	242	305	305	0	17	USTIC
BONTHE SIERR	29.3	27.7	30.0	ISO HYPERTH.	61	56	243	61	56	243	299	299	0	18	USTIC
BUNUMBU	28.7	28.0	28.0	ISO HYPERTH.	14	70	276	14	70	276	346	346	0	21	UDIC
DARU	28.5	27.9	27.7	ISO HYPERTH.	12	62	286	12	62	286	324	324	0	31	UDIC
DARU SIERRA	28.3	27.6	28.1	ISO HYPERTH.	10	65	285	10	65	285	323	323	0	30	UDIC
FALCONBRIDGE	29.1	28.4	29.5	ISO HYPERTH.	93	36	231	93	36	231	258	258	0	6	USTIC
HANSHA	27.8	26.3	28.4	ISO HYPERTH.	21	62	277	21	62	277	312	312	0	22	UDIC
KABALA	27.8	26.6	27.7	ISO HYPERTH.	58	59	243	58	59	243	275	275	0	18	USTIC
KAILAHUN	27.9	27.1	27.9	ISO HYPERTH.	10	69	281	10	69	281	350	350	0	26	UDIC
KENEMA-FARM	28.4	27.3	28.6	ISO HYPERTH.	15	94	251	15	94	251	320	320	0	26	USTIC
KPLWABU	28.1	27.1	28.2	ISO HYPERTH.	24	61	275	24	61	275	319	319	0	20	UDIC
LUMLEY	28.1	27.8	27.8	ISO HYPERTH.	73	49	238	73	49	238	276	276	0	13	USTIC
LUNGI	28.9	27.7	29.4	ISO HYPERTH.	90	37	233	90	37	233	261	261	0	8	USTIC
MAKENI	29.4	28.5	29.2	ISO HYPERTH.	80	45	235	80	45	235	262	262	0	10	USTIC
MARAMPA	29.2	28.0	29.4	ISO HYPERTH.	86	41	233	86	41	233	261	261	0	8	USTIC
MUSAIA	27.9	27.3	26.7	ISO HYPERTH.	60	49	251	60	49	251	287	287	0	26	USTIC
N,JALA	28.9	27.7	29.3	ISO HYPERTH.	85	39	236	85	39	236	264	264	0	11	USTIC
NEWTON	28.6	27.6	28.8	ISO HYPERTH.	82	42	236	82	42	236	266	266	0	11	USTIC
NO-2-RIVER	28.7	27.8	28.9	ISO HYPERTH.	93	35	232	93	35	232	260	260	0	7	USTIC
PEPEL	28.9	27.9	28.9	ISO HYPERTH.	87	37	236	87	37	236	262	262	0	11	USTIC
PORT-LOKO	29.2	27.8	29.7	ISO HYPERTH.	94	36	230	94	36	230	256	256	0	5	USTIC
ROKUPR	29.2	28.1	29.3	ISO HYPERTH.	97	33	230	97	33	230	256	256	0	5	USTIC
SEMBEHUN	28.6	27.5	28.6	ISO HYPERTH.	56	62	242	56	62	242	304	304	0	17	USTIC
YENGEMA	28.2	27.7	27.4	ISO HYPERTH.	13	64	283	13	64	283	324	324	0	28	UDIC

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DATE 11/22/81

SIERRA LEONE

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SLEC

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
BATKANU	USTIC	252	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	87				
BO/SIERRA.LE	USTIC	305	ISO HYPERTH.	UDIC TROPUST.	180	75	180	137				
BONTHE SIERR	USTIC	299	ISO HYPERTH.	UDIC TROPUST.	180	75	180	119				
BUNUMBU	UDIC	346	ISO HYPERTH.	DRY TROPUDIC	180	105	180	166				
DARU	UDIC	324	ISO HYPERTH.	DRY TROPUDIC	180	75	180	168				
DARU SIERRA	UDIC	323	ISO HYPERTH.	DRY TROPUDIC	180	75	180	170				
FALCONBRIDGE	USTIC	258	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	87				
HANSHA	UDIC	312	ISO HYPERTH.	DRY TROPUDIC	180	75	180	159				
KABALA	USTIC	275	ISO HYPERTH.	UDIC TROPUST.	180	50	180	122				
KAILAHUN	UDIC	350	ISO HYPERTH.	DRY TROPUDIC	180	105	180	170				
KENEMA-FARM	USTIC	320	ISO HYPERTH.	UDIC TROPUST.	180	75	180	165				
KPLWABU	UDIC	319	ISO HYPERTH.	DRY TROPUDIC	180	75	180	156				
LUMLEY	USTIC	276	ISO HYPERTH.	UDIC TROPUST.	180	51	180	107				
LUNGI	USTIC	261	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	90				
MAKENI	USTIC	262	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	100				
MARAMPA	USTIC	261	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	94				
MUSAIA	USTIC	287	ISO HYPERTH.	UDIC TROPUST.	180	62	180	120				
N,JALA	USTIC	264	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	95				
NEWTON	USTIC	266	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	98				
NO-2-RIVER	USTIC	260	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	87				
PEPEL	USTIC	262	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	93				
PORT-LOKO	USTIC	256	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	86				
ROKUPR	USTIC	256	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	83				
SEMBEHUN	USTIC	304	ISO HYPERTH.	UDIC TROPUST.	180	75	180	124				
YENGEMA	UDIC	324	ISO HYPERTH.	DRY TROPUDIC	180	75	180	167				

COMPUTED BY FORTRAN PROGRAM VW08, APR 1981

DATE 11/22/81

SIERRA LEONE

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SOMA

SOMALIA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
AFGOI.SOMALY	29.9	28.6	30.4	ISC HYPERTH.	298	62	0	298	62	0	15	15	105	0	ARIDIC
AFMADU	30.9	28.1	32.8	ISO HYPERTH.	291	69	0	291	69	0	17	17	105	0	ARIDIC
ALESSANDRA	30.0	27.9	31.5	ISO HYPERTH.	262	98	0	262	98	0	54	54	79	0	ARIDIC
ALI-SABIEH	29.2	32.2	26.1	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ARTA	28.3	32.4	24.9	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BALAD	30.2	28.8	30.9	ISO HYPERTH.	303	57	0	303	57	0	17	17	105	0	ARIDIC
BARDERA	31.4	28.9	32.8	ISO HYPERTH.	320	40	0	320	40	0	15	15	105	0	ARIDIC
BELET-UEN	31.2	30.3	31.1	ISO HYPERTH.	346	14	0	346	14	0	8	8	105	0	ARIDIC
BENDER-CASSI	31.9	36.0	29.2	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BERBERA	32.3	36.8	29.2	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
BRAVA	28.8	27.8	28.9	ISO HYPERTH.	308	52	0	308	52	0	22	22	90	0	ARIDIC
BULO-BURTI	31.2	29.4	31.8	ISO HYPERTH.	316	44	0	316	44	0	15	15	105	0	ARIDIC
BUR-ACABA	31.2	30.1	30.9	ISO HYPERTH.	298	62	0	298	62	0	23	23	105	0	ARIDIC
BURAO	25.6	26.6	23.5	ISO HYPERTH.	348	12	0	348	12	0	12	12	120	0	ARIDIC
CAPO-GUARDAF	27.5	28.1	26.3	ISO HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
CHISIMAIO	29.5	29.4	28.6	ISO HYPERTH.	310	50	0	310	50	0	22	22	120	0	ARIDIC
DIKHIL	31.7	34.2	28.7	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
DJIBOUTI-AER	32.3	36.1	29.5	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
EL-BUR	30.7	30.2	29.7	ISO HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
GALCAIO	29.9	29.9	28.7	ISO HYPERTH.	351	9	0	351	9	0	9	9	120	0	ARIDIC
GARDO.SOMALY	27.2	28.2	24.8	ISO HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
GELIB	28.2	26.5	29.1	ISO HYPERTH.	200	160	0	200	160	0	53	53	69	0	ARIDIC
GENALE	29.1	27.5	29.6	ISO HYPERTH.	292	68	0	292	68	0	20	20	92	0	ARIDIC
GILMBO	28.5	28.5	28.4	ISO HYPERTH.	286	74	0	286	74	0	59	59	120	0	ARIDIC
HARGEISA	24.3	25.4	21.7	ISO HYPERTH.	278	82	0	278	82	0	23	23	45	0	ARIDIC
ISCIA-BAIDOA	28.7	26.5	30.3	ISO HYPERTH.	242	118	0	242	118	0	66	66	105	0	ARIDIC
LASANOD	26.6	26.9	24.8	ISO HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
LUGH-FERRAND	33.1	30.8	34.5	ISO HYPERTH.	334	26	0	334	26	0	19	19	120	0	ARIDIC
MAHADDEI-UEN	29.2	27.6	30.2	ISO HYPERTH.	308	52	0	308	52	0	15	15	105	0	ARIDIC
MARGHERITA	30.3	28.6	31.5	ISO HYPERTH.	305	55	0	305	55	0	17	17	91	0	ARIDIC
MOGADISCIO	29.6	28.4	29.4	ISO HYPERTH.	314	46	0	314	46	0	16	16	92	0	ARIDIC
OBBIA	29.1	27.9	28.9	ISO HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ODDUR	29.2	28.2	28.8	ISO HYPERTH.	298	62	0	298	62	0	21	21	105	0	ARIDIC
SHIEKH	21.6	23.4	18.8	ISO THERMIC	213	147	0	213	147	0	55	55	45	0	ARIDIC
UANLE-UEN	30.5	28.4	30.8	ISO HYPERTH.	278	39	43	278	39	43	54	54	105	15	ARIDIC
VILLABRUZZI	30.1	28.3	30.6	ISO HYPERTH.	294	66	0	294	66	0	20	20	105	0	ARIDIC

COMPUTED BY FORTRAN PROGRAM VW08, APR 1981

DATE 11/22/81

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SCMA

NAME OF STATION	MOISTURE REGIME	CON.C. M/O T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
AFGOI.SOMALY	ARIDIC	15	ISO HYPERTH.	TYPIC ARIDIC	15	14	23	39				
AFMADU	ARIDIC	17	ISO HYPERTH.	TYPIC ARIDIC	17	17	38	31				
ALESSANDRA	ARIDIC	54	ISO HYPERTH.	WEAK ARIDIC	14	54	35	63				
ALI-SABIEH	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
ARTA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
BALAD	ARIDIC	17	ISO HYPERTH.	TYPIC ARIDIC	17	16	30	27				
BARDERA	ARIDIC	15	ISO HYPERTH.	TYPIC ARIDIC	9	15	17	23				
BELET-UEN	ARIDIC	8	ISO HYPERTH.	TYPIC ARIDIC	6	8	6	8				
BENDER-CASSI	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
BERBERA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
BRAVA	ARIDIC	22	ISO HYPERTH.	TYPIC ARIDIC	15	15	22	30				
BULO-BURTI	ARIDIC	15	ISO HYPERTH.	TYPIC ARIDIC	15	10	24	20				
BUR-ACABA	ARIDIC	23	ISO HYPERTH.	TYPIC ARIDIC	19	23	26	36				
BURAO	ARIDIC	12	ISO HYPERTH.	TYPIC ARIDIC	0	12	0	12				
CAPO-GUARDAF	ARIDIC	0	ISO HYPERTH.	EXTREME ARIDIC	0	0	0	0				
CHISIMAIO	ARIDIC	22	ISO HYPERTH.	TYPIC ARIDIC	18	10	33	17				
DIKHIL	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
DJIBOUTI-AER	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
EL-BUR	ARIDIC	0	ISO HYPERTH.	EXTREME ARIDIC	0	0	0	0				
GALCAIO	ARIDIC	9	ISO HYPERTH.	TYPIC ARIDIC	0	9	0	9				
GARDO.SOMALY	ARIDIC	0	ISO HYPERTH.	EXTREME ARIDIC	0	0	0	0				
GELIB	ARIDIC	53	ISO HYPERTH.	WEAK ARIDIC	44	53	92	68				
GENALE	ARIDIC	20	ISO HYPERTH.	TYPIC ARIDIC	13	15	27	41				
GIUMBO	ARIDIC	59	ISO HYPERTH.	WEAK ARIDIC	45	15	45	29				
HARGEISA	ARIDIC	23	ISO HYPERTH.	TYPIC ARIDIC	23	17	38	44				
ISCIA-BAIDOA	ARIDIC	66	ISO HYPERTH.	WEAK ARIDIC	52	66	52	66				
LASANOD	ARIDIC	0	ISO HYPERTH.	EXTREME ARIDIC	0	0	0	0				
LUGH-FERRAND	ARIDIC	19	ISO HYPERTH.	TYPIC ARIDIC	7	19	7	19				
MAHADDEI-UEN	ARIDIC	15	ISO HYPERTH.	TYPIC ARIDIC	14	15	24	28				
MARGHERITA	ARIDIC	17	ISO HYPERTH.	TYPIC ARIDIC	14	17	14	41				
MOGADISCIO	ARIDIC	16	ISO HYPERTH.	TYPIC ARIDIC	13	15	14	32				
OBBIA	ARIDIC	0	ISO HYPERTH.	EXTREME ARIDIC	0	0	0	0				
ODDUR	ARIDIC	21	ISO HYPERTH.	TYPIC ARIDIC	20	21	29	33				
SHIEKH	ARIDIC	55	ISO THERMIC	WEAK ARIDIC	50	55	92	55				
UANLE-UEN	ARIDIC	54	ISO HYPERTH.	WEAK ARIDIC	16	54	28	54				
VILLABRUZZI	ARIDIC	20	ISO HYPERTH.	TYPIC ARIDIC	20	15	36	30				

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DATE 11/22/81

SOMALIA

105

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SAFR

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PART IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ALEXANDER-BA	17.9	19.0	16.7	ISO THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
ALIWAL-NOORD	17.8	21.4	13.2	THERMIC	112	248	0	112	248	0	201	130	15	0	USTIC
ANDRIESFONTE	17.3	21.5	12.3	THERMIC	334	26	0	334	26	0	26	26	75	0	ARIDIC
ARMOEDSVLAKT	20.3	23.9	15.5	THERMIC	252	108	0	252	108	0	59	59	15	0	ARIDIC
BARBERTON	22.7	24.4	20.2	ISO HYPERTH.	53	131	176	53	131	176	286	286	0	11	USTIC
BARKLY-EAST	14.7	18.2	10.8	MESIC	0	0	360	0	0	360	360	274	0	120	UDIC
BASHEE	21.6	23.2	20.0	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
BEAUFORT WES	19.6	23.1	16.0	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
BEAUFORT-WES	20.5	24.2	16.6	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
BELFAST	15.1	17.4	11.5	THERMIC	0	0	360	0	0	360	360	298	0	120	UDIC
BETHAL	17.5	20.0	13.5	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
BETHLEHEM	17.0	20.3	12.7	THERMIC	0	82	278	0	82	278	360	319	0	98	UDIC
BETHULIE	18.7	22.6	14.1	THERMIC	204	156	0	204	156	0	110	110	18	0	USTIC
BIRD-ISLAND	21.0	22.3	19.7	ISO THERMIC	302	58	0	302	58	0	58	58	120	0	ARIDIC
BLOEMFONTEIN	18.1	21.7	13.4	THERMIC	106	254	0	106	254	0	194	133	13	0	USTIC
BLOEMHOF	20.5	24.1	15.5	THERMIC	239	121	0	239	121	0	55	55	15	0	ARIDIC
BOEGGEBERDAM	22.7	27.2	17.9	HYPERTH.	350	10	0	350	10	0	10	10	75	0	ARIDIC
BOSHOF	20.1	24.1	15.2	THERMIC	240	120	0	240	120	0	81	81	18	0	ARIDIC
BRANDVLEI	20.1	24.3	15.2	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
CALA	18.8	21.3	15.5	THERMIC	166	194	0	166	194	0	141	141	5	0	USTIC
CALVINIA	18.8	22.5	15.0	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
CAPE-COLUMBI	17.7	18.8	16.4	ISO THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
CAPE-L,AGULH	19.3	21.4	17.3	ISO THERMIC	163	197	0	163	197	0	197	197	120	0	USTIC
CAPE-ST-FRAN	19.5	21.3	18.0	ISO THERMIC	39	130	191	39	130	191	321	321	39	105	USTIC
CAPETOWN	19.9	22.4	17.3	THERMIC	105	66	189	105	66	189	255	255	90	120	XERIC
CARNAVON	18.7	23.0	13.8	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
CAROLINA	17.1	19.4	13.3	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
CATHCART	17.5	20.0	14.6	THERMIC	12	348	0	12	348	0	264	264	4	0	USTIC
CEDARA	18.8	20.8	16.2	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
CHRISTIANA	20.1	24.0	15.0	THERMIC	252	108	0	252	108	0	54	54	16	0	ARIDIC
CLANWILLIAM	22.2	25.9	18.0	HYPERTH.	285	75	0	285	75	0	75	75	120	0	ARIDIC
CRADOCK	19.0	22.4	14.9	THERMIC	330	30	0	330	30	0	17	17	45	0	ARIDIC
D. F. MALAN	18.4	21.1	16.0	THERMIC	79	96	185	79	96	185	281	281	79	120	XERIC
DANGER-POINT	18.6	20.2	17.0	ISO THERMIC	111	87	162	111	87	162	249	249	96	105	USTIC
DASSENEILAND	17.7	18.8	16.6	ISO THERMIC	187	173	0	187	173	0	173	173	120	0	USTIC
DE-AAR	18.7	23.2	14.0	THERMIC	338	22	0	338	22	0	22	22	75	0	ARIDIC
DEEPWALLS	18.1	19.8	16.3	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	PERUDIC
DIKGATLONG	23.3	26.2	18.4	HYPERTH.	285	75	0	285	75	0	19	19	26	0	ARIDIC
DUNDEE	19.5	21.9	16.0	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
DURBAN	23.0	25.0	20.6	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
EAST LONDON	20.4	22.3	18.6	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
EMERALD-DALE	18.5	20.5	15.6	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
EMPANGENI	23.6	25.7	21.0	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
ERMELO	17.2	19.4	13.4	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
ESTCOURT	19.3	21.8	15.6	THERMIC	0	4	356	0	4	356	360	360	0	120	UDIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SAFR

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
FAURESMITH	18.1	22.3	13.1	THERMIC	199	161	0	199	161	0	137	100	20	0	USTIC
FRANCISTOWN	23.3	25.3	19.1	HYPERTH.	258	102	0	258	102	0	29	29	24	0	ARIDIC
FRASERBURG	17.6	21.8	12.9	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
GABERONES	22.2	25.3	17.5	HYPERTH.	233	127	0	233	127	0	49	49	10	0	ARIDIC
GARIES	21.4	24.1	18.2	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
GEORGE SOUTH	17.9	20.0	16.2 ISO	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
GERMISTON	18.6	20.9	15.1	THERMIC	0	17	343	0	17	343	360	360	0	96	UDIC
GHANZI	23.2	25.7	18.8	HYPERTH.	249	111	0	249	111	0	46	46	15	0	ARIDIC
GOODHOUSE	25.8	30.0	20.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
GRAAF-REINET	21.1	24.3	17.5	THERMIC	345	15	0	345	15	0	15	15	75	0	ARIDIC
GRAHAMSTOW	18.9	21.2	16.1	THERMIC	13	347	0	13	347	0	323	323	7	0	USTIC
GREAT-FISH-P	20.5	22.1	18.8 ISO	THERMIC	257	103	0	257	103	0	59	59	75	0	ARIDIC
GROOT-DRAKEN	19.9	23.1	16.5	THERMIC	69	65	226	69	65	226	291	291	69	120	XERIC
GROOTFONTEIN	17.2	21.0	12.9	THERMIC	292	68	0	292	68	0	52	52	45	[illegible]	ARIDIC
GROOTSPRUIT	19.2	22.7	14.7	THERMIC	103	257	0	103	257	0	143	143	12	0	USTIC
HARRISMITH	16.3	19.3	12.0	THERMIC	17	343	0	17	343	0	316	213	0	0	USTIC
HARTBEESFONT	19.6	22.6	15.3	THERMIC	81	135	144	81	135	144	232	232	2	39	USTIC
HERMITAGE	20.9	23.5	17.9	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
HLABISA	22.4	24.2	20.4 ISO	HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
IDUTYWA	19.1	20.9	16.8 ISO	THERMIC	123	237	0	123	237	0	237	237	0	0	USTIC
JAN SMUTS SO	18.0	19.9	14.8	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
JANSENVILLE	21.5	24.8	17.5	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
JOHANNESBURG	18.8	21.0	15.2	THERMIC	0	7	353	0	7	353	360	360	0	98	UDIC
JONKERSHOEK	18.9	21.7	16.3	THERMIC	35	77	248	35	77	248	325	325	35	120	USTIC
KASANE	25.3	26.1	21.9 ISO	HYPERTH.	133	96	131	133	96	131	215	215	0	0	USTIC
KENHARDT	22.1	26.8	17.1	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
KIMBERLEY	20.8	24.7	16.2	THERMIC	275	85	0	275	85	0	51	51	20	0	ARIDIC
KIMBERLEY SO	20.3	24.1	15.5	THERMIC	297	63	0	297	63	0	29	29	22	0	ARIDIC
KING-WILLIAM	20.8	23.1	17.9	THERMIC	171	189	0	171	189	0	87	87	17	0	USTIC
KLAVER	21.8	24.4	18.8	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
KOKSTAD	17.5	20.0	14.1	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
KOMATIPOORT	25.5	27.8	22.2	HYPERTH.	224	136	0	224	136	0	102	102	14	0	USTIC
KOPJE-ALLEEN	21.5	24.0	17.4	THERMIC	172	188	0	172	188	0	117	117	0	0	USTIC
KROONSTAD	18.9	22.4	14.1	THERMIC	91	269	0	91	269	0	174	174	5	0	USTIC
KURUMAN	20.3	24.1	15.7	THERMIC	293	67	0	293	67	0	29	29	17	0	ARIDIC
LADYSMITH	21.1	23.8	17.2	THERMIC	0	96	264	0	96	264	360	360	0	69	USTIC
LAIANGSBURG	19.7	23.6	15.0	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
LANGGEWENS	20.7	23.9	17.3	THERMIC	162	103	95	162	103	95	198	198	120	75	XERIC
LICHTENBURG	19.4	22.1	15.3	THERMIC	99	261	0	99	261	0	238	238	0	0	USTIC
LINDLEY	17.8	21.0	13.2	THERMIC	21	339	0	21	339	0	315	222	0	0	USTIC
LOSKOPDAM	23.4	25.6	19.7	HYPERTH.	194	166	0	194	166	0	141	141	0	0	USTIC
LOUIS-TRICHA	21.3	23.2	18.1	THERMIC	15	120	225	15	120	225	345	345	0	60	USTIC
LOVEDALE	20.6	23.4	17.4	THERMIC	224	136	0	224	136	0	53	53	17	0	ARIDIC
MAFEKING	20.8	23.7	16.4	THERMIC	218	142	0	218	142	0	50	50	8	0	ARIDIC
MAHALAPYE	23.0	25.7	18.5	HYPERTH.	272	88	0	272	88	0	23	23	22	0	ARIDIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SAFR

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
MARNITZ	23.2	25.6	19.1	HYPERTH.	310	50	0	310	50	0	25	25	58	0	ARIDIC
MASERU	17.7	21.2	13.2	THERMIC	28	332	0	28	332	0	265	161	9	0	USTIC
MATATIELE	18.6	20.9	15.8	THERMIC	0	6	354	0	6	354	360	360	0	120	UDIC
MATROOSBERG	16.7	20.1	13.2	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
MAUN	24.7	26.4	20.4	HYPERTH.	272	88	0	272	88	0	27	27	21	0	ARIDIC
MBABANE	19.4	21.1	16.7 ISO	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
MELMOTH	21.7	23.4	19.5 ISO	THERMIC	0	39	321	0	39	321	360	360	0	66	UDIC
MESSINA	25.8	27.8	22.4	HYPERTH.	320	40	0	320	40	0	12	12	65	0	ARIDIC
MIDDELBURG	18.0	20.9	13.6	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
MISTLEY	18.6	20.4	16.0 ISO	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
MOHALESHOEK	17.6	20.9	13.6	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
MOKHOTLONG	14.0	16.9	10.0	MESIC	15	345	0	15	301	0	318	190	0	0	USTIC
MONTAGU	20.1	23.8	16.3	THERMIC	260	100	0	260	100	0	100	100	120	0	USTIC
MOSSEL-BAY	20.5	22.4	18.8 ISO	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
MOUNT-EDGECO	23.0	24.8	20.7 ISO	HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MOUNT-FLETCH	17.7	20.2	14.0	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
MURRAYBURG	17.7	21.9	13.3	THERMIC	346	14	0	346	14	0	14	14	75	0	ARIDIC
NELSPOORT	18.9	22.5	14.8	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
NELSPRUIT	22.7	24.8	19.6	HYPERTH.	75	123	162	75	123	162	266	266	0	0	USTIC
NEWCASTLE	19.8	22.4	16.0	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
NOTTINGHAM-R	16.2	18.7	12.5	THERMIC	0	0	360	0	0	360	360	320	0	120	UDIC
O,OKIEP	20.1	23.3	16.6	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
ONDERSTEPOOR	20.3	23.0	16.1	THERMIC	35	89	236	35	89	236	309	309	0	41	USTIC
OTGBOTINI	25.2	27.2	22.4 ISO	HYPERTH.	206	154	0	206	154	0	44	44	6	0	ARIDIC
OUDTSHOORN	20.3	23.8	16.3	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
PAULPIETERSB	19.8	21.9	16.8	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
PIET-RETIEF	19.1	21.2	16.1	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
PIETERMARITZ	21.0	23.0	18.2 ISO	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
PIETERSBURG	19.7	22.1	15.8	THERMIC	214	146	0	214	146	0	89	89	16	0	ARIDIC
PILGRIMS-RES	19.1	21.2	15.8	THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
POFADDER	21.0	25.1	16.4	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
PORT-ELIZABE	19.7	21.9	17.4 ISO	THERMIC	132	228	0	132	228	0	228	228	117	0	USTIC
PORT-NOLLOTH	16.6	17.5	15.5 ISO	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
PORT-SHEPSTO	22.5	24.4	20.4 ISO	HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
PORT-ST-JOHN	22.5	23.9	21.0 ISO	HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
POSTMASBURG	21.3	25.0	17.0	THERMIC	338	22	0	338	22	0	22	22	75	0	ARIDIC
POTCHEFSTROO	19.5	22.6	15.0	THERMIC	110	250	0	110	250	0	225	225	0	0	USTIC
PRETORIA	19.7	22.3	15.9	THERMIC	0	19	341	0	19	341	360	360	0	91	UDIC
PRIESKA	21.8	26.5	16.2	THERMIC	350	10	0	350	10	0	10	10	75	0	ARIDIC
PUNDA-MARIA	25.4	27.2	22.6 ISO	HYPERTH.	231	129	0	231	129	0	58	58	15	0	ARIDIC
PUSELLA	22.0	24.2	18.6	THERMIC	0	40	320	0	40	320	360	360	0	95	UDIC
QUEENSTOWN	19.3	22.5	15.5	THERMIC	184	176	0	184	176	0	117	117	12	0	USTIC
RABONIE-RANC	19.3	22.8	14.7	THERMIC	169	191	0	169	191	0	102	102	10	0	USTIC
RIVERSDALE	19.8	22.5	16.8	THERMIC	320	40	0	320	40	0	27	27	75	0	ARIDIC
SOMERSET-EAS	20.0	22.6	17.0	THERMIC	144	216	0	144	216	0	114	114	14	0	USTIC

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FOR SAFR

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
SPES-BONA	19.9	24.0	15.4	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
ST-LUCIA-BAY	24.0	25.8	21.8	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
STEGI	21.8	23.4	19.6	ISO THERMIC	0	14	346	0	14	346	360	360	0	91	UDIC
SUTHERLAND	14.9	18.9	10.7	MESIC	276	84	0	276	84	0	84	27	120	0	ARIDIC
TABLE-MOUNTA	15.4	17.5	13.3	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
THABAZIMBI	23.7	26.3	19.5	HYPERTH.	173	187	0	173	187	0	131	131	4	0	USTIC
TOWOOMBA	21.4	24.0	17.3	THERMIC	161	199	0	161	199	0	175	175	0	0	USTIC
TSABONG	22.2	26.2	17.3	HYPERTH.	354	6	0	354	6	0	6	6	99	0	ARIDIC
UMTATA	20.1	22.5	16.7	THERMIC	146	214	0	146	214	0	112	112	6	0	USTIC
UPINGTON SCU	22.6	27.0	17.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
VAN-WYKSVLEI	20.7	25.3	15.8	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
VEREENIGING	18.9	21.9	14.2	THERMIC	53	307	0	53	307	0	286	286	0	0	USTIC
VICTORIA-WES	17.3	21.6	12.2	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
WAKKERSTROOM	16.0	18.6	12.2	THERMIC	0	0	360	0	0	360	360	313	0	120	UDIC
WEPENER	17.9	21.8	13.2	THERMIC	50	310	0	50	310	0	267	160	10	0	USTIC
WILLISTON	19.4	23.8	14.6	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
WILLCWMORE	18.3	22.0	14.2	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
WINGFIELD	19.0	21.5	16.5	THERMIC	117	64	179	117	64	179	243	243	102	120	XERIC
WOODBUSH	17.5	19.0	14.9	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
WORCESTER	19.9	23.0	16.4	THERMIC	273	87	0	273	87	0	87	87	120	0	ARIDIC
ZEERUST	20.9	24.0	16.2	THERMIC	148	212	0	148	212	0	170	170	7	0	USTIC

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FOR SAFR

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ALEXANDER-BA	ARIDIC	0	ISO THERMIC	EXTREME ARIDIC	0	0	0	0				
ALIWAL-NOORD	USTIC	130	THERMIC	TYPIC TEMPUST.	135	66	154	94				
ANORIESFONTE	ARIDIC	26	THERMIC	TYPIC ARIDIC	26	0	26	0				
ARMOEDSVLAKT	ARIDIC	59	THERMIC	WEAK ARIDIC	59	11	97	11				
BARBERTON	USTIC	286	ISO HYPERTH.	UDIC TROPUST.	180	61	180	127				
BARKLY-EAST	UDIC	274	MESIC	TYPIC UDIC					180	180	180	180
BASHEE	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
BEAUFORT WES	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
BEAUFORT-WES	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
BELFAST	UDIC	298	THERMIC	TYPIC UDIC					180	180	180	180
BETHAL	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
BETHLEHEM	UDIC	319	THERMIC	DRY TEMPUDIC					105	98	105	173
BETHULIE	USTIC	110	THERMIC	TYPIC TEMPUST.	105	11	140	16				
BIRD-ISLAND	ARIDIC	58	ISO THERMIC	WEAK ARIDIC	45	13	45	13				
BLOEMFONTEIN	USTIC	133	THERMIC	TYPIC TEMPUST.	135	59	160	94				
BLOEMHOF	ARIDIC	55	THERMIC	WEAK ARIDIC	55	15	92	29				
BOEGOEBERDAM	ARIDIC	10	HYPERTH.	TYPIC ARIDIC	10	0	10	0				
BOSHOF	ARIDIC	81	THERMIC	WEAK ARIDIC	81	9	111	9				
BRANDVLEI	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
CALA	USTIC	141	THERMIC	TYPIC TEMPUST.	141	28	151	43				
CALVINIA	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
CAPE-COLUMBI	ARIDIC	0	ISO THERMIC	EXTREME ARIDIC	0	0	0	0				
CAPE-L,AGULH	USTIC	197	ISO THERMIC	TYPIC TROPUST.	45	152	45	152				
CAPE-ST-FRAN	USTIC	321	ISO THERMIC	UDIC TROPUST.	75	180	141	180				
CAPETOWN	XERIC	255	THERMIC	TYPIC XERIC	45	180	75	180				
CARNAVON	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
CAROLINA	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
CATHCART	USTIC	264	THERMIC	TYPIC TEMPUST.	165	99	176	172				
CEDARA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
CHRISTIANA	ARIDIC	54	THERMIC	WEAK ARIDIC	54	13	83	25				
CLANWILLIAM	ARIDIC	75	HYPERTH.	WEAK ARIDIC	0	75	0	75				
CRADOCK	ARIDIC	17	THERMIC	TYPIC ARIDIC	17	0	30	0				
D. F. MALAN	XERIC	281	THERMIC	TYPIC XERIC	75	180	101	180				
DANGER-POINT	USTIC	249	ISO THERMIC	TYPIC TROPUST.	45	180	69	180				
DASSENEILAND	USTIC	173	ISO THERMIC	ARIDIC TROPUST.	45	128	45	128				
DE-AAR	ARIDIC	22	THERMIC	TYPIC ARIDIC	22	0	22	0				
DEEPWALLS	PERUDIC	360	ISO THERMIC	PERUDIC					180	180	180	180
DIKGATLONG	ARIDIC	19	HYPERTH.	TYPIC ARIDIC	19	15	50	25				
DUNDEE	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
DURBAN	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
EAST LONDON	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
EMERALD-DALE	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
EMPANGENI	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
ERMELO	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
ESTCOURT	UDIC	360	THERMIC	TYPIC UDIC					180	131	180	176

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FOR SAFR

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
FAURESMITH	USTIC	100	THERMIC	TYPIC TEMPUST.	105	32	129	32				
FRANCISTOWN	ARIDIC	29	HYPERTH.	TYPIC ARIDIC	29	15	77	25				
FRASERBURG	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
GABERONES	ARIDIC	49	HYPERTH.	WEAK ARIDIC	49	15	99	28				
GARIES	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
GEORGE SOUTH	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
GERMISTON	UDIC	360	THERMIC	TYPIC UDIC					180	96	180	163
GHANZI	ARIDIC	46	HYPERTH.	WEAK ARIDIC	46	12	99	12				
GOODHOUSE	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
GRAAF-REINET	ARIDIC	15	THERMIC	TYPIC ARIDIC	15	0	15	0				
GRAHAMSTOWN	USTIC	323	THERMIC	TYPIC TEMPUST.	105	180	167	180				
GREAT-FISH-P	ARIDIC	59	ISO THERMIC	WEAK ARIDIC	25	59	25	78				
GROOT-DRAKEN	XERIC	291	THERMIC	TYPIC XERIC	75	180	111	180				
GROOTFONTEIN	ARIDIC	52	THERMIC	WEAK ARIDIC	52	0	68	0				
GROOTSPRUIT	USTIC	143	THERMIC	TYPIC TEMPUST.	105	38	160	97				
HARRISMITH	USTIC	213	THERMIC	TYPIC TEMPUST.	180	91	180	163				
HARTBEESFONT	USTIC	232	THERMIC	TYPIC TEMPUST.	165	67	178	101				
HERMITAGE	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
HLABISA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
IDUTYWA	USTIC	237	ISO THERMIC	TYPIC TROPUST.	162	75	162	75				
JAN SMUTS SO	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
JANSENVILLE	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
JOHANNESBURG	UDIC	360	THERMIC	TYPIC UDIC					180	98	180	173
JONKERSHOEK	USTIC	325	THERMIC	WET TEMPUST.	75	180	145	180				
KASANE	USTIC	215	ISO HYPERTH.	TYPIC TROPUST.	180	20	180	47				
KENHARDT	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
KIMBERLEY	ARIDIC	51	THERMIC	WEAK ARIDIC	51	9	76	9				
KIMBERLEY SO	ARIDIC	29	THERMIC	TYPIC ARIDIC	29	11	52	11				
KING-WILLIAM	USTIC	87	THERMIC	TYPIC TEMPUST.	87	25	127	62				
KLAVER	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
KOKSTAD	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
KOMATIPOORT	USTIC	102	HYPERTH.	TYPIC TEMPUST.	102	18	103	33				
KOPJE-ALLEEN	USTIC	117	THERMIC	TYPIC TEMPUST.	117	29	131	57				
KROONSTAD	USTIC	174	THERMIC	TYPIC TEMPUST.	135	39	171	98				
KURUMAN	ARIDIC	29	THERMIC	TYPIC ARIDIC	29	0	67	0				
LADYSMITH	USTIC	360	THERMIC	WET TEMPUST.					180	69	180	84
LAIANGSBURG	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
LANGGEWENS	XERIC	158	THERMIC	DRY XERIC	45	153	45	153				
LICHTENBURG	USTIC	238	THERMIC	TYPIC TEMPUST.	180	43	180	81				
LINDLEY	USTIC	222	THERMIC	TYPIC TEMPUST.	180	90	180	159				
LOSKOPDAM	USTIC	141	HYPERTH.	TYPIC TEMPUST.	126	25	126	40				
LOUIS-TRICHA	USTIC	345	THERMIC	WET TEMPUST.	180	120	180	165				
LOVEDALE	ARIDIC	53	THERMIC	WEAK ARIDIC	53	19	84	52				
MAFEKING	ARIDIC	50	THERMIC	WEAK ARIDIC	50	18	109	33				
MAHALAPYE	ARIDIC	23	HYPERTH.	TYPIC ARIDIC	23	14	61	27				

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SOUTH AFRICA

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SAFR

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
MARNITZ	ARIDIC	25	HYPERTH.	TYPIC ARIDIC	25	8	42	8				
MASERU	USTIC	161	THERMIC	TYPIC TEMPUST.	165	100	171	161				
MATATIELE	UDIC	360	THERMIC	TYPIC UDIC					180	129	180	174
MATROOSBERG	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
MAUN	ARIDIC	27	HYPERTH.	TYPIC ARIDIC	27	12	76	12				
MBABANE	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
MELMOTH	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	75	180	141
MESSINA	ARIDIC	12	HYPERTH.	TYPIC ARIDIC	12	11	22	18				
MIDDELBURG	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
MISTLEY	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
MOHALESHOEK	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
MOKHOTLONG	USTIC	190	MESIC	TYPIC TEMPUST.	180	93	180	165				
MONTAGU	USTIC	100	THERMIC	TYPIC TEMPUST.	0	100	0	100				
MOSSEL-BAY	ARIDIC	0	ISO THERMIC	EXTREME ARIDIC	0	0	0	0				
MOUNT-EDGECO	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
MOUNT-FLETCH	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
MURRAYBURG	ARIDIC	14	THERMIC	TYPIC ARIDIC	14	0	14	0				
NELSPOORT	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
NELSPRUIT	USTIC	266	HYPERTH.	TYPIC TEMPUST.	180	45	180	105				
NEWCASTLE	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
NOTTINGHAM-R	UDIC	320	THERMIC	TYPIC UDIC					180	180	180	180
OUKIEP	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
ONDERSTEPOOR	USTIC	309	THERMIC	TYPIC TEMPUST.	180	84	180	145				
OTOBOTINI	ARIDIC	44	ISO HYPERTH.	TYPIC ARIDIC	44	24	104	50				
OUDTSHOORN	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
PAULPIETERSB	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
PIET-RETIEF	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
PIETERMARITZ	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
PIETERSBURG	ARIDIC	89	THERMIC	WEAK ARIDIC	89	28	103	43				
PILGRIMS-RES	UDIC	360	THERMIC	TYPIC UDIC					180	180	180	180
POFADDER	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
PORT-ELIZABE	USTIC	228	ISO THERMIC	TYPIC TROPUST.	45	180	48	180				
PORT-NOLLOTH	ARIDIC	0	ISO THERMIC	EXTREME ARIDIC	0	0	0	0				
PORT-SHEPSTO	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
PORT-ST-JOHN	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
POSTMASBURG	ARIDIC	22	THERMIC	TYPIC ARIDIC	22	0	22	0				
POTCHEFSTROO	USTIC	225	THERMIC	TYPIC TEMPUST.	180	30	180	70				
PRETORIA	UDIC	360	THERMIC	TYPIC UDIC					180	91	180	161
PRIESKA	ARIDIC	10	THERMIC	TYPIC ARIDIC	10	0	10	0				
PUNDA-KARIA	ARIDIC	58	ISO HYPERTH.	WEAK ARIDIC	58	15	100	29				
PUSELLA	UDIC	360	THERMIC	DRY TEMPUDIC					180	95	180	140
QUEENSTOWN	USTIC	117	THERMIC	TYPIC TEMPUST.	117	19	142	34				
RABONIE-RANC	USTIC	102	THERMIC	TYPIC TEMPUST.	102	20	156	35				
RIVERSDALE	ARIDIC	27	THERMIC	TYPIC ARIDIC	13	27	13	27				
SOMERSET-EAS	USTIC	114	THERMIC	TYPIC TEMPUST.	105	24	148	68				

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SAFR

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
SPES-BONA	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
ST-LUCIA-BAY	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
STEGI	UDIC	360	ISO THERMIC	TYPIC UDIC					180	91	180	166
SUTHERLAND	ARIDIC	27	MESIC	TYPIC ARIDIC	0	84	0	84				
TABLE-MOUNTA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
THABAZIMBI	USTIC	131	HYPERTH.	TYPIC TEMPUST.	131	20	142	45				
TOWOOMBA	USTIC	175	THERMIC	TYPIC TEMPUST.	160	24	160	39				
TSABONG	ARIDIC	6	HYPERTH.	TYPIC ARIDIC	6	0	6	0				
UMTATA	USTIC	112	THERMIC	TYPIC TEMPUST.	112	27	149	65				
UPINGTON SOU	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
VAN-WYKSVLEI	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
VEREENIGING	USTIC	286	THERMIC	TYPIC TEMPUST.	180	61	180	127				
VICTORIA-WES	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
WAKKERSTROOM	UDIC	313	THERMIC	TYPIC UDIC					180	180	180	180
WEPENER	USTIC	160	THERMIC	TYPIC TEMPUST.	165	102	170	140				
WILLISTON	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
WILLOWMORE	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
WINGFIELD	XERIC	243	THERMIC	DRY XERIC	45	180	63	180				
WOODBUSH	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
WORCESTER	ARIDIC	87	THERMIC	WEAK ARIDIC	0	87	0	87				
ZEERUST	USTIC	170	THERMIC	TYPIC TEMPUST.	165	19	173	39				

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DATE 11/22/81

SOUTH AFRICA

SUDAN

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SUDA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ABU HAMED SU	30.9	34.2	25.3	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
AKOBO	30.5	28.1	31.6	ISO HYPERTH.	150	95	115	150	95	115	201	201	0	0	USTIC
ARGMA	30.8	31.6	27.6	ISO HYPERTH.	331	29	0	331	29	0	14	14	61	0	ARIDIC
ATBARA SUDAN	31.6	34.0	26.8	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
AWEIL	29.8	29.0	28.8	ISO HYPERTH.	153	62	145	153	62	145	207	207	0	0	USTIC
BOR	30.1	28.0	31.2	ISO HYPERTH.	167	84	109	167	84	109	179	179	0	0	USTIC
DIEM-ZUBEIR	31.6	32.8	28.3	ISO HYPERTH.	127	70	163	127	70	163	198	198	0	0	USTIC
DONGALA	30.2	34.0	24.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
ED-DUEIM	31.5	31.7	28.5	ISO HYPERTH.	316	44	0	316	44	0	24	24	38	0	ARIDIC
EL OBEID SUD	28.5	28.8	25.0	ISO HYPERTH.	277	36	47	277	36	47	83	83	22	0	ARIDIC
EL-FASHER	28.5	30.0	25.0	HYPERTH.	316	44	0	316	44	0	26	26	49	0	ARIDIC
EN-NAHUD SUD	28.5	28.8	25.4	ISO HYPERTH.	280	80	0	280	80	0	80	80	25	0	ARIDIC
ERKOWIT	24.6	28.1	20.5	HYPERTH.	284	76	0	284	76	0	67	67	66	0	ARIDIC
GAMBELA	30.0	27.8	31.3	ISO HYPERTH.	122	39	199	122	39	199	226	226	0	0	USTIC
GEBEIT	27.9	31.3	24.4	HYPERTH.	354	6	0	354	6	0	6	6	69	0	ARIDIC
GEDAREF	30.9	30.0	29.3	ISO HYPERTH.	237	27	96	237	27	96	111	111	15	0	USTIC
GENEINA SUDA	26.7	26.9	24.0	ISO HYPERTH.	195	49	116	195	49	116	165	165	15	0	USTIC
JUBA SUDAN	28.8	26.5	30.5	ISO HYPERTH.	110	52	198	110	52	198	221	221	0	0	USTIC
KAGELU	26.8	25.5	27.6	ISO HYPERTH.	65	73	222	65	73	222	287	287	0	0	USTIC
KARIM	31.8	34.8	26.5	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
KARIMA SUDAN	31.0	34.0	25.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
KASSALA SUDA	30.7	30.6	28.0	ISO HYPERTH.	310	50	0	310	50	0	25	25	36	0	ARIDIC
KHARTOUM SUD	31.2	32.3	27.2	HYPERTH.	350	10	0	350	10	0	10	10	65	0	ARIDIC
KOSTI SUDAN	30.0	29.9	27.2	ISO HYPERTH.	290	70	0	290	70	0	43	43	32	0	ARIDIC
KURMUK	30.2	27.2	32.1	ISO HYPERTH.	147	79	134	147	79	134	187	187	0	0	USTIC
LI-YUBU	27.5	25.5	29.2	ISO HYPERTH.	67	73	220	67	73	220	279	279	0	0	USTIC
LOKA	27.2	24.9	29.4	ISO HYPERTH.	73	69	218	73	69	218	276	276	0	0	USTIC
MALAKAL SUDA	29.2	27.6	28.9	ISO HYPERTH.	167	70	123	167	70	123	176	176	0	0	USTIC
NAGISHOT	20.7	18.6	22.6	ISO THERMIC	0	82	278	0	82	278	360	360	0	23	UDIC
NASIR	30.2	28.3	30.5	ISO HYPERTH.	175	78	107	175	78	107	185	185	0	0	USTIC
NYALA	29.4	29.2	27.1	ISO HYPERTH.	258	50	52	258	50	52	94	94	15	0	USTIC
PORT-SUDAN	31.2	34.8	28.2	HYPERTH.	351	9	0	351	9	0	9	9	120	0	ARIDIC
RAGA	28.6	28.1	27.1	ISO HYPERTH.	113	74	173	113	74	173	239	239	0	0	USTIC
RENK	30.2	29.8	28.3	ISO HYPERTH.	266	94	0	266	94	0	82	82	23	0	ARIDIC
ROSIERES	30.6	29.6	29.4	ISO HYPERTH.	191	62	107	191	62	107	161	161	0	0	USTIC
RUMBEK	29.8	28.2	30.0	ISO HYPERTH.	141	70	149	141	70	149	206	206	0	0	USTIC
SENNAR	31.0	30.8	28.7	ISO HYPERTH.	274	47	39	274	47	39	79	79	26	0	ARIDIC
SHAMBE	29.2	28.4	28.6	ISO HYPERTH.	185	74	101	185	74	101	145	145	0	0	USTIC
SHENDI	32.1	34.3	27.7	HYPERTH.	352	8	0	352	8	0	8	8	67	0	ARIDIC
SINGA	31.2	30.6	29.3	ISO HYPERTH.	250	24	86	250	24	86	101	101	15	0	USTIC
STATION-NO-6	28.4	32.1	23.2	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
TOKAR	32.3	35.8	28.8	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
TORIT	29.3	27.1	31.0	ISO HYPERTH.	125	103	132	125	103	132	214	214	0	0	USTIC
WAD MEDANI S	29.8	30.1	26.6	ISO HYPERTH.	297	63	0	297	63	0	28	28	37	0	ARIDIC
WAD-ET-TURAB	30.7	31.9	27.1	ISO HYPERTH.	334	26	0	334	26	0	14	14	61	0	ARIDIC

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FOR SUDA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
WADI-EL-HALF	28.3	32.4	22.2	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
WAU	30.1	28.8	30.1	ISO HYPERTH.	134	64	162	134	64	162	216	216	0	0	USTIC
ZALINEI	26.3	27.2	23.6	ISO HYPERTH.	168	68	124	168	68	124	180	180	15	0	USTIC

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SUDAN

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FOR SUDA

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ABU HAMED SU	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
AKOBO	USTIC	201	ISO HYPERTH.	TYPIC TROPUST.	156	45	156	54				
ARCHA	ARIDIC	14	ISO HYPERTH.	TYPIC ARIDIC	14	7	22	7				
ATBARA SUDAN	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
AWEIL	USTIC	207	ISO HYPERTH.	TYPIC TROPUST.	162	45	162	45				
BOR	USTIC	179	ISO HYPERTH.	ARIDIC TROPUST.	134	45	134	59				
DIEM-ZUBEIR	USTIC	198	ISO HYPERTH.	TYPIC TROPUST.	180	24	180	53				
DONGALA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
ED-DUEIM	ARIDIC	24	ISO HYPERTH.	TYPIC ARIDIC	24	0	44	0				
EL OBEID SUD	ARIDIC	83	ISO HYPERTH.	WEAK ARIDIC	83	0	83	0				
EL-FASHER	ARIDIC	26	HYPERTH.	TYPIC ARIDIC	26	0	44	0				
EN-NAHUD SUD	ARIDIC	80	ISO HYPERTH.	WEAK ARIDIC	80	0	80	0				
ERKOWIT	ARIDIC	67	HYPERTH.	WEAK ARIDIC	9	67	9	67				
GAMBELA	USTIC	226	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	58				
GEBEIT	ARIDIC	6	HYPERTH.	TYPIC ARIDIC	6	0	6	0				
GEDAREF	USTIC	111	ISO HYPERTH.	ARIDIC TROPUST.	111	12	111	12				
GENEINA SUDA	USTIC	165	ISO HYPERTH.	ARIDIC TROPUST.	165	0	165	0				
JUBA SUDAN	USTIC	221	ISO HYPERTH.	TYPIC TROPUST.	176	45	176	74				
KAGELU	USTIC	287	ISO HYPERTH.	UDIC TROPUST.	180	75	180	115				
KARIM	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
KARIMA SUDAN	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
KASSALA SUDA	ARIDIC	25	ISO HYPERTH.	TYPIC ARIDIC	25	0	50	0				
KHARTOUM SUD	ARIDIC	10	HYPERTH.	TYPIC ARIDIC	10	0	10	0				
KOSTI SUDAN	ARIDIC	43	ISO HYPERTH.	TYPIC ARIDIC	43	0	70	0				
KURMUK	USTIC	187	ISO HYPERTH.	TYPIC TROPUST.	172	26	172	41				
LI-YUBU	USTIC	279	ISO HYPERTH.	UDIC TROPUST.	180	75	180	113				
LOKA	USTIC	276	ISO HYPERTH.	UDIC TROPUST.	180	75	180	107				
MALAKAL SUDA	USTIC	176	ISO HYPERTH.	ARIDIC TROPUST.	161	17	161	32				
NAGISHOT	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	75	180	98
NASIR	USTIC	185	ISO HYPERTH.	TYPIC TROPUST.	140	45	140	45				
NYALA	USTIC	94	ISO HYPERTH.	ARIDIC TROPUST.	94	8	94	8				
PORT-SUDAN	ARIDIC	9	HYPERTH.	TYPIC ARIDIC	9	0	9	0				
RAGA	USTIC	239	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	67				
RENK	ARIDIC	82	ISO HYPERTH.	WEAK ARIDIC	82	12	82	12				
ROSIERES	USTIC	161	ISO HYPERTH.	ARIDIC TROPUST.	146	15	146	23				
RUMBEK	USTIC	206	ISO HYPERTH.	TYPIC TROPUST.	161	45	161	58				
SENNAR	ARIDIC	79	ISO HYPERTH.	WEAK ARIDIC	79	7	79	7				
SHAMBE	USTIC	145	ISO HYPERTH.	ARIDIC TROPUST.	130	21	130	45				
SHENDI	ARIDIC	8	HYPERTH.	TYPIC ARIDIC	8	0	8	0				
SINGA	USTIC	101	ISO HYPERTH.	ARIDIC TROPUST.	101	9	101	9				
STATION-NO-6	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
TOKAR	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
TORIT	USTIC	214	ISO HYPERTH.	TYPIC TROPUST.	169	45	169	66				
WAD MEDANI S	ARIDIC	28	ISO HYPERTH.	TYPIC ARIDIC	28	0	63	0				
WAD-ET-TURAB	ARIDIC	14	ISO HYPERTH.	TYPIC ARIDIC	14	0	26	0				

COMPUTED BY FORTRAN PROGRAM V608, APR 1981

DATE 11/22/81

SUDAN

1/6

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR SUDA

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOI. WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
WADI-EL-HALF	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
WAU	USTIC	216	ISO HYPERTH.	TYPIC TROPUST.	171	45	171	55				
ZALINEI	USTIC	180	ISO HYPERTH.	TYPIC TROPUST.	165	15	165	27				

COMPUTED BY FORTRAN PROGRAM WW08, APR 1981 DATE 11/22/81

SUDAN

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR TANZ

TANZANIA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
AMANI	23.2	24.5	21.7	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
ARUSHA	21.6	22.2	20.1	ISO THERMIC	12	89	259	12	89	259	348	348	0	64	USTIC
BAGAMOYO	29.0	30.1	27.8	ISO HYPERTH.	124	132	104	124	132	104	175	175	18	29	USTIC
BIHARAMULO	22.6	22.7	22.3	ISO HYPERTH.	0	100	260	0	100	260	360	360	0	35	USTIC
BUKOBA	23.7	23.8	23.3	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
CHALA	29.7	30.6	28.5	ISO HYPERTH.	147	54	159	147	54	159	187	187	0	0	USTIC
CHUNYA	23.6	23.7	22.1	ISO HYPERTH.	110	53	197	110	53	197	250	250	0	2	USTIC
CHWAKA	29.4	30.3	28.3	ISO HYPERTH.	72	113	175	72	113	175	191	191	19	36	USTIC
DAR ES SALAA	28.3	29.3	26.9	ISO HYPERTH.	113	132	115	113	132	115	197	197	21	40	USTIC
DODOMA	25.2	25.9	23.4	ISO HYPERTH.	175	55	130	175	55	130	185	185	0	0	USTIC
IFAKARA	27.2	28.1	25.2	ISO HYPERTH.	76	80	204	76	80	204	277	277	0	39	USTIC
IRINGA	21.6	22.2	20.1	ISO THERMIC	88	87	185	88	87	185	272	272	0	20	USTIC
ITAGA	26.1	25.5	25.1	ISO HYPERTH.	93	69	198	93	69	198	267	267	0	3	USTIC
KIGOMA	26.0	25.7	25.6	ISO HYPERTH.	79	81	200	79	81	200	267	267	0	5	USTIC
KILINDONI	28.7	29.6	27.6	ISO HYPERTH.	36	65	259	36	65	259	324	324	0	64	USTIC
KILWA	29.5	30.1	28.4	ISO HYPERTH.	147	148	65	147	148	65	148	148	5	0	USTIC
KISAUNI-AIRF	28.5	29.2	27.6	ISO HYPERTH.	0	63	297	0	63	297	360	360	0	56	UDIC
KONDOA	23.8	24.6	22.0	ISO HYPERTH.	113	97	150	113	97	150	247	247	0	15	USTIC
KONGWA	24.6	25.4	22.8	ISO HYPERTH.	176	55	129	176	55	129	184	184	0	0	USTIC
LINDI	28.6	29.4	27.5	ISO HYPERTH.	151	64	145	151	64	145	201	201	0	0	USTIC
LUSHOTO	19.6	21.0	17.9	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
LYAMUNGU	22.1	23.2	20.5	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MAFIA	29.0	29.8	27.8	ISO HYPERTH.	40	63	257	40	63	257	320	320	0	62	USTIC
MALANGALI	23.1	24.1	21.6	ISO HYPERTH.	102	57	201	102	57	201	258	258	0	6	USTIC
MASASI	27.7	28.6	25.9	ISO HYPERTH.	127	73	160	127	73	160	233	233	0	0	USTIC
MBEYA	20.1	20.6	18.1	ISO THERMIC	35	84	241	35	84	241	325	325	0	46	USTIC
MBULU	20.4	20.9	18.6	ISO THERMIC	5	100	255	5	100	255	355	355	0	60	USTIC
MOROGORO	26.8	28.1	24.9	ISO HYPERTH.	95	116	149	95	116	149	223	223	15	44	USTIC
MOSHI	26.0	27.0	24.2	ISO HYPERTH.	130	94	136	130	94	136	219	219	75	61	USTIC
MPWAPWA	24.5	25.3	23.3	ISO HYPERTH.	131	73	156	131	73	156	229	229	0	0	USTIC
MTWARA	28.4	29.1	27.3	ISO HYPERTH.	112	58	190	112	58	190	231	231	0	0	USTIC
MUSOMA	25.6	25.7	25.1	ISO HYPERTH.	103	151	106	103	151	106	169	169	13	31	USTIC
MWANZA	25.3	25.2	24.7	ISO HYPERTH.	21	115	224	21	115	224	311	311	0	29	USTIC
NACHINGWEA	27.1	28.0	25.4	ISO HYPERTH.	104	88	168	104	88	168	244	244	0	3	USTIC
NGOMENI	27.7	28.8	26.4	ISO HYPERTH.	31	64	265	31	64	265	329	329	31	120	USTIC
NJOMBE	18.9	19.7	16.9	ISO THERMIC	43	65	252	43	65	252	317	317	0	57	USTIC
OLD-SHINYANG	26.0	25.8	25.1	ISO HYPERTH.	107	82	171	107	82	171	234	234	0	6	USTIC
SAME-TANZANI	26.0	27.0	24.3	ISO HYPERTH.	234	126	0	234	126	0	69	69	45	0	ARIDIC
SAO-HILL	18.7	19.5	16.8	ISO THERMIC	23	91	246	23	91	246	337	337	0	51	USTIC
SONGEA TANZA	23.4	24.3	21.1	ISO HYPERTH.	85	55	220	85	55	220	275	275	0	25	USTIC
TABORA TANZA	25.7	25.3	24.6	ISO HYPERTH.	86	69	205	86	69	205	274	274	0	10	USTIC
TANGA	28.7	29.8	27.5	ISO HYPERTH.	44	58	258	44	58	258	316	316	44	120	USTIC
TUNDURU	26.0	26.6	24.0	ISO HYPERTH.	124	47	189	124	47	189	236	236	0	0	USTIC
UKIRIGURU	25.5	25.2	24.8	ISO HYPERTH.	104	82	174	104	82	174	256	256	0	9	USTIC
VICTORIA-GAR	29.3	30.4	28.4	ISO HYPERTH.	36	83	241	36	83	241	317	317	23	38	USTIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR TANZ

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
AMANI	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
ARUSHA	USTIC	348	ISO THERMIC	UDIC TROPUST.	180	123	180	168				
BAGAMOYO	USTIC	175	ISO HYPERTH.	ARIDIC TROPUST.	105	70	135	101				
BIHARAMULO	USTIC	360	ISO HYPERTH.	UDIC TROPUST.					180	45	180	80
BUKOBA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
CHALA	USTIC	187	ISO HYPERTH.	TYPIC TROPUST.	172	26	172	41				
CHUNYA	USTIC	250	ISO HYPERTH.	TYPIC TROPUST.	180	55	180	70				
CHWAKA	USTIC	191	ISO HYPERTH.	TYPIC TROPUST.	105	86	145	143				
DAR ES SALAA	USTIC	197	ISO HYPERTH.	TYPIC TROPUST.	105	92	127	120				
DODOMA	USTIC	185	ISO HYPERTH.	TYPIC TROPUST.	170	15	170	15				
IFAKARA	USTIC	277	ISO HYPERTH.	UDIC TROPUST.	180	82	180	104				
IRINGA	USTIC	272	ISO THERMIC	UDIC TROPUST.	180	77	180	92				
ITAGA	USTIC	267	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	87				
KIGOMA	USTIC	267	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	101				
KILINDONI	USTIC	324	ISO HYPERTH.	UDIC TROPUST.	180	99	180	144				
KILWA	USTIC	148	ISO HYPERTH.	ARIDIC TROPUST.	135	15	175	38				
KISAUNI-AIRF	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					105	75	166	131
KONDOA	USTIC	247	ISO HYPERTH.	TYPIC TROPUST.	180	52	180	67				
KONGWA	USTIC	184	ISO HYPERTH.	TYPIC TROPUST.	169	15	169	15				
LINDI	USTIC	201	ISO HYPERTH.	TYPIC TROPUST.	180	15	180	29				
LUSHOTO	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
LYAMUNGU	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
MAFIA	USTIC	320	ISO HYPERTH.	UDIC TROPUST.	180	95	180	140				
MALANGALI	USTIC	258	ISO HYPERTH.	TYPIC TROPUST.	180	63	180	78				
MASASI	USTIC	233	ISO HYPERTH.	TYPIC TROPUST.	180	38	180	53				
MBEYA	USTIC	325	ISO THERMIC	UDIC TROPUST.	180	100	180	145				
MBULU	USTIC	355	ISO THERMIC	UDIC TROPUST.	180	130	180	175				
MOROGORO	USTIC	223	ISO HYPERTH.	TYPIC TROPUST.	135	88	155	110				
MOSHI	USTIC	219	ISO HYPERTH.	TYPIC TROPUST.	105	114	105	125				
MPWAPWA	USTIC	229	ISO HYPERTH.	TYPIC TROPUST.	180	34	180	49				
MTWARA	USTIC	231	ISO HYPERTH.	TYPIC TROPUST.	180	36	180	68				
MUSOMA	USTIC	169	ISO HYPERTH.	ARIDIC TROPUST.	105	64	152	105				
MWANZA	USTIC	311	ISO HYPERTH.	UDIC TROPUST.	180	86	180	159				
NACHINGWEA	USTIC	244	ISO HYPERTH.	TYPIC TROPUST.	180	49	180	76				
NGOMENI	USTIC	329	ISO HYPERTH.	UDIC TROPUST.	105	180	149	180				
NJOMBE	USTIC	317	ISO THERMIC	UDIC TROPUST.	180	122	180	137				
OLD-SHINYANG	USTIC	234	ISO HYPERTH.	TYPIC TROPUST.	180	39	180	73				
SAME-TANZANI	ARIDIC	69	ISO HYPERTH.	WEAK ARIDIC	69	15	101	25				
SAO-HILL	USTIC	337	ISO THERMIC	UDIC TROPUST.	180	112	180	157				
SONGEA TANZA	USTIC	275	ISO HYPERTH.	UDIC TROPUST.	180	80	180	95				
TABORA TANZA	USTIC	274	ISO HYPERTH.	UDIC TROPUST.	180	49	180	94				
TANGA	USTIC	316	ISO HYPERTH.	UDIC TROPUST.	105	180	136	180				
TUNDURU	USTIC	236	ISO HYPERTH.	TYPIC TROPUST.	180	41	180	56				
UKIRIGURU	USTIC	256	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	76				
VICTORIA-GAR	USTIC	317	ISO HYPERTH.	UDIC TROPUST.	105	180	144	180				

COMPUTED BY FORTRAN PROGRAM VW08, APR 1981

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TANZANIA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR TGGC

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ATAKPAME	28.4	26.5	30.0	ISO HYPERTH.	72	80	208	72	80	208	269	269	0	0	USTIC
ATAKPAME TOG	28.4	26.5	29.9	ISO HYPERTH.	57	89	214	57	89	214	274	274	0	0	USTIC
ATILAKCUTSE	24.8	23.0	25.8	ISO HYPERTH.	0	28	332	0	28	332	360	360	0	45	UDIC
LOME.AERO	28.9	27.1	29.9	ISO HYPERTH.	127	112	121	127	112	121	194	194	0	0	USTIC
LOME.VILLE	29.3	27.6	30.2	ISO HYPERTH.	198	93	69	198	93	69	117	117	33	0	USTIC
MANGO.TCGO	30.6	28.7	30.6	ISO HYPERTH.	153	80	127	153	80	127	182	182	0	0	USTIC
NUATJA	29.4	27.6	30.5	ISO HYPERTH.	93	70	197	93	70	197	243	243	0	0	USTIC
PALIME	28.5	27.2	29.0	ISO HYPERTH.	24	78	258	24	78	258	324	324	0	15	USTIC
SOKODE TOGO	28.4	27.1	28.5	ISO HYPERTH.	93	62	205	93	62	205	242	242	0	0	USTIC
TABLIGBO TOG	29.4	27.4	30.7	ISO HYPERTH.	90	88	182	90	88	182	245	245	0	0	USTIC

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TOGO

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR TCGC

NAME OF STATICN	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
*ATAKPAME	USTIC	269	ISO HYPERTH.	TYPIC TROPUST.	180	75	180	108				
*ATAKPAME TOG	USTIC	274	ISO HYPERTH.	UDIC TROPUST.	180	75	180	123				
*ATILAKOLTSE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	105	180	152
*LOME.AERC	USTIC	194	ISO HYPERTH.	TYPIC TROPUST.	149	45	149	84				
*LOME.VILLE	USTIC	117	ISO HYPERTH.	ARIDIC TROPUST.	72	45	91	71				
*MANGO.TOGO	USTIC	182	ISO HYPERTH.	TYPIC TROPUST.	167	18	167	40				
*NUATJA	USTIC	243	ISO HYPERTH.	TYPIC TROPUST.	168	75	168	99				
*PALIME	USTIC	324	ISO HYPERTH.	UDIC TROPUST.	180	105	180	156				
*SOKODE TCGO	USTIC	242	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	87				
*TABLIGBC TCG	USTIC	245	ISO HYPERTH.	TYPIC TROPUST.	170	75	170	100				

COMPUTED BY FORTRAN PROGRAM VW08, APR 1981

DATE 11/22/81

TOGO

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR TUNI

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
AIN-DRAHAM	17.5	22.8	12.4	THERMIC	37	55	268	37	55	268	323	149	37	120	USTIC
BEJA	20.3	26.0	15.2	THERMIC	91	81	188	91	81	188	269	269	91	120	XERIC
BEN-GARDANE	21.9	26.4	16.3	THERMIC	273	87	0	273	87	0	87	87	120	0	ARIDIC
BIZERTE	20.6	24.9	16.5	THERMIC	87	85	188	87	85	188	273	273	87	120	XERIC
DJERBA	22.5	26.5	18.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
EL-DJEM	21.7	27.0	16.4	THERMIC	253	107	0	253	107	0	107	107	120	0	USTIC
EL-FEIDJA	16.8	22.5	12.0	THERMIC	69	56	235	69	56	235	291	141	69	120	XERIC
GABES	21.8	26.1	16.7	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
GABES TUNISI	21.8	26.2	17.0	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
GAFSA	22.2	27.9	15.6	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
GHADAMES	24.2	30.4	17.5	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
GROMBALIA	20.2	24.9	15.6	THERMIC	96	96	168	96	96	168	264	264	96	120	XERIC
KAIROUAN	21.7	27.1	16.5	THERMIC	281	79	0	281	79	0	79	79	120	0	ARIDIC
KEBILI	23.4	29.9	16.4	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
KELIBIA	21.1	25.7	16.6	THERMIC	108	94	158	108	94	158	252	252	105	120	XERIC
LEKEF	18.7	24.7	13.3	THERMIC	112	67	181	112	67	181	248	150	97	120	XERIC
MAKTAR	16.8	23.0	11.2	THERMIC	137	54	169	137	54	169	223	126	92	105	XERIC
MATMATA	21.4	27.0	15.3	THERMIC	243	117	0	243	117	0	117	117	120	0	USTIC
MEDENINE	23.0	28.0	17.5	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
MEDJEZ-EL-BA	20.6	26.0	15.5	THERMIC	168	48	144	168	48	144	192	192	120	105	XERIC
METLAOUI	22.8	29.1	16.5	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
RAMADA	23.5	28.9	17.7	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
SEBHA	25.0	30.1	18.7	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
SFAX	21.5	25.4	16.9	THERMIC	360	0	0	360	0	0	0	0	120	0	ARIDIC
SOLIMAN	20.3	25.2	15.7	THERMIC	98	106	156	98	106	156	262	262	98	112	XERIC
SOUK-EL-ARBA	20.4	26.2	15.3	THERMIC	155	48	157	155	48	157	205	205	110	105	XERIC
SOUSSE	21.0	25.2	16.5	THERMIC	233	127	0	233	127	0	118	118	75	0	USTIC
TABARKA	20.5	24.8	16.3	THERMIC	70	64	226	70	64	226	279	279	51	120	XERIC
TATAHOUINE	22.8	28.0	16.9	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
TEBOURSOUK	19.3	24.8	14.3	THERMIC	115	76	169	115	76	169	245	245	100	112	XERIC
THALA	17.8	23.9	12.3	THERMIC	147	47	166	147	47	166	213	131	102	105	XERIC
THIBAR	20.3	26.2	15.2	THERMIC	86	80	194	86	80	194	274	274	86	120	XERIC
TOZEUR	23.8	30.3	17.3	HYPERTH.	360	0	0	360	0	0	0	0	120	0	ARIDIC
TUNIS CARTHA	20.8	25.5	16.5	THERMIC	101	107	152	101	107	152	259	259	101	105	XERIC
TUNIS-EL-AOU	20.8	25.4	16.4	THERMIC	169	49	142	169	49	142	191	191	120	105	XERIC
TUNIS-MANOUB	20.5	25.3	15.9	THERMIC	142	74	144	142	74	144	194	194	105	105	XERIC
ZAGHOUAN	20.4	25.8	15.5	THERMIC	96	109	155	96	109	155	264	264	96	105	XERIC
ZAOUEN	20.4	26.3	15.3	THERMIC	126	61	173	126	61	173	234	234	111	120	XERIC

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TUNISIA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR TUNI

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
AIN-DRAHAM	USTIC	149	THERMIC	WET TEMPUST.	105	180	143	180				
BEJA	XERIC	269	THERMIC	DRY XERIC	75	180	89	180				
BEN-GARDANE	ARIDIC	87	THERMIC	WEAK ARIDIC	0	87	0	87				
BIZERTE	XERIC	273	THERMIC	TYPIC XERIC	75	180	93	180				
DJERBA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
EL-DJEM	USTIC	107	THERMIC	TYPIC TEMPUST.	0	107	0	107				
EL-FEIDJA	XERIC	141	THERMIC	TYPIC XERIC	75	180	111	180				
GABES	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
GABES TUNISI	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
GAFSA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
GHADAMES	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
GROMBALIA	XERIC	264	THERMIC	DRY XERIC	75	180	84	180				
KAIROUAN	ARIDIC	79	THERMIC	WEAK ARIDIC	0	79	0	79				
KEBILI	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
KELIBIA	XERIC	252	THERMIC	DRY XERIC	75	177	75	177				
LEKEF	XERIC	150	THERMIC	DRY XERIC	45	180	68	180				
MAKTAR	XERIC	126	THERMIC	DRY XERIC	28	180	43	180				
MATMATA	USTIC	117	THERMIC	TYPIC TEMPUST.	0	117	0	117				
MEDENINE	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
MEDJEZ-EL-BA	XERIC	192	THERMIC	DRY XERIC	15	177	15	177				
METLAOUI	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
RAMADA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
SEBHA	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
SFAX	ARIDIC	0	THERMIC	EXTREME ARIDIC	0	0	0	0				
SOLIMAN	XERIC	262	THERMIC	DRY XERIC	75	180	82	180				
SOUK-EL-ARBA	XERIC	205	THERMIC	DRY XERIC	15	180	25	180				
SOUSSE	USTIC	118	THERMIC	TYPIC TEMPUST.	9	118	9	118				
TABARKA	XERIC	279	THERMIC	TYPIC XERIC	75	180	110	180				
TATAHOUINE	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
TEBOURSOUK	XERIC	245	THERMIC	DRY XERIC	45	180	65	180				
THALA	XERIC	131	THERMIC	DRY XERIC	18	180	33	180				
THIBAR	XERIC	274	THERMIC	TYPIC XERIC	75	180	94	180				
TOZEUR	ARIDIC	0	HYPERTH.	EXTREME ARIDIC	0	0	0	0				
TUNIS CARTHA	XERIC	259	THERMIC	DRY XERIC	75	180	79	180				
TUNIS-EL-ACU	XERIC	191	THERMIC	DRY XERIC	15	176	15	176				
TUNIS-MANOUB	XERIC	194	THERMIC	DRY XERIC	24	179	39	179				
ZAGHOUAN	XERIC	264	THERMIC	DRY XERIC	75	180	84	180				
ZACUEM	XERIC	234	THERMIC	DRY XERIC	45	180	54	180				

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TUNISIA

23

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR UGAN

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ARUA	25.3	23.5	26.9	ISO HYPERTH.	0	75	285	0	75	285	360	360	0	30	UDIC
BUKALASA	25.2	24.1	26.2	ISO HYPERTH.	0	32	328	0	32	328	360	360	0	45	UDIC
BUTIABA	28.1	27.2	28.8	ISO HYPERTH.	195	165	0	195	165	0	25	25	15	0	ARIDIC
ENTEBBE	24.0	23.1	24.4	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
ENTEBBE UGAN	24.0	23.1	24.6	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
FORT-PORTAL	21.6	21.0	21.8	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
GULU UGANDA	25.6	24.0	27.1	ISO HYPERTH.	0	78	282	0	78	282	360	360	0	27	UDIC
HOIMA	25.1	23.9	26.4	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
KABALE	19.2	19.2	18.7	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
KAMPALA	24.5	23.2	25.8	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
KITGUM	27.0	25.4	28.3	ISO HYPERTH.	52	76	232	52	76	232	292	292	0	7	USTIC
LIRA.DEGANDA	25.8	24.1	27.3	ISO HYPERTH.	2	76	282	2	76	282	358	358	0	27	UDIC
MASAKA	23.5	23.9	23.0	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MBALE	25.3	24.0	26.5	ISO HYPERTH.	0	83	277	0	83	277	360	360	0	22	UDIC
MBARARA	23.0	23.1	22.9	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
MOROTO	24.8	23.3	26.2	ISO HYPERTH.	48	96	216	48	96	216	284	284	0	0	USTIC
MOYO	26.8	24.6	29.5	ISO HYPERTH.	58	69	233	58	69	233	291	291	0	8	USTIC
MUBENDE	22.9	22.2	23.8	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
SERERE	26.5	24.8	28.3	ISO HYPERTH.	3	80	277	3	80	277	357	357	0	22	UDIC
SOROTI	26.6	24.8	28.3	ISO HYPERTH.	42	55	263	42	55	263	298	298	0	15	USTIC
TORORO	25.0	23.8	26.0	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC

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UGANDA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR UGAN

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ARLA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	105
BUKALASA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	105	180	148
BUTIABA	ARIDIC	25	ISO HYPERTH.	TYPIC ARIDIC	24	25	97	68				
ENTEBBE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
ENTEBBE UGAN	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
FORT-PORTAL	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
GULU UGANDA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	102
HOIMA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
KABALE	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
KAMPALA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
KITGUM	USTIC	292	ISO HYPERTH.	UDIC TROPUST.	180	75	180	128				
LIRA.OEGANDA	UDIC	358	ISO HYPERTH.	DRY TROPUDIC	180	105	180	178				
MASAKA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
MBALE	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	97
MBARARA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
MOROTO	USTIC	284	ISO HYPERTH.	UDIC TROPUST.	180	75	180	132				
MOYO	USTIC	291	ISO HYPERTH.	UDIC TROPUST.	180	75	180	122				
MUBENDE	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
SERERE	UDIC	357	ISO HYPERTH.	DRY TROPUDIC	180	105	180	177				
SOROTI	USTIC	298	ISO HYPERTH.	UDIC TROPUST.	180	75	180	138				
TORORO	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180

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UGANDA

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR UVOL

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BOBO-DIOULAS	29.4	28.3	28.3	ISO HYPERTH.	144	86	130	144	86	130	191	191	0	0	USTIC
BOROMO	30.5	29.4	29.0	ISO HYPERTH.	176	70	114	176	70	114	171	171	0	0	USTIC
DORI.VOLTA	30.9	30.6	27.7	ISO HYPERTH.	259	49	52	259	49	52	94	94	15	0	USTIC
FADA.N,GOURM	30.9	30.1	29.2	ISO HYPERTH.	188	66	106	188	66	106	160	160	0	0	USTIC
GAOUA	30.0	28.3	30.2	ISO HYPERTH.	130	67	163	130	67	163	220	220	0	0	USTIC
OUAGADOUGOU	30.7	29.5	28.9	ISO HYPERTH.	188	65	107	188	65	107	161	161	0	0	USTIC
OUAHIGOUYA	31.0	30.2	28.2	ISO HYPERTH.	227	33	100	227	33	100	119	119	15	0	USTIC

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UPPER VOLTA

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DETERMINATION OF SCIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR UVOL

NAME OF STATICN	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MO.ST(2+3) SUM. WINT		CUM.DAYS MOIST(2+3) SUM. WINT		CONS.DAYS CONP.MOIST SUM. WINT	CUM.DAYS CONP.MOI. SUM. WINT
*BOBO-DICULAS	USTIC	191	ISO HYPERTH.	TYPIC TROPUST.	176	25	176	40		
*BCRGMO	USTIC	171	ISO HYPERTH.	ARIDIC TRCPUST.	156	15	156	28		
*DORI.VOLTA	USTIC	94	ISO HYPERTH.	ARIDIC TROPUST.	94	7	94	7		
*FADA.N,GOURM	USTIC	160	ISO HYPERTH.	ARIDIC TRCPUST.	145	15	145	27		
*GACUA	USTIC	220	ISC HYPERTH.	TYPIC TROPUST.	175	45	175	55		
*OUAGADOUGOU	USTIC	161	ISO HYPERTH.	ARIDIC TRCPUST.	146	15	146	26		
*OUAHIGOUYA	USTIC	119	ISO HYPERTH.	ARIDIC TRCPUST.	119	14	119	14		

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UPPER VOLTA

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ZAIR

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	N/D	MOI	WHEN SOIL TEMP >5 DRY	N/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BAMBESA	26.6	26.0	26.8	ISO HYPERTH.	0	1	359	0	1	359	360	360	0	75	UDIC
BENI	24.0	23.0	24.2	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
BOENDE	28.0	28.0	27.7	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	PERUDIC
BUNIA	24.0	23.0	24.2	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
BUTEMBO	19.9	19.7	19.7	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
EALA	28.0	27.3	28.5	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
GANDAJIKA	26.6	26.6	26.2	ISO HYPERTH.	40	70	250	40	70	250	320	320	0	15	USTIC
GEMENA	27.8	27.1	28.2	ISO HYPERTH.	0	53	307	0	53	307	360	360	0	26	UDIC
INGNGO	28.6	28.5	28.3	ISO HYPERTH.	0	24	336	0	24	336	360	360	0	75	UDIC
KABAMBARE	27.2	25.7	27.3	ISO HYPERTH.	22	82	256	22	82	256	327	327	0	15	USTIC
KABINDA	27.0	26.5	27.6	ISO HYPERTH.	44	65	251	44	65	251	316	316	0	15	USTIC
KALEMIE	25.6	25.6	24.4	ISO HYPERTH.	34	69	257	34	69	257	326	326	0	32	USTIC
KINSHASA	27.7	27.8	25.9	ISO HYPERTH.	48	41	271	48	41	271	312	312	0	16	UDIC
KISANGANI	28.1	27.5	28.3	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
KONGOLO	27.2	25.7	27.3	ISO HYPERTH.	69	78	213	69	78	213	278	278	0	0	USTIC
LUBUMBASHI	23.2	23.3	20.8	ISO HYPERTH.	67	54	239	67	54	239	293	293	0	14	USTIC
MADIMBA	27.8	27.8	25.9	ISO HYPERTH.	42	73	245	42	73	245	318	318	0	20	USTIC
MITWABA	22.3	22.2	21.4	ISO HYPERTH.	20	88	252	20	88	252	340	340	0	27	USTIC
NDOLA	22.2	22.8	19.0	ISO HYPERTH.	59	88	213	59	88	213	301	301	0	18	USTIC
NIOKA	21.4	20.0	22.3	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
POKO	27.4	26.7	27.7	ISO HYPERTH.	0	11	349	0	11	349	360	360	0	75	UDIC
TSHELA	26.1	26.7	23.5	ISO HYPERTH.	49	50	261	49	50	261	311	311	0	36	USTIC
UVIRA	26.4	26.2	26.1	ISO HYPERTH.	76	93	191	76	93	191	259	259	0	26	USTIC
WAMBA	25.9	25.1	26.3	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
YANGAMBI	27.1	26.6	27.4	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC

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ZAIRE

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ZAIR

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
BAMBESA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	135	180	179
BENI	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
BOENDE	PERUDIC	360	ISO HYPERTH.	PERUDIC					180	180	180	180
BUNIA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
BUTEMBO	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
EALA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
GANDAJIKA	USTIC	320	ISO HYPERTH.	UDIC TROPUST.	180	105	180	140				
GEMENA	UDIC	360	ISO HYPERTH.	DRY TROPUDIC					180	75	180	127
INCNGO	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	135	180	156
KABAMBARE	USTIC	327	ISO HYPERTH.	UDIC TROPUST.	180	105	180	158				
KABINDA	USTIC	316	ISO HYPERTH.	UDIC TROPUST.	180	105	180	136				
KALEMIE	USTIC	326	ISO HYPERTH.	UDIC TROPUST.	180	75	180	146				
KINSHASA	UDIC	312	ISO HYPERTH.	DRY TROPUDIC	180	75	180	132				
KISANGANI	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
KONGOLO	USTIC	278	ISO HYPERTH.	UDIC TROPUST.	180	75	180	111				
LUBUMBASHI	USTIC	293	ISO HYPERTH.	UDIC TROPUST.	180	68	180	113				
MADIMBA	USTIC	318	ISO HYPERTH.	UDIC TROPUST.	180	75	180	138				
MITWABA	USTIC	340	ISO HYPERTH.	UDIC TROPUST.	180	85	180	160				
NDOLA	USTIC	301	ISO HYPERTH.	UDIC TROPUST.	180	76	180	121				
NICKA	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
POKO	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	135	180	169
TSHELA	USTIC	311	ISO HYPERTH.	UDIC TROPUST.	180	86	180	131				
UVIRA	USTIC	259	ISO HYPERTH.	TYPIC TROPUST.	180	64	180	104				
WAMBA	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
YANGAMBI	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180

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DATE 11/22/81

ZAIRE

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ZAMB

ZAMBIA

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
ABERCORN	22.2	21.9	20.8	ISO HYPERTH.	61	78	221	61	78	221	299	299	0	26	USTIC
BALOVALE	24.6	24.8	21.9	ISO HYPERTH.	86	91	183	86	91	183	274	274	0	0	USTIC
BROKEN HILL	22.5	22.7	19.6	ISO HYPERTH.	70	95	195	70	95	195	290	290	0	0	USTIC
CHINSALI	23.3	23.4	21.0	ISO HYPERTH.	78	90	192	78	90	192	282	282	0	0	USTIC
CHIPATA	24.0	24.0	21.6	ISO HYPERTH.	72	83	205	72	83	205	288	286	0	10	USTIC
FORT-JAMESON	24.4	24.7	22.0	ISO HYPERTH.	74	85	201	74	85	201	286	286	0	6	USTIC
FORT-ROSEBER	22.8	23.5	19.8	ISO HYPERTH.	54	82	224	54	82	224	306	306	0	29	USTIC
ISOKA-ZAMBIA	23.2	23.5	21.3	ISO HYPERTH.	69	83	208	69	83	208	291	291	0	13	USTIC
KABWE	23.9	24.1	20.8	ISO HYPERTH.	73	96	191	73	96	191	287	287	0	0	USTIC
KASAMA ZAMBI	22.5	22.1	20.5	ISO HYPERTH.	66	81	213	66	81	213	294	294	0	18	USTIC
KASEMPA	21.8	22.6	18.9	ISO THERMIC	56	85	219	56	85	219	304	304	0	24	USTIC
KAWAMBWA	23.5	23.4	21.8	ISO HYPERTH.	37	76	247	37	76	247	323	323	0	22	USTIC
LIVINGSTONE	24.3	24.7	20.9	ISO HYPERTH.	75	97	188	75	97	188	285	285	0	0	USTIC
LIVINGSTONE	24.2	24.6	20.7	ISO HYPERTH.	74	96	190	74	96	190	257	257	0	0	USTIC
LUANGWA-BRID	28.2	28.7	24.8	ISO HYPERTH.	159	94	107	159	94	107	187	187	0	0	USTIC
LUNDAZI	22.6	23.7	19.5	ISO HYPERTH.	69	88	203	69	88	203	268	268	0	8	USTIC
LUSAKA	23.0	23.4	20.3	ISO HYPERTH.	76	96	188	76	96	188	284	284	0	0	USTIC
MANKOYA	23.3	24.3	19.9	ISO HYPERTH.	68	96	196	68	96	196	292	292	0	0	USTIC
MONGU	25.0	25.2	22.3	ISO HYPERTH.	86	89	185	86	89	185	274	274	0	0	USTIC
MPIKA	22.1	22.6	19.4	ISO HYPERTH.	61	89	210	61	89	210	299	299	0	15	USTIC
MSORO	26.1	26.7	23.1	ISO HYPERTH.	87	91	182	87	91	182	273	273	0	0	USTIC
MWENZO	21.4	21.5	19.6	ISO THERMIC	52	82	226	52	82	226	308	308	0	31	USTIC
MWINILUNGA	22.6	23.0	20.5	ISO HYPERTH.	24	87	249	24	87	249	336	336	0	24	USTIC
NAMWALA	23.4	24.6	19.7	ISO HYPERTH.	68	126	164	68	128	164	263	263	0	0	USTIC
NDOLA	22.2	22.3	19.7	ISO HYPERTH.	61	82	217	61	82	217	299	299	0	22	USTIC
PETAUKE	25.1	25.3	22.4	ISO HYPERTH.	89	90	181	89	90	181	271	271	0	0	USTIC
SENANGA	25.4	25.9	22.5	ISO HYPERTH.	100	83	177	100	83	177	241	241	0	0	USTIC
SERENJE	21.8	22.2	19.1	ISO THERMIC	58	89	213	58	89	213	302	302	0	18	USTIC
SOLWEZI	22.2	23.1	19.1	ISO HYPERTH.	49	53	258	49	53	258	311	311	0	33	USTIC

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DATE 03/11/82

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR ZAMB

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
ABERCORN	USTIC	299	ISO HYPERTH.	UDIC TROPUST.	180	74	180	119				
GALOVALE	USTIC	274	ISO HYPERTH.	UDIC TROPUST.	180	49	180	94				
BROKEN HILL	USTIC	290	ISO HYPERTH.	UDIC TROPUST.	180	65	180	110				
CHINSALI	USTIC	282	ISO HYPERTH.	UDIC TROPUST.	180	57	180	102				
CHIPATA	USTIC	288	ISO HYPERTH.	UDIC TROPUST.	180	63	180	108				
FORT-JAMESON	USTIC	286	ISO HYPERTH.	UDIC TROPUST.	180	61	180	106				
FORT-ROSEBER	USTIC	306	ISO HYPERTH.	UDIC TROPUST.	180	81	180	126				
ISOKA-ZAMBIA	USTIC	291	ISO HYPERTH.	UDIC TROPUST.	180	66	180	111				
KABWE	USTIC	287	ISO HYPERTH.	UDIC TROPUST.	180	62	180	107				
KASAMA ZAMBI	USTIC	294	ISO HYPERTH.	UDIC TROPUST.	180	69	180	114				
KASEMPA	USTIC	304	ISO THERMIC	UDIC TROPUST.	180	79	180	124				
KAWAMBWA	USTIC	323	ISO HYPERTH.	UDIC TROPUST.	180	75	180	143				
LIVINGSTONE	USTIC	285	ISO HYPERTH.	UDIC TROPUST.	180	60	180	105				
LIVINGSTONE	USTIC	257	ISO HYPERTH.	TYPIC TROPUST.	180	62	180	106				
LUANGWA-BRID	USTIC	187	ISO HYPERTH.	TYPIC TROPUST.	172	15	172	29				
LUNCAZI	USTIC	268	ISO HYPERTH.	TYPIC TROPUST.	180	73	180	111				
LUSAKA	USTIC	284	ISO HYPERTH.	UDIC TROPUST.	180	59	180	104				
MANKOYA	USTIC	292	ISO HYPERTH.	UDIC TROPUST.	180	67	180	112				
MONGU	USTIC	274	ISO HYPERTH.	UDIC TROPUST.	180	49	180	94				
MPIKA	USTIC	299	ISO HYPERTH.	UDIC TROPUST.	180	74	180	119				
MSORO	USTIC	273	ISO HYPERTH.	UDIC TROPUST.	180	48	180	93				
MWENZO	USTIC	308	ISO THERMIC	UDIC TROPUST.	180	83	180	128				
MWINILUNGA	USTIC	336	ISO HYPERTH.	UDIC TROPUST.	180	81	180	156				
NAMWALA	USTIC	263	ISO HYPERTH.	TYPIC TROPUST.	180	68	180	112				
NDOLA	USTIC	299	ISO HYPERTH.	UDIC TROPUST.	180	74	180	119				
PETAUKE	USTIC	271	ISO HYPERTH.	UDIC TROPUST.	180	46	180	91				
SENANGA	USTIC	241	ISO HYPERTH.	TYPIC TROPUST.	180	46	180	80				
SERENJE	USTIC	302	ISO THERMIC	UDIC TROPUST.	180	77	180	122				
SOLWEZI	USTIC	311	ISO HYPERTH.	UDIC TROPUST.	180	86	180	131				

COMPLTED BY FORTRAN PROGRAM VWC8, APR 1981

DATE 03/11/82

ZAMBIA

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ZIMBABWE

DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR RHOD

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX. CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
BANKET RES S	22.5	23.3	19.7	ISO HYPERTH.	57	87	216	57	87	216	303	303	0	21	USTIC
BEITBRIDGE	25.6	28.0	21.7	HYPERTH.	340	20	0	340	20	0	10	10	95	0	ARIDIC
BINDURA	22.3	23.7	18.8	ISO HYPERTH.	47	90	223	47	90	223	313	313	0	28	USTIC
BINGA	27.5	27.8	24.6	ISO HYPERTH.	211	26	123	211	26	123	142	142	0	0	USTIC
BIRCHENOUGH	25.1	26.9	21.5	HYPERTH.	300	60	0	300	60	0	21	21	60	0	ARIDIC
BUHERA	21.7	23.2	18.5	ISO THERMIC	44	91	225	44	91	225	316	316	0	30	USTIC
BULAWAYO GOE	21.7	23.0	18.6	ISO THERMIC	140	96	124	140	96	124	220	220	0	0	USTIC
BULAWAYO AIR	22.2	23.5	19.1	ISO HYPERTH.	117	110	133	117	110	133	214	214	0	0	USTIC
CHIBERO	21.4	22.8	18.2	ISO THERMIC	42	88	230	42	88	230	318	318	0	35	USTIC
CHIPINGA EXP	21.6	23.3	19.0	ISO THERMIC	0	50	310	0	50	310	360	360	0	85	UDIC
CHIPINGA	21.4	22.7	19.0	ISO THERMIC	0	42	318	0	42	318	360	360	0	93	UDIC
CHIRUNDU SUG	27.1	27.9	23.6	ISO HYPERTH.	211	32	117	211	32	117	141	141	0	0	USTIC
ENKELDOORN	20.6	22.0	17.6	ISO THERMIC	43	97	220	43	97	220	317	317	0	25	USTIC
FORT-VICTORI	21.7	23.6	18.1	THERMIC	93	119	148	93	119	148	242	242	0	0	USTIC
FORT VICTORI	21.7	23.5	18.3	THERMIC	96	120	144	96	120	144	264	264	0	0	USTIC
GATOOMA	23.2	24.1	20.0	ISO HYPERTH.	68	96	196	68	96	196	292	292	0	0	USTIC
GATOOMA CRI	23.5	24.5	20.5	ISO HYPERTH.	72	97	191	72	97	191	288	288	0	0	USTIC
GOKWE	22.9	23.6	19.9	ISO HYPERTH.	66	91	203	66	91	203	294	294	0	8	USTIC
GRAND REEF	22.6	24.1	19.4	ISO HYPERTH.	62	90	208	62	90	208	298	298	0	13	USTIC
GUTU	20.8	22.0	17.8	ISO THERMIC	39	93	228	39	93	228	321	321	0	33	USTIC
GWEBI	20.6	22.0	17.6	ISO THERMIC	40	91	229	40	91	229	320	320	0	34	USTIC
GWELO THORNH	20.2	21.7	16.8	ISO THERMIC	50	87	223	50	87	223	310	310	0	28	USTIC
HARTLEY	22.3	23.6	18.9	ISO HYPERTH.	55	93	212	55	93	212	305	305	0	17	USTIC
HENDERSON	20.8	22.5	17.3	THERMIC	31	90	239	31	90	239	329	329	0	44	USTIC
HENDERSON	20.8	22.5	17.4	THERMIC	31	87	242	31	87	242	329	329	0	47	USTIC
HOPE PATROL	17.6	19.0	15.1	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
HOPE MAPOPO	17.9	19.2	15.4	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
HOT SPRINGS	25.2	26.9	21.3	HYPERTH.	269	91	0	269	91	0	29	29	55	0	ARIDIC
INYANGA	17.2	18.5	14.2	ISO THERMIC	0	54	306	0	54	306	360	360	0	81	UDIC
INYANGA ESO	17.2	18.5	14.2	ISO THERMIC	0	31	329	0	31	329	360	360	0	104	UDIC
INYANGI LULU	22.3	23.4	19.7	ISO HYPERTH.	0	0	360	0	0	360	360	360	0	120	UDIC
KARIBA GORGE	28.4	28.6	25.6	ISO HYPERTH.	214	33	113	214	33	113	137	137	0	0	USTIC
KAROI	22.2	22.8	19.4	ISO HYPERTH.	57	90	213	57	90	213	303	303	0	18	USTIC
KEZI	22.9	24.6	19.1	HYPERTH.	229	131	0	229	131	0	115	115	20	0	USTIC
LUPANE	23.7	25.3	19.6	HYPERTH.	149	98	113	149	98	113	197	197	0	0	USTIC
LUSULU	24.7	25.4	21.7	ISO HYPERTH.	98	88	174	98	88	174	243	243	0	0	USTIC
MAKOHOLI	21.5	23.2	18.3	ISO THERMIC	75	85	200	75	85	200	285	285	0	5	USTIC
MARANDELLAS	19.6	20.8	16.7	ISO THERMIC	3	107	250	3	107	250	357	357	0	55	USTIC
MARTIN FORES	20.2	21.5	17.6	ISO THERMIC	0	45	315	0	45	315	360	360	0	90	UDIC
MATOPOS SANV	20.7	22.5	16.9	THERMIC	103	120	137	103	120	137	257	257	0	0	USTIC
MATOPOS NURS	20.6	22.3	16.9	THERMIC	109	111	140	109	111	140	251	251	0	0	USTIC
MONDORO	21.9	23.5	18.5	THERMIC	49	97	214	49	97	214	311	311	0	19	USTIC
MOUNT DARWIN	23.1	24.5	19.5	ISO HYPERTH.	70	92	198	70	92	198	268	268	0	3	USTIC
MTOKO	22.1	23.3	19.2	ISO HYPERTH.	57	98	205	57	98	205	303	303	0	10	USTIC
NCEMA DAM	21.7	23.7	17.9	THERMIC	90	99	171	90	99	171	270	270	0	0	USTIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR RHOD

NAME OF STATION	MEAN SOIL TEMPERATURE ANN	SUMM	WINT	TEMPERATURE REGIME	CUMULATIVE DAYS MSC IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX.CONSECUTIVE DAYS THAT MCS IS MOIST IN SOME PARTS IN ONE YEAR	WHEN SOIL TEMP > 8	DRY AFTER SUMMER SOLST.	MOIST AFTER WINTER SOLST.	MOISTURE REGIME
NKAI	22.8	24.2	19.2	ISO HYPERTH.	100	125	135	100	125	135	232	232	0	0	USTIC
NUANETSI	24.6	26.9	20.5	HYPERTH.	292	68	0	292	68	0	19	19	35	0	ARIDIC
NYAMANDHLOVU	22.9	24.0	19.8	ISO HYPERTH.	176	81	103	176	81	103	161	161	0	0	USTIC
NYANYADZI	25.2	27.1	21.6	HYPERTH.	284	76	0	284	76	0	26	26	53	0	ARIDIC
PLUMTREE	22.2	23.3	19.1	ISO HYPERTH.	156	118	86	156	118	86	179	179	0	0	USTIC
QUE QUE	22.4	23.7	19.0	ISO HYPERTH.	93	92	175	93	92	175	267	267	0	0	USTIC
RUSAPE	20.0	21.6	16.8	ISO THERMIC	1	107	252	1	107	252	359	359	0	57	USTIC
SABI VALLEY	25.0	26.9	21.4	HYPERTH.	280	80	0	280	80	0	20	20	33	0	ARIDIC
SALISBURY AI	21.2	22.4	18.3	ISO THERMIC	44	91	225	44	91	225	316	316	0	30	USTIC
SAMUA PANMUR	23.2	24.9	19.6	HYPERTH.	74	87	199	74	87	199	269	269	0	4	USTIC
SHABANI	22.9	24.6	19.6	HYPERTH.	179	105	76	179	105	76	159	159	0	0	USTIC
SINOIA	22.7	23.8	19.4	ISO HYPERTH.	56	93	211	56	93	211	304	304	0	16	USTIC
SIPOLILO	22.5	23.1	19.6	ISO HYPERTH.	59	88	213	59	88	213	301	301	0	18	USTIC
SOUTHDOWN	21.5	23.5	18.5	THERMIC	0	34	326	0	34	326	360	360	0	101	UDIC
TJOLOTJO	23.5	24.9	20.0	ISO HYPERTH.	183	72	105	183	72	105	163	163	0	0	USTIC
TRELAWNEY RE	22.2	23.0	19.3	ISO HYPERTH.	58	90	212	58	90	212	302	302	0	17	USTIC
TRIANGLE	24.8	26.9	20.9	HYPERTH.	217	143	0	217	143	0	101	101	4	0	USTIC
TRIANGLE MIL	24.8	26.9	20.9	HYPERTH.	238	122	0	238	122	0	83	83	22	0	ARIDIC
TULI	23.7	25.6	19.6	HYPERTH.	266	94	0	266	94	0	25	25	27	0	ARIDIC
TULI ESTATE	23.4	25.6	19.4	HYPERTH.	283	77	0	283	77	0	21	21	33	0	ARIDIC
UMTALI FIRE	21.7	23.4	18.8	ISO THERMIC	37	101	222	37	101	222	323	323	0	27	USTIC
UMVUMA	21.0	22.3	17.7	ISO THERMIC	47	92	221	47	92	221	313	313	0	26	USTIC
UMVUKWES	20.5	21.7	17.7	ISO THERMIC	44	89	227	44	89	227	316	316	0	32	USTIC
VICTORIA FAL	25.1	26.3	20.9	HYPERTH.	200	32	128	200	32	128	147	147	0	0	USTIC
VUMBA NAT PK	18.1	19.5	15.1	ISO THERMIC	0	0	360	0	0	360	360	360	0	120	UDIC
WANKIE	27.2	27.9	23.5	ISO HYPERTH.	248	112	0	248	112	0	77	77	28	0	ARIDIC
WANKIE MAIN	23.1	24.4	19.2	HYPERTH.	108	113	139	108	113	139	235	235	0	0	USTIC
WEDZA	20.9	22.2	18.1	ISO THERMIC	35	89	236	35	89	236	325	325	0	41	USTIC
WEST NICOLSO	23.0	25.0	19.2	HYPERTH.	249	111	0	249	111	0	73	73	32	0	ARIDIC
ZAKA	23.5	25.2	20.3	ISO HYPERTH.	87	72	201	87	72	201	251	251	0	6	USTIC

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DETERMINATION OF SOIL MOISTURE REGIME ACCORDING TO FRANKLIN NEWHALL SYSTEM OF COMPUTATION

FOR RHOD

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
BANKET RES S	USTIC	303	ISO HYPERTH.	UDIC TROPUST.	180	78	180	123				
BEITBRIDGE	ARIDIC	10	HYPERTH.	TYPIC ARIDIC	10	10	10	10				
BINDURA	USTIC	313	ISO HYPERTH.	UDIC TROPUST.	180	88	180	133				
BINGA	USTIC	142	ISO HYPERTH.	ARIDIC TROPUST.	127	15	127	22				
BIRCHENOUGH	ARIDIC	21	HYPERTH.	TYPIC ARIDIC	15	15	36	24				
BUHERA	USTIC	316	ISO THERMIC	UDIC TROPUST.	180	91	180	136				
BULAWAYO GOE	USTIC	220	ISO THERMIC	TYPIC TROPUST.	175	45	175	45				
BULAWAYO AIR	USTIC	214	ISO HYPERTH.	TYPIC TROPUST.	180	29	180	63				
CHIBERO	USTIC	318	ISO THERMIC	UDIC TROPUST.	180	93	180	138				
CHIPINGA EXP	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	85	180	130
CHIPINGA	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	93	180	138
CHIRUNDU SUG	USTIC	141	ISO HYPERTH.	ARIDIC TROPUST.	126	15	126	23				
ENKELDOORN	USTIC	317	ISO THERMIC	UDIC TROPUST.	180	92	180	137				
FORT-VICTORI	USTIC	242	THERMIC	TYPIC TEMPUST.	180	47	180	87				
FORT VICTORI	USTIC	264	THERMIC	TYPIC TEMPUST.	180	45	180	84				
GATOOMA	USTIC	292	ISO HYPERTH.	UDIC TROPUST.	180	67	180	112				
GATOOMA CRI	USTIC	288	ISO HYPERTH.	UDIC TROPUST.	180	63	180	108				
GOKWE	USTIC	294	ISO HYPERTH.	UDIC TROPUST.	180	69	180	114				
GRAND REEF	USTIC	298	ISO HYPERTH.	UDIC TROPUST.	180	73	180	118				
GUTU	USTIC	321	ISO THERMIC	UDIC TROPUST.	180	96	180	141				
GWEBI	USTIC	320	ISO THERMIC	UDIC TROPUST.	180	95	180	140				
GWELO THORNH	USTIC	310	ISO THERMIC	UDIC TROPUST.	180	85	180	130				
HARTLEY	USTIC	305	ISO HYPERTH.	UDIC TROPUST.	180	80	180	125				
HENDERSON	USTIC	329	THERMIC	TYPIC TEMPUST.	180	104	180	149				
HENDERSON	USTIC	329	THERMIC	WET TEMPUST.	180	104	180	149				
HOPE PATROL	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
HOPE MAPOPO	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
HOT SPRINGS	ARIDIC	29	HYPERTH.	TYPIC ARIDIC	29	15	62	29				
INYANGA	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	81	180	126
INYANGA ESO	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	104	180	149
INYANGI LULU	UDIC	360	ISO HYPERTH.	TYPIC UDIC					180	180	180	180
KARIBA GORGE	USTIC	137	ISO HYPERTH.	ARIDIC TROPUST.	122	15	122	24				
KAROI	USTIC	303	ISO HYPERTH.	UDIC TROPUST.	180	78	180	123				
KEZI	USTIC	115	HYPERTH.	TYPIC TEMPUST.	100	16	100	31				
LUPANE	USTIC	197	HYPERTH.	TYPIC TEMPUST.	180	15	180	31				
LUSULU	USTIC	243	ISO HYPERTH.	TYPIC TROPUST.	180	48	180	82				
MAKOHOLI	USTIC	285	ISO THERMIC	UDIC TROPUST.	180	60	180	105				
MARANDELLAS	USTIC	357	ISO THERMIC	UDIC TROPUST.	180	132	180	177				
MARTIN FORES	UDIC	360	ISO THERMIC	DRY TROPUDIC					180	90	180	135
MATOPOS SANV	USTIC	257	THERMIC	TYPIC TEMPUST.	180	45	180	77				
MATOPOS NURS	USTIC	251	THERMIC	TYPIC TEMPUST.	180	45	180	71				
MONDORO	USTIC	311	THERMIC	TYPIC TEMPUST.	180	86	180	131				
MOUNT DARWIN	USTIC	268	ISO HYPERTH.	TYPIC TROPUST.	180	73	180	110				
MTOKO	USTIC	303	ISO HYPERTH.	UDIC TROPUST.	180	78	180	123				
NCEMA DAM	USTIC	270	THERMIC	TYPIC TEMPUST.	180	45	180	90				

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FOR RHOD

NAME OF STATION	MOISTURE REGIME	CON.D. M/D T>8	TEMPERATURE REGIME	TENTATIVE SUBDIVISION OF MOISTURE REGIME	CONS DAYS MOIST(2+3) SUM.	CONS DAYS MOIST(2+3) WINT	CUM.DAYS MOIST(2+3) SUM.	CUM.DAYS MOIST(2+3) WINT	CONS.DAYS COMP.MOIST SUM.	CONS.DAYS COMP.MOIST WINT	CUM.DAYS COMP.MOI. SUM.	CUM.DAYS COMP.MOI. WINT
NKAI	USTIC	232	ISO HYPERTH.	TYPIC TROPUST.	180	37	180	80				
NUANETSI	ARIDIC	19	HYPERTH.	TYPIC ARIDIC	19	12	46	22				
NYAMANDHLOVU	USTIC	161	ISO HYPERTH.	ARIDIC TROPUST.	146	23	146	38				
NYANYADZI	ARIDIC	26	HYPERTH.	TYPIC ARIDIC	22	15	52	24				
PLUMTREE	USTIC	179	ISO HYPERTH.	ARIDIC TROPUST.	164	25	164	40				
QUE QUE	USTIC	267	ISO HYPERTH.	TYPIC TROPUST.	180	45	180	87				
RUSAPE	USTIC	359	ISO THERMIC	UDIC TROPUST.	180	134	180	179				
SABI VALLEY	ARIDIC	20	HYPERTH.	TYPIC ARIDIC	20	15	54	26				
SALISBURY AI	USTIC	316	ISO THERMIC	UDIC TROPUST.	180	91	180	136				
SAMUA PANMUR	USTIC	269	HYPERTH.	TYPIC TEMPUST.	180	74	180	106				
SHABANI	USTIC	159	HYPERTH.	TYPIC TEMPUST.	144	22	144	37				
SINOIA	USTIC	304	ISO HYPERTH.	UDIC TROPUST.	180	79	180	124				
SIPOLILO	USTIC	301	ISO HYPERTH.	UDIC TROPUST.	180	76	180	121				
SOUTHDOWN	UDIC	360	THERMIC	DRY TEMPUDIC					180	101	180	146
TJOLOTJO	USTIC	163	ISO HYPERTH.	ARIDIC TROPUST.	148	15	148	29				
TRELAWNEY RE	USTIC	302	ISO HYPERTH.	UDIC TROPUST.	180	77	180	122				
TRIANGLE	USTIC	101	HYPERTH.	TYPIC TEMPUST.	101	15	114	29				
TRIANGLE MIL	ARIDIC	83	HYPERTH.	WEAK ARIDIC	83	15	93	29				
TULI	ARIDIC	25	HYPERTH.	TYPIC ARIDIC	25	15	67	27				
TULI ESTATE	ARIDIC	21	HYPERTH.	TYPIC ARIDIC	21	15	53	24				
UMTALI FIRE	USTIC	323	ISO THERMIC	UDIC TROPUST.	180	98	180	143				
UMVUMA	USTIC	313	ISO THERMIC	UDIC TROPUST.	180	88	180	133				
UMVUKWES	USTIC	316	ISO THERMIC	UDIC TROPUST.	180	91	180	136				
VICTORIA FAL	USTIC	147	HYPERTH.	TYPIC TEMPUST.	132	15	132	28				
VUMBA NAT PK	UDIC	360	ISO THERMIC	TYPIC UDIC					180	180	180	180
WANKIE	ARIDIC	77	ISO HYPERTH.	WEAK ARIDIC	77	15	89	23				
WANKIE MAIN	USTIC	235	HYPERTH.	TYPIC TEMPUST.	180	40	180	72				
WEDZA	USTIC	325	ISO THERMIC	UDIC TROPUST.	180	100	180	145				
WEST NICOLSO	ARIDIC	73	HYPERTH.	WEAK ARIDIC	73	15	82	29				
ZAKA	USTIC	251	ISO HYPERTH.	TYPIC TROPUST.	180	56	180	93				

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Moisture Regime Tables

Aridic tropustic	Isohyperthermic
	Isothermic
Dry tempudic	Thermic
Dry tropudic	Isohyperthermic
	Isothermic
Dry xeric	Thermic
Extreme aridic	Hyperthermic
	Isohyperthermic
	Isothermic
	Thermic
Perudic	Isohyperthermic
	Isothermic
Typic aridic	Hyperthermic
	Isohyperthermic
	Mesic
	Thermic
Typic tempustic	Hyperthermic
	Mesic
	Thermic
Typic tropustic	Isohyperthermic
	Isothermic
Typic udic	Isohyperthermic
	Isothermic
	Mesic
	Thermic
Typic xeric	Mesic
	Thermic
Udic tropustic	Isohyperthermic
	Isothermic
Weak aridic	Hyperthermic
	Isohyperthermic
	Isothermic
	Thermic
Wet tempustic	Thermic
Xeric tempustic	Hyperthermic

LIST OF STATIONS WITH
ARIDIC TROPUST.
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	ANGO	ALTO CAPACA	25.1	25.3	23.7	360	162	99	99	162	99	99	125	63	0
		CUNENE	25.5	26.6	22.6	360	219	65	76	219	65	76	103	42	0
	BENI	KANDI %DAHOM	30.0	28.8	28.4	360	170	72	118	170	72	118	177	0	0
	BOTZ	MAUN BOTZWAN	24.4	25.4	20.4	360	242	118	0	242	118	0	101	13	0
	CAME	AISSA-CARDE	30.5	29.3	28.8	360	206	53	101	206	53	101	124	6	0
		DOUKOULA	30.6	29.0	29.3	360	189	63	108	189	63	108	161	0	0
		GANCE	30.5	29.3	28.8	360	232	31	97	232	31	97	113	15	0
		GARCUA 65.74	30.6	29.3	29.5	360	171	41	148	171	41	148	173	0	0
		GARCUA-VILLE	30.7	29.4	29.8	360	161	49	150	161	49	150	174	0	0
		GODOLA	30.2	29.0	28.5	360	199	54	107	199	54	107	161	0	0
		GOLOMPOUI	30.9	29.6	30.0	360	192	29	139	192	29	139	162	0	0
		GUETALE	29.9	28.7	28.2	360	182	67	111	182	67	111	166	0	0
		GUIDER	30.8	29.5	29.9	360	171	72	117	171	72	117	171	0	0
		HINA	29.7	28.4	28.8	360	171	71	118	171	71	118	175	0	0
		KAELE 65.74	30.8	29.4	29.4	360	200	83	77	200	83	77	131	10	0
		KOUSSERI	30.8	29.6	29.1	360	249	53	58	249	53	58	103	15	0
		LAM	30.2	28.6	28.9	360	181	65	114	181	65	114	168	0	0
		LARA	30.3	28.7	29.0	360	182	65	113	182	65	113	166	0	0
		MADA	29.9	28.7	28.2	360	181	66	113	181	66	113	168	0	0
		MAROUAS65.74	30.2	29.3	28.4	360	191	62	107	191	62	107	162	0	0
		MORA	29.8	28.6	28.1	360	203	50	107	203	50	107	132	12	0
		POUSS	30.9	29.6	30.0	360	196	60	104	196	60	104	157	0	0
		YAGOUA	30.9	29.6	30.0	360	194	61	105	194	61	105	159	0	0
	CHAD	AM-TIMAN	29.4	28.7	27.9	360	177	70	113	177	70	113	174	0	0
		BOKORO	30.9	30.6	28.1	360	249	55	56	249	55	56	103	15	0
		BONGOR	30.8	29.2	29.5	360	190	63	107	190	63	107	160	0	0
		BOUSSO	30.6	29.5	28.9	360	185	64	111	185	64	111	167	0	0
		LERE	30.4	29.1	29.5	360	182	63	115	182	63	115	169	0	0
		MONGO	31.5	30.2	30.1	360	221	35	104	221	35	104	127	15	0
		N'DJAMENA	30.8	29.6	29.1	360	229	30	101	229	30	101	121	15	0
		SARH	30.3	29.0	29.5	360	166	71	123	166	71	123	179	0	0
	ETHI	ALAMATA	24.3	25.6	22.7	360	76	164	120	76	164	120	171	15	19
		AWASH	27.2	28.1	25.5	360	250	56	54	250	56	54	99	15	0
		CHEREN	25.5	25.4	23.9	360	226	64	70	226	64	70	123	15	0
		DIRE-DAWA	26.7	27.6	25.0	360	220	77	63	220	77	63	106	15	0
	GHAN	ACCRA	29.0	26.9	30.3	360	204	85	71	204	85	71	119	31	0
		ACHIMOTA	28.9	26.7	30.3	360	172	82	106	172	82	106	140	10	0
		ADA	29.8	27.7	31.0	360	169	91	100	[illegible]	91	100	139	11	0
		AKUSE	29.8	27.9	30.8	360	112	147	101	112	147	101	176	4	0
		NAVRONGO	30.7	29.0	30.5	360	165	76	119	165	76	119	175	0	0
		SALTPOND	29.1	27.1	30.3	360	146	99	115	146	99	115	169	0	0
		ZUARUNGU	30.7	28.6	30.9	360	162	76	122	162	76	122	176	0	0
	KENY	ISIOLO	26.0	25.4	25.9	360	151	132	77	151	132	77	132	105	32
		MOYALE	24.8	21.9	27.4	360	99	143	118	99	143	118	171	9	15
	MALA	ANKAZCABO-SU	26.9	28.4	24.2	360	208	64	88	208	64	88	143	0	0

LIST OF STATIONS WITH
ARIDIC TROPUST.
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOLS
ISO HYPERTH.	MALA	BEROROHA	28.5	30.0	25.4	360	212	30	118	212	30	118	139	0	0
		BESALAMPY	29.2	29.7	27.5	360	174	44	142	174	44	142	174	0	0
		BETIOKY-SUD	27.2	29.0	24.1	360	245	62	53	245	62	53	104	31	0
		DIEGO-SUAREZ	29.5	29.9	28.5	360	189	57	114	189	57	114	171	0	0
		DIEGO-SUAREZ	28.5	29.0	27.4	360	181	61	118	181	61	118	179	0	0
		SOALALA	29.2	29.8	27.6	360	178	38	144	178	38	144	175	0	0
	MALI	BAMAKO MALI	30.6	29.7	29.0	360	174	68	118	174	68	118	179	0	0
		KAYES MALI	32.0	31.4	29.4	360	213	37	110	213	37	110	133	15	0
		MOPTI MALI	30.4	30.5	27.1	360	253	21	86	253	21	86	101	15	0
		NIORO DU SAH	31.1	31.6	27.5	360	245	21	94	245	21	94	107	15	0
		SAN MALI	30.7	30.2	27.8	360	224	34	102	224	34	102	122	15	0
		SEGOU	30.3	29.7	27.8	360	218	38	104	218	38	104	129	15	0
	MALW	MAKANGA	27.8	29.1	24.6	360	207	30	123	207	30	123	138	0	0
		PORT-HERALD	28.3	29.5	25.2	360	162	62	136	162	62	136	176	0	0
	MOZA	INHARRIME	26.6	28.1	24.2	360	145	215	0	145	215	0	86	15	0
		MAPUTO	24.7	26.2	22.8	360	168	135	57	168	135	57	140	3	0
		MECUFI	29.4	30.4	27.9	360	195	48	117	195	48	117	139	4	0
		MEMBA	28.4	29.2	26.8	360	186	60	114	186	60	114	174	0	0
		MUNGARI	26.4	27.1	23.9	360	207	65	88	207	65	88	141	0	0
		MUTARARA	28.4	29.6	25.6	360	219	113	28	219	113	28	104	3	0
		PEMBA	28.4	29.2	26.9	360	185	37	138	185	37	138	160	15	0
		VILA-LUISA	26.1	27.8	23.7	360	194	166	0	194	166	0	130	14	0
		VILANCULAS	26.6	28.4	24.1	360	176	75	109	176	75	109	172	0	0
		ZUMBO	28.6	29.0	25.3	360	191	40	129	191	40	129	157	0	0
	NGRA	KANO NIGERIA	28.5	28.1	25.5	360	177	76	107	177	76	107	173	0	0
		MAIDUGURI NI	29.4	29.3	26.1	360	221	36	103	221	36	103	128	15	0
		NGURU	29.3	30.0	26.1	360	246	51	63	246	51	63	106	15	0
		OURI-BOKI	31.0	29.7	30.1	360	200	82	78	200	82	78	150	0	0
		POTISKUM	28.8	26.8	25.7	360	195	57	108	195	57	108	146	15	0
		SOKOTO	30.6	30.1	28.0	360	214	43	103	214	43	103	127	15	0
		YOLA	30.9	29.6	30.0	360	157	50	153	157	50	153	176	0	0
	NIGE	BIRNI-N,KONI	31.0	30.6	28.3	360	242	55	63	242	55	63	108	15	0
		MARADI NIGER	29.6	29.5	26.4	360	223	37	100	223	37	100	129	15	0
		NIAMEY	31.5	31.1	28.5	360	251	55	54	251	55	54	98	15	0
		ZINDER NIGER	30.7	30.3	27.6	360	253	21	86	253	21	86	101	15	0
	RHOD	BINGA	27.5	27.8	24.6	360	211	26	123	211	26	123	142	0	0
		CHIRUNDU SUG	27.1	27.9	23.6	360	211	32	117	211	32	117	141	0	0
		KARIBA GORGE	28.4	28.6	25.6	360	214	33	113	214	33	113	137	0	0
		NYAMANDHLOVU	22.9	24.0	19.8	360	176	81	103	176	81	103	161	0	0
		PLUMTREE	22.2	23.3	19.1	360	156	118	86	156	118	86	179	0	0
		TJOLOTJO	23.5	24.9	20.0	360	183	72	105	183	72	105	163	0	0
	SENE	BATHURST	29.3	29.8	28.0	360	190	41	129	190	41	129	158	15	0
		DAKAR-YOFF	26.7	28.4	24.8	360	227	49	84	227	49	84	104	15	0
		DIOUBEL	29.8	30.5	27.5	360	228	51	81	228	51	81	132	15	0
		KAOLACK	30.0	30.2	27.9	360	209	35	116	209	35	116	143	15	0

LIST OF STATIONS WITH
ARIDIC TROPUST.
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SCLS	MOIST AFTER WINT SOL
ISO HYPERTH.	SENE	THIES	28.1	29.0	26.6	360	208	65	87	208	65	87	152	15	0
		YOROBERI-KUN	29.8	29.6	27.9	360	168	61	131	168	61	131	167	5	0
	SUDA	BOR	30.1	28.0	31.2	360	167	84	109	167	84	109	179	0	0
		GEDAREF	30.9	30.0	29.3	360	237	27	96	237	27	96	111	15	0
		GENEINA SUDA	26.7	26.9	24.0	360	195	49	116	195	49	116	165	15	0
		MALAKAL SUDA	29.2	27.6	28.9	360	167	70	123	167	70	123	176	0	0
		NYALA	29.4	29.2	27.1	360	258	50	52	258	50	52	94	15	0
		ROSIERES	30.6	29.6	29.4	360	191	62	107	191	62	107	161	0	0
		SHAMBE	29.2	28.4	28.6	360	185	74	101	185	74	101	145	0	0
		SINGA	31.2	30.6	29.3	360	250	24	86	250	24	86	101	15	0
	SWAF	TSUMEB	24.6	26.0	21.0	360	216	144	0	216	144	0	116	12	0
	TANZ	BAGAMOYO	29.0	30.1	27.8	360	124	132	104	124	132	104	175	18	29
		KILWA	29.5	30.1	28.4	360	147	148	65	147	148	65	148	5	0
		MUSOMA	25.6	25.7	25.1	360	103	151	106	103	151	106	169	13	31
	TOGO	LOME.VILLE	29.3	27.6	30.2	360	198	93	69	198	93	69	117	33	0
	UVOL	BOROMO	30.5	29.4	29.0	360	176	70	114	176	70	114	171	0	0
		DORI.VOLTA	30.9	30.6	27.7	360	259	49	52	259	49	52	94	15	0
		FADA.N,GOURM	30.9	30.1	29.2	360	188	66	106	188	66	106	160	0	0
		OUAGADOUGOU	30.7	29.5	28.9	360	188	65	107	188	65	107	161	0	0
		OUAHIGOUYA	31.0	30.2	28.2	360	227	33	100	227	33	100	119	15	0
ISO THERMIC	ANGO	HUMPATA	19.8	20.5	17.9	360	146	89	125	146	89	125	168	29	20
	ETHI	JIJIGA	21.5	22.3	20.0	360	112	153	95	112	153	95	166	7	0
	MORO	MOGADOR	19.2	20.5	17.3	360	214	146	0	214	146	0	146	120	0
	SAFR	DASSENEILAND	17.7	18.8	16.6	360	187	173	0	187	173	0	173	120	0

ARIDIC TROPUSTIC

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LIST OF STATIONS WITH
DRY TEMPUDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS WHEN SOIL TEMP > 8	MOIST AFTER SUM SOLS	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
THERMIC	RHOD SAFR	SOUTHDOWN	21.5	23.5	18.5	360	0	34	326	0	34	326	360	0	101	
		BETHLEHEM	17.0	20.3	12.7	319	0	82	278	0	82	278	319	0	98	
		PUSELLA	22.0	24.2	18.6	360	0	40	320	0	40	320	360	0	95	

VW08 AUGUST 1981

DATE 03/24/82

DRY TEMPUDIC

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LIST OF STATIONS WITH
DRY TROPUDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	MEAN SOIL TEMPERATURE SUMMER	MEAN SOIL TEMPERATURE WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR IS DRY	CUMULATIVE DAYS MCS IN YEAR IS M/D	CUMULATIVE DAYS MCS IN YEAR IS MOI	DAYS MCS WHEN SOIL TEMP >5 DRY	DAYS MCS WHEN SOIL TEMP >5 M/D	DAYS MCS WHEN SOIL TEMP >5 MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	ANGO	CELA	23.6	23.7	22.3	360	8	78	274	8	78	274	352	0	19
	CAME	AKONOLI65.74	26.8	25.9	27.3	360	1	84	275	1	84	275	359	0	20
		AYOS	26.5	25.6	27.1	360	4	78	278	4	78	278	356	0	23
		BABRINGO	24.3	24.1	23.5	360	0	47	313	0	47	313	360	0	45
		BAFOUSSAM	22.6	21.5	23.6	360	0	43	317	0	43	317	360	0	45
		BAMBUI-FARM	22.3	20.7	23.3	360	0	38	322	0	38	322	360	0	45
		BANGANGTE	22.9	21.9	23.6	360	0	46	314	0	46	314	360	0	45
		BANSOA	22.3	21.2	23.3	360	0	38	322	0	38	322	360	0	45
		BAROMBI-KANG	28.3	27.0	29.2	360	22	45	293	22	45	293	329	0	45
		BATOURI-AVIA	26.3	25.5	26.3	360	0	40	320	0	40	320	360	0	45
		BATOURI-VILL	26.3	25.5	26.3	360	0	70	290	0	70	290	360	0	35
		BEFANG	26.8	26.0	27.1	360	0	53	307	0	53	307	360	0	45
		BERTOUA65.74	26.3	25.7	26.1	360	0	45	315	0	45	315	360	0	45
		BIMBIA	28.8	27.4	29.7	360	7	81	272	7	81	272	353	0	15
		BOA	28.2	26.8	29.2	360	10	53	297	10	53	297	350	0	45
		BONABERI-GAR	28.9	27.3	30.1	360	9	49	302	9	49	302	351	0	45
		BOTA-C-D-C	28.4	27.0	29.4	360	25	45	290	25	45	290	322	0	45
		DIZANGUE	29.3	27.4	30.6	360	22	46	292	22	46	292	326	0	45
		DOUALA 65.74	29.0	27.4	30.2	360	24	48	288	24	48	288	322	0	45
		DOUME	26.0	25.2	25.9	360	0	45	315	0	45	315	360	0	45
		DSCHANG	23.3	21.8	24.4	360	0	43	317	0	43	317	360	0	45
		DSCHANG66.74	23.3	21.8	24.4	360	0	51	309	0	51	309	360	0	45
		EKONA-C-D-C	26.1	24.8	26.7	360	0	62	298	0	62	298	360	0	45
		ESEKA 65.74	27.9	26.2	29.3	360	33	33	294	33	33	294	327	0	45
		FOUMBAN	24.0	23.8	23.8	360	0	76	284	0	76	284	360	0	29
		FOUMBOT-C-D	24.1	23.0	25.1	360	0	81	279	0	81	279	360	0	24
		KENTZOU	26.5	25.7	26.5	360	0	56	304	0	56	304	360	0	32
		KOUNDEN	23.4	22.1	24.5	360	0	76	284	0	76	284	360	0	29
		KOUNDJA65.74	24.0	22.9	24.9	360	14	74	272	14	74	272	346	0	17
		KUMBA	27.6	26.3	28.5	360	0	65	295	0	65	295	360	0	45
		LOUM-CHANTIE	27.9	26.3	28.9	360	11	56	293	11	56	293	349	0	45
		MAMFE	28.6	27.7	28.4	360	0	54	306	0	54	306	360	0	45
		MANGA-EBOKO	26.8	25.6	27.3	360	8	77	275	8	77	275	352	0	20
		MBALMAYO-E-E	26.4	25.1	27.4	360	0	43	317	0	43	317	360	0	45
		MBANGA	26.2	24.9	26.8	360	0	52	308	0	52	308	360	0	45
		MBOUKOUROU	26.3	24.7	27.3	360	0	58	302	0	58	302	360	0	45
		MINDOUROU	25.6	24.8	25.5	360	0	54	306	0	54	306	360	0	36
		MKONGSAMBA	24.8	23.2	25.8	360	21	43	296	21	43	296	339	0	26
		MOLIKO	25.3	24.0	25.9	360	0	49	311	0	49	311	360	0	45
		MOUANKO	29.5	27.6	30.8	360	24	44	292	24	44	292	327	0	45
		NANGA 65.74	26.9	25.9	27.5	360	21	67	272	21	67	272	339	0	17
		NGAMBE	26.4	24.1	28.1	360	15	48	297	15	48	297	345	0	45
		NGUELEBOCK	26.5	25.7	26.5	360	0	47	313	0	47	313	360	0	45
		NKOLAFAMBA	26.2	25.0	27.1	360	0	51	309	0	51	309	360	0	45
		NKOLBISSON	26.1	24.9	27.0	360	0	50	310	0	50	310	360	0	45

LIST OF STATIONS WITH DRY TROPUDIC MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	CAME	NKONDJOCK	27.1	25.5	28.1	360	18	46	296	18	46	296	342	0	45
		NKONGSA65.74	25.3	24.2	26.0	360	0	61	299	0	61	299	360	0	45
		NYABESSAN	28.1	26.7	28.9	360	0	53	307	0	53	307	360	0	45
		NYOMBE	28.4	26.5	29.4	360	26	48	286	26	48	286	319	0	45
		TOLE-TEA	25.0	23.7	25.6	360	0	44	316	0	44	316	360	0	45
		WEH	24.5	23.7	24.8	360	0	36	324	0	36	324	360	0	45
		YABASSI	26.4	24.1	28.1	360	0	52	308	0	52	308	360	0	45
		YAOUNDE65.74	26.1	25.0	27.1	360	0	52	308	0	52	308	360	0	45
		YOKADOU65.74	26.9	26.6	26.6	360	0	46	314	0	46	314	360	0	45
	CONG	DJAMBALA CON	25.6	25.4	24.5	360	0	35	325	0	35	325	360	0	45
		GAMBOMA CONG	27.8	27.8	27.7	360	0	52	308	0	52	308	360	0	45
	EQGU	BATA.EQUA.GU	27.7	26.7	28.5	360	0	39	321	0	39	321	360	0	120
		SANTA*ISABEL	27.6	26.7	28.3	360	3	82	275	3	82	275	357	0	20
	GABO	COCO*BEACH	28.5	27.0	29.5	360	0	37	323	0	37	323	360	0	120
		FRANCEVILLE	27.0	27.0	25.9	360	0	44	316	0	44	316	360	0	45
		LASTOURVILLE	26.6	26.7	25.5	360	0	73	287	0	73	287	360	0	32
		LIBREVILLE	28.8	27.3	29.7	360	21	64	275	21	64	275	339	21	120
		MAKOKOU	26.5	24.5	27.1	360	0	34	326	0	34	326	360	0	120
		MOUILA	28.8	29.1	27.2	360	41	48	271	41	48	271	310	0	16
	GHAN	ABURI.GHANA	26.7	24.9	27.8	360	0	47	313	0	47	313	360	0	29
		AXIM	29.0	27.6	29.9	360	0	30	330	0	30	330	360	0	36
		KADE	28.4	27.0	29.1	360	0	47	313	0	47	313	360	0	45
		KANAYERIBO	26.6	24.6	27.8	360	0	51	309	0	51	309	360	0	45
		TAFO	28.4	27.0	29.1	360	0	54	306	0	54	306	360	0	45
	IVOR	ABIDJAN-AERO	28.9	27.2	29.9	360	4	70	286	4	70	286	356	0	31
		ADIAKE	28.7	27.0	29.8	360	0	49	311	0	49	311	360	0	45
		GAGNOA	28.5	27.3	28.9	360	0	48	312	0	48	312	360	0	45
		TABOU IVORY	28.4	27.3	29.2	360	0	47	313	0	47	313	360	0	58
	LIBE	BOPOLU	27.8	26.3	28.6	360	1	84	275	1	84	275	359	0	20
		CACAOPA	28.3	26.5	28.3	360	18	47	295	18	47	295	342	0	45
		GANTA	28.1	27.7	27.7	360	0	52	308	0	52	308	360	0	45
		KOLAHUN	27.5	25.5	26.4	360	0	36	324	0	36	324	360	0	41
		MONROVIA	28.3	27.2	29.0	360	0	51	309	0	51	309	360	0	41
		ROBERTPORT	27.7	26.6	28.1	360	0	37	323	0	37	323	360	0	42
		SALALA	29.2	28.1	29.1	360	6	45	309	6	45	309	354	0	45
		SANNIQUELLIE	26.9	25.6	27.4	360	0	50	310	0	50	310	360	0	45
		SUAKOKO	26.8	25.7	27.0	360	0	34	326	0	34	326	360	0	45
		ZORZOR	25.7	25.2	25.9	360	0	33	327	0	33	327	360	0	45
		ZUIE.LIBERIA	27.9	26.5	28.9	360	0	54	306	0	54	306	360	0	45
		ZWEDRU	29.4	28.1	29.5	360	1	79	280	1	79	280	359	0	25
	MOZA	CATANDICA	24.5	25.7	21.8	360	25	50	285	25	50	285	335	0	60
		ERREGO	25.6	26.6	22.9	360	16	60	284	16	60	284	344	0	89
		LUGELA	27.2	28.2	24.6	360	33	33	294	33	33	294	327	0	69
		NAMAACHA	23.0	24.5	20.8	360	0	37	323	0	37	323	360	0	71
		NAMARROI	25.9	27.0	23.2	360	0	31	329	0	31	329	360	0	90

DRY TROPUDIC

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LIST OF STATIONS WITH
DRY TROPUDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	MOZA	PEBANE	27.7	28.9	25.6	360	43	38	279	43	38	279	308	0	84
		QUELIMANE MO	27.4	28.9	24.9	360	29	43	288	29	43	288	317	0	93
	NGRA	CALABAR	29.0	27.9	29.6	360	6	57	297	6	57	297	354	0	45
		VICTORIA	27.9	26.8	28.6	360	0	62	298	0	62	298	360	0	45
	NIGE	GEMBU	23.5	21.9	24.2	360	0	47	313	0	47	313	360	0	45
	SLEO	BUNUMBU	28.7	28.0	28.0	360	14	70	276	14	70	276	346	0	21
		DARU	28.5	27.9	27.7	360	12	62	286	12	62	286	324	0	31
		DARU SIERRA	28.3	27.6	28.1	360	10	65	285	10	65	285	323	0	30
		HANSHA	27.8	26.3	28.4	360	21	62	277	21	62	277	312	0	22
		KAILAHUN	27.9	27.1	27.9	360	10	69	281	10	69	281	350	0	26
		KPUWABU	28.1	27.1	28.2	360	24	61	275	24	61	275	319	0	20
		YENGEMA	28.2	27.7	27.4	360	13	64	283	13	64	283	324	0	28
	TANZ	KISAUNI-AIRF	28.5	29.2	27.6	360	0	63	297	0	63	297	360	0	56
		WETE-PASHA	28.2	28.9	27.1	360	0	39	321	0	39	321	360	0	97
	UGAN	ARUA	25.3	23.5	26.9	360	0	75	285	0	75	285	360	0	30
		BUKALASA	25.2	24.1	26.2	360	0	32	328	0	32	328	360	0	45
		GULU UGANDA	25.6	24.0	27.1	360	0	78	282	0	78	282	360	0	27
		LIRA.OEGANDA	25.8	24.1	27.3	360	2	76	282	2	76	282	358	0	27
		MBALE	25.3	24.0	26.5	360	0	83	277	0	83	277	360	0	22
		SERERE	26.5	24.8	28.3	360	3	80	277	3	80	277	357	0	22
	ZAIR	GEMENA	27.8	27.1	28.2	360	0	53	307	0	53	307	360	0	26
		KINSHASA	27.7	27.8	25.9	360	48	41	271	48	41	271	312	0	16
ISO THERMIC	ANGO	SACAALA	21.4	21.7	20.0	360	25	47	288	25	47	288	335	0	33
	BURU	MUYINGA37ANS	21.0	20.8	21.3	360	0	63	297	0	63	297	360	0	42
	CAME	BABADJOU	20.9	19.4	22.3	360	0	34	326	0	34	326	360	0	45
		BAMENDA65.74	22.0	20.6	23.0	360	0	41	319	0	41	319	360	0	45
		KUMBO	21.4	19.7	22.8	360	0	40	320	0	40	320	360	0	45
		NDOP	21.1	19.6	22.5	360	0	46	314	0	46	314	360	0	45
		NKAMBE	21.1	20.0	21.8	360	0	33	327	0	33	327	360	0	45
		SANTA-COFFEE	20.7	19.2	22.1	360	0	33	327	0	33	327	360	0	45
	ETHI	COMBOLCHA	21.6	22.9	20.1	360	0	33	327	0	33	327	360	0	120
		MAICHEW	19.1	20.6	17.9	360	0	34	326	0	34	326	360	0	120
		SIRE	20.6	21.0	19.4	360	0	41	319	0	41	319	360	0	45
	MALA	ARIVONIMAMO	20.3	22.8	17.9	360	0	75	285	0	75	285	360	0	60
		FIANARANTSOA	20.9	22.5	18.4	360	0	36	324	0	36	324	360	0	99
		NANISANA	20.8	22.6	18.3	360	0	83	277	0	83	277	360	0	52
		TANANARIVE M	19.3	20.7	16.9	360	0	72	288	0	72	288	360	0	63
		TSIMBAZAZA	21.3	23.0	18.7	360	0	78	282	0	78	282	360	0	57
	MALW	BVUMBWE	21.7	22.7	19.2	360	0	61	299	0	61	299	360	0	74
	RHOD	CHIPINGA	21.4	22.7	19.0	360	0	42	318	0	42	318	360	0	93
		CHIPINGA EXP	21.6	23.3	19.0	360	0	50	310	0	50	310	360	0	85
		INYANGA	17.2	18.5	14.2	360	0	54	306	0	54	306	360	0	81
		INYANGA ESO	17.2	18.5	14.2	360	0	31	329	0	31	329	360	0	104
		MARTIN FORES	20.2	21.5	17.6	360	0	45	315	0	45	315	360	0	90
	SAFR	MELMOTH	21.7	23.4	19.5	360	0	39	321	0	39	321	360	0	66

LIST OF STATIONS WITH
DRY TROPUDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY M/D MOI		WHEN SOIL TEMP >5 DRY M/D MOI		MAX CONS DAYS THAT MCS IS WHEN MOIST TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO THERMIC	SUDA	NAGISHOT	20.7	18.6	22.6	360	0	82 278	0	82 278	360	0	23

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LIST OF STATIONS WITH
DRY XERIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
THERMIC	ALGE	AFLOU	15.6	22.1	9.9	245	164	78	118	164	26	89	94	119	75
		AIN-EL-GOTIA	15.5	22.3	10.0	237	152	47	161	152	22	110	96	111	105
		AMMI-MOUSSA	20.5	26.6	15.3	360	128	48	184	128	48	184	232	113	120
		ARD-EL-BEIDA	20.9	27.2	15.6	360	142	74	144	142	74	144	218	120	105
		ARRIS	16.8	23.0	11.4	265	173	74	113	173	74	113	94	120	75
		ATTAFS(LES)	20.5	26.7	15.2	360	127	60	173	127	60	173	233	112	120
		BATNA-VILLE	16.5	22.7	11.1	260	165	76	119	165	60	119	98	120	75
		BAUIRA	18.2	24.1	13.1	309	109	52	199	109	52	199	156	94	120
		BENI-SAF	20.6	24.2	17.5	360	151	73	136	151	73	136	209	120	105
		BERROUGHIA	16.7	22.7	11.3	268	107	52	201	107	52	201	132	92	120
		BOGHAR	17.5	24.0	11.9	278	147	51	162	147	51	162	123	109	107
		BORDJ-BOU-AR	17.6	24.4	11.9	273	152	53	155	152	53	155	113	114	105
		BOURBAKI	17.7	24.5	12.3	281	138	50	172	138	50	172	132	99	111
		BRAHIM	19.6	23.2	16.3	360	132	52	176	132	52	176	228	117	120
		CAP-IVI	20.4	24.3	16.7	360	153	57	150	153	57	150	207	120	120
		CAP-TENES	20.1	23.8	16.4	360	136	80	144	136	80	144	224	120	105
		DOUALHIA	15.7	21.9	10.9	246	121	73	166	121	73	149	104	106	105
		DUPERRE	21.2	28.1	15.3	360	125	49	186	125	49	186	235	110	120
		EL-ANCOR	20.6	24.5	17.0	360	124	51	185	124	51	185	236	109	120
		EL-NOUADEUR	18.2	24.7	13.1	302	112	51	197	112	51	197	148	97	120
		GERYVILLE	16.2	23.1	10.3	245	169	75	116	169	20	103	91	120	75
		MAILLOT	20.1	26.2	14.7	360	118	49	193	118	49	193	242	103	120
		MASCARA	19.5	25.2	14.6	360	115	50	195	115	50	195	245	100	120
		MOSTAGANEM	20.7	24.3	17.3	360	151	72	137	151	72	137	209	120	105
		NEMOURS	19.6	23.4	16.2	360	133	79	148	133	79	148	227	118	105
		ORAN	20.8	24.5	17.3	360	130	52	178	130	52	178	230	115	120
		ORLEANSVILLE	21.2	27.7	15.8	360	138	58	164	138	58	164	222	120	120
		OUED-SLISSEN	16.5	22.2	11.9	275	156	74	130	156	74	130	116	111	75
		OUJDA	19.3	24.6	14.7	360	167	76	117	167	76	117	193	120	75
		RELIZANE	20.9	26.5	15.9	360	182	70	108	182	70	108	178	120	75
		SAIDA	18.9	25.2	13.8	347	166	78	116	166	78	116	146	120	75
		SAINT-ARNAUD	16.0	22.3	10.8	253	142	48	170	142	48	170	118	97	105
		SEDRATA	16.8	22.6	11.4	271	131	55	174	131	55	174	132	91	110
		SETIF	16.4	22.7	11.0	259	108	73	179	108	73	158	126	93	113
		SIDI-AISSA	19.1	25.9	13.0	297	187	69	104	187	69	104	102	120	75
		SIDI-BEL-ABB	18.0	23.0	13.9	360	124	77	159	124	77	159	236	109	105
		THIERSVILLE	19.2	24.7	14.5	360	119	48	193	119	48	193	241	104	120
		TIARET	17.3	23.8	12.1	275	106	48	206	106	48	206	136	91	120
		VIALAR	16.7	23.2	11.6	265	111	70	179	111	70	179	125	96	114
	LIBY	ABIAR-MIGGI	20.9	24.6	15.8	360	206	72	82	206	72	82	154	120	75
		AL MARJ	20.1	23.9	15.9	360	128	58	174	128	58	174	232	113	120
		DARNAH	21.8	24.9	18.0	360	207	74	79	207	74	79	153	120	75
		GHARYAN	20.6	25.8	15.0	360	185	45	130	185	45	130	175	120	105
		GUSBAT	21.7	25.9	16.7	360	184	47	129	184	47	129	176	120	105
		JEFREN	21.7	27.3	15.2	360	192	44	124	192	44	124	168	120	105

LIST OF STATIONS WITH DRY XERIC MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
THERMIC	LIBY	MARSA-DILA	21.9	25.5	17.3	360	205	74	81	205	74	81	155	120	75
		NALUT	20.9	26.5	14.5	353	130	53	177	130	53	177	153	115	120
		SHAHAT	18.4	22.4	13.9	360	124	58	178	124	58	178	236	109	120
		TARHUNA	21.4	26.2	16.2	360	199	75	86	199	75	86	161	120	75
	MORO	ALI-TELAT	20.0	24.5	16.1	360	115	54	191	115	54	191	245	100	120
		ARCILA	20.2	23.5	16.8	360	115	57	188	115	57	188	245	100	120
		AZILAL	18.2	24.0	13.7	355	106	53	201	106	53	201	178	91	120
		BEN-KARRICH	21.2	25.3	17.2	360	122	54	184	122	54	184	238	107	120
		BEN-TIEB	20.0	24.6	15.8	360	209	70	81	209	70	81	151	120	45
		BENNOUR	20.7	25.1	16.7	360	164	128	68	164	128	68	196	120	45
		BERRECHID	20.0	23.9	16.0	360	143	77	140	143	77	140	217	120	105
		CASABLANCA M	20.1	22.9	17.0	360	129	82	149	129	82	149	231	114	105
		CEUTA	19.6	22.6	16.5	360	111	58	191	111	58	191	249	96	120
		CHAIB-TARQUI	17.2	21.7	12.9	318	157	46	157	157	46	157	129	112	105
		FES	20.1	25.5	15.4	360	115	51	194	115	51	194	245	100	120
		FONDAK	20.1	23.5	16.4	360	111	53	196	111	53	196	249	96	120
		JEMIS-ANYERA	20.9	25.1	16.9	360	118	53	189	118	53	189	242	103	120
		KHOURIBGA	19.8	25.0	15.5	360	130	49	181	130	49	181	230	115	120
		LARACHE	21.3	24.8	17.2	360	126	58	176	126	58	176	234	111	120
		MALALIEN	19.9	23.8	16.4	360	115	56	189	115	56	189	245	100	120
		MARCHAND	19.8	24.8	15.3	360	123	60	177	123	60	177	237	108	120
		MELILLA	20.8	24.7	17.3	360	142	78	140	142	78	140	218	120	105
		OUED-ZEM	20.7	26.9	15.9	360	133	80	147	133	80	147	227	118	105
		OUJDA	19.2	24.3	14.5	360	175	75	110	175	75	110	185	120	75
		PETIT-JEAN	21.7	26.8	17.5	360	126	49	185	126	49	185	234	111	120
		PUNTA-NADOR	20.1	22.7	16.9	360	113	59	188	113	59	188	247	98	120
		R,GAIA	20.8	24.7	17.0	360	117	53	190	117	53	190	243	102	120
		RINCORN-MEDI	19.8	23.5	16.4	360	114	55	191	114	55	191	246	99	120
		RIO-MARTIN	20.9	24.3	17.9	360	118	57	185	118	57	185	242	103	120
		SETTAT	19.6	24.0	15.6	360	133	79	148	133	79	148	227	118	105
		SLIMANE	21.1	25.6	16.6	360	128	50	182	128	50	182	232	113	120
		TALAMBOT	18.7	23.0	14.6	360	109	55	196	109	55	196	251	94	120
		TETUAN	21.1	24.8	17.7	360	117	55	188	117	55	188	243	102	120
		TOUAHAR	20.3	26.1	15.4	360	115	50	195	115	50	195	245	100	120
		TZELATA-RAIX	19.9	24.0	16.0	360	113	54	193	113	54	193	247	98	120
		UAD-LAU	19.9	23.2	16.8	360	118	87	155	118	87	155	242	103	105
		ZOCO-ARBAA	18.4	23.1	14.2	360	107	47	206	107	47	206	253	92	120
	SAFR	LANGGEWENS	20.7	23.9	17.3	360	162	103	95	162	103	95	198	120	75
		WINGFIELD	19.0	21.5	16.5	360	117	64	179	117	64	179	243	102	120
	TUNI	BEJA	20.3	26.0	15.2	360	91	81	188	91	81	188	269	91	120
		GROMBALIA	20.2	24.9	15.6	360	96	96	168	96	96	168	264	96	120
		KELIBIA	21.1	25.7	16.6	360	108	94	158	108	94	158	252	105	120
		LEKEF	18.7	24.7	13.3	316	112	67	181	112	67	181	150	97	120
		MAKTAR	16.8	23.0	11.2	268	137	54	169	137	54	169	126	92	105
		MEDJEZ-EL-BA	20.6	26.0	15.5	360	168	48	144	168	48	144	192	120	105

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LIST OF STATIONS WITH
DRY XERIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN TEMPERATURE ANNUAL	MEAN TEMPERATURE SUMMER	MEAN TEMPERATURE WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	DAYS MCS WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
THERMIC	TUNI	SOLIMAN	20.3	25.2	15.7	360	98	106	156	98	106	156	262	98	112
		SOUK-EL-ARBA	20.4	26.2	15.3	360	155	48	157	155	48	157	205	110	105
		TEBOURSOUK	19.3	24.8	14.3	360	115	76	169	115	76	169	245	100	112
		THALA	17.8	23.9	12.3	288	147	47	166	147	47	166	131	102	105
		TUNIS CARTHA	20.8	25.5	16.5	360	101	107	152	101	107	152	259	101	105
		TUNIS-EL-ADU	20.8	25.4	16.4	360	169	49	142	169	49	142	191	120	105
		TUNIS-MANOUB	20.5	25.3	15.9	360	142	74	144	142	74	144	194	105	105
		ZAGHOUAN	20.4	25.8	15.5	360	96	109	155	96	109	155	264	96	105
		ZAGUEM	20.4	26.3	15.3	360	126	61	173	126	61	173	234	111	120

VWC8 AUGUST 1981

DATE 03/24/82

DRY XERIC

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EXTREME ARIDIC

LIST OF STATIONS WITH
EXTREME ARIDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	MEAN SOIL TEMPERATURE SUMMER	MEAN SOIL TEMPERATURE WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR IS DRY	CUMULATIVE DAYS MCS IN YEAR IS M/D	CUMULATIVE DAYS MCS IN YEAR IS MOI	DAYS MCS WHEN SOIL TEMP >5 DRY	DAYS MCS WHEN SOIL TEMP >5 M/D	DAYS MCS WHEN SOIL TEMP >5 MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN TEMP > 8	MAX CONS DAYS THAT MCS IS DRY AFTER SUM SOLS	MAX CONS DAYS THAT MCS IS MOIST AFTER WINT SOL
HYPERTH.	ALGE	BECHAR ALGER	23.6	31.1	16.6	360	360	0	0	360	0	0	0	120	0
		BISKRA ALGER	24.4	31.6	18.0	360	360	0	0	360	0	0	0	120	0
		COLOMB-BECHA	22.8	30.1	16.1	360	360	0	0	360	0	0	0	120	0
		EL-OUED	24.5	31.2	17.8	360	360	0	0	360	0	0	0	120	0
		GHARDAIA	23.9	31.3	17.5	360	360	0	0	360	0	0	0	120	0
		OULED-DJELLA	23.0	30.0	16.6	360	360	0	0	360	0	0	0	120	0
		TOUGGOURT	24.0	31.0	17.3	360	360	0	0	360	0	0	0	120	0
	CHAD	FAYA-LARGEAU	31.1	34.0	26.0	360	360	0	0	360	0	0	0	120	0
	EGYP	ABBASIYA	22.7	26.9	17.6	360	360	0	0	360	0	0	0	120	0
		ASWAN	28.2	32.8	22.0	360	360	0	0	360	0	0	0	120	0
		ASYOUT	24.2	28.8	18.1	360	360	0	0	360	0	0	0	120	0
		ATF	22.2	25.9	17.4	360	360	0	0	360	0	0	0	120	0
		BAHARIA EGYP	24.1	28.4	18.6	360	360	0	0	360	0	0	0	120	0
		BELOAS	22.6	26.4	18.2	360	360	0	0	360	0	0	0	120	0
		BENHA	23.5	27.5	18.6	360	360	0	0	360	0	0	0	120	0
		BENI-SUEF	23.7	28.9	18.3	360	360	0	0	360	0	0	0	120	0
		CAIRO EGYPT	24.5	28.6	19.7	360	360	0	0	360	0	0	0	120	0
		DAKHLA EGYPT	25.7	30.4	19.6	360	360	0	0	360	0	0	0	120	0
		DAMANHOUR	23.2	26.6	18.9	360	360	0	0	360	0	0	0	120	0
		DAMIETTA	22.7	26.1	18.6	360	360	0	0	360	0	0	0	120	0
		DARAW	29.1	33.4	23.0	360	360	0	0	360	0	0	0	120	0
		DELTA-BARRAG	23.3	27.4	18.7	360	360	0	0	360	0	0	0	120	0
		DURUNKAH	25.1	29.5	19.3	360	360	0	0	360	0	0	0	120	0
		EL-SIRW	22.4	26.0	17.8	360	360	0	0	360	0	0	0	120	0
		FARAFRA	24.0	28.5	18.1	360	360	0	0	360	0	0	0	120	0
		FAYIS	25.2	29.3	20.4	360	360	0	0	360	0	0	0	120	0
		FAYUM	23.4	27.7	17.8	360	360	0	0	360	0	0	0	120	0
		GIZA	22.4	26.6	17.2	360	360	0	0	360	0	0	0	120	0
		HELIOPOLIS	24.4	28.6	19.4	360	360	0	0	360	0	0	0	120	0
		HELWAN EGYPT	24.4	28.2	19.4	360	360	0	0	360	0	0	0	120	0
		HURGHADA EGY	25.3	28.8	20.7	360	360	0	0	360	0	0	0	120	0
		KABRIT	24.9	29.3	20.4	360	360	0	0	360	0	0	0	120	0
		KAFR-DAUD	23.4	27.1	18.7	360	360	0	0	360	0	0	0	120	0
		KENA	27.2	31.9	21.0	360	360	0	0	360	0	0	0	120	0
		KHANKA	23.5	27.3	18.8	360	360	0	0	360	0	0	0	120	0
		KHARGA EGYPT	26.6	30.9	20.5	360	360	0	0	360	0	0	0	120	0
		LUXOR	26.7	31.5	20.0	360	360	0	0	360	0	0	0	120	0
		MANQABAD/ASY	25.3	29.5	19.7	360	360	0	0	360	0	0	0	120	0
		MANSOURA	23.7	27.6	19.0	360	360	0	0	360	0	0	0	120	0
		MINYA	24.1	28.5	18.5	360	360	0	0	360	0	0	0	120	0
		PORT SAID EG	24.1	27.5	20.1	360	360	0	0	360	0	0	0	120	0
		PORT-TEWFIK	24.1	28.2	19.4	360	360	0	0	360	0	0	0	120	0
		QASR-EL-GEBA	23.3	28.0	17.5	360	360	0	0	360	0	0	0	120	0
		QENA	26.5	31.5	19.9	360	360	0	0	360	0	0	0	120	0
		QUSEIR	27.0	30.3	23.0	360	360	0	0	360	0	0	0	120	0

LIST OF STATIONS WITH EXTREME ARIDIC MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR IS CNE DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
HYPERTH.	EGYP	RUMANA	24.2	27.5	20.1	360	360	0	0	360	0	0	0	120	0
		SALUM	23.1	26.3	18.9	360	360	0	0	360	0	0	0	120	0
		SHAKSHUK	23.9	28.4	18.2	360	360	0	0	360	0	0	0	20	0
		SHEBIN-EL-KO	22.9	27.0	18.2	360	360	0	0	360	0	0	0	120	0
		SIWA EGYPT	24.0	26.7	18.3	360	360	0	0	360	0	0	0	120	0
		SUEZ	24.9	29.0	19.9	360	360	0	0	360	0	0	0	120	0
		TANTA	22.3	26.3	17.3	360	360	0	0	360	0	0	0	120	0
		TOR	24.7	28.4	19.8	360	360	0	0	360	0	0	0	120	0
		WADI-EL-NATR	23.8	27.7	19.0	360	360	0	0	360	0	0	0	120	0
		ZAGAZIG	22.4	26.5	17.4	360	360	0	0	360	0	0	0	120	0
	ETHI	MASSAUA	32.3	35.0	29.6	360	360	0	0	360	0	0	0	120	0
	LIBY	AGHEILA	22.5	25.8	18.0	360	360	0	0	360	0	0	0	120	0
		AL JAWF	25.8	30.4	19.7	360	360	0	0	360	0	0	0	120	0
		AN NAWFALIYA	22.4	25.7	17.7	360	360	0	0	360	0	0	0	120	0
		BENI-ULID	23.3	28.4	17.9	360	360	0	0	360	0	0	0	120	0
		BIR-EL-GHNEM	25.0	30.0	19.4	360	360	0	0	360	0	0	0	120	0
		EL-ASSA	22.4	27.1	17.0	360	360	0	0	360	0	0	0	120	0
		GHADAMIS	24.7	31.1	17.5	360	360	0	0	360	0	0	0	120	0
		GHERIAT	22.8	27.8	16.5	360	360	0	0	360	0	0	0	120	0
		GIALO	25.3	29.3	19.1	360	360	0	0	360	0	0	0	120	0
		GIARABUB	24.5	29.4	19.0	360	360	0	0	360	0	0	0	120	0
		GIOSC	24.3	29.9	18.6	360	360	0	0	360	0	0	0	120	0
		HUN	23.7	28.4	17.8	360	360	0	0	360	0	0	0	120	0
		MIZDA	22.6	28.2	16.5	360	360	0	0	360	0	0	0	120	0
		SABHA	25.1	30.1	18.4	360	360	0	0	360	0	0	0	120	0
	MALI	ARAOUAN	31.1	34.9	24.4	360	360	0	0	360	0	0	0	120	0
	MAUR	AKJOUJT	31.0	33.9	26.3	360	360	0	0	360	0	0	0	120	0
		ATAR	30.3	34.2	25.1	360	360	0	0	360	0	0	0	120	0
		FORT-GOURAUD	28.7	32.8	23.7	360	360	0	0	360	0	0	0	120	0
	MORO	CUARZAZATE	22.0	28.5	16.3	360	360	0	0	360	0	0	0	120	0
		TAROUDANT	22.7	25.9	18.9	360	360	0	0	360	0	0	0	120	0
	NIGE	BILMA NIGER	29.5	33.1	23.6	360	360	0	0	360	0	0	0	120	0
	SAFR	GOODHOUSE	25.8	30.0	20.6	360	360	0	0	360	0	0	0	120	0
		KENHARDT	22.1	26.8	17.1	360	360	0	0	360	0	0	0	120	0
		UPINGTON SOU	22.6	27.0	17.4	360	360	0	0	360	0	0	0	120	0
	SOMA	ALI-SABIEH	29.2	32.2	26.1	360	360	0	0	360	0	0	0	120	0
		ARTA	28.3	32.4	24.9	360	360	0	0	360	0	0	0	120	0
		BENDER-CASSI	31.9	36.0	29.2	360	360	0	0	360	0	0	0	120	0
		BERBERA	32.3	36.8	29.2	360	360	0	0	360	0	0	0	120	0
		DIKHIL	31.7	34.2	28.7	360	360	0	0	360	0	0	0	120	0
		DJIBOUTI-AER	32.3	36.1	29.5	360	360	0	0	360	0	0	0	120	0
	SUDA	ABU HAMED SU	30.9	34.2	25.3	360	360	0	0	360	0	0	0	120	0
		ATBARA SUDAN	31.6	34.0	26.8	360	360	0	0	360	0	0	0	120	0
		DONGALA	30.2	34.0	24.6	360	360	0	0	360	0	0	0	120	0
		KARIM	31.8	34.8	26.5	360	360	0	0	360	0	0	0	120	0

LIST OF STATIONS WITH
EXTREME ARIDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR IS ONE DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
HYPERTH.	SUDA	KARIMA SUDAN	31.0	34.0	25.4	360	360	0	0	360	0	0	0	120	0
		STATION-NO-6	28.4	32.1	23.2	360	360	0	0	360	0	0	0	120	0
		TOKAR	32.3	35.8	28.8	360	360	0	0	360	0	0	0	120	0
		WADI-EL-HALF	28.3	32.4	22.2	360	360	0	0	360	0	0	0	120	0
	SWAF	KEETMANSHOOP	22.9	26.3	18.4	360	360	0	0	360	0	0	0	120	0
		WARMBAD	23.3	27.3	18.6	360	360	0	0	360	0	0	0	120	0
	TUNI	DJERBA	22.5	26.5	18.4	360	360	0	0	360	0	0	0	120	0
		GAFSA	22.2	27.9	15.6	360	360	0	0	360	0	0	0	120	0
		GHADAMES	24.2	30.4	17.5	360	360	0	0	360	0	0	0	120	0
		KEBILI	23.4	29.9	16.4	360	360	0	0	360	0	0	0	120	0
		MEDENINE	23.0	28.0	17.5	360	360	0	0	360	0	0	0	120	0
		METLAOUI	22.8	29.1	16.5	360	360	0	0	360	0	0	0	120	0
		RAMADA	23.5	28.9	17.7	360	360	0	0	360	0	0	0	120	0
		SEBHA	25.0	30.1	18.7	360	360	0	0	360	0	0	0	120	0
		TATAHOUINE	22.8	28.0	16.9	360	360	0	0	360	0	0	0	120	0
		TOZEUR	23.8	30.3	17.3	360	360	0	0	360	0	0	0	120	0
ISO HYPERTH.	ANGO	CAVACO	25.6	26.5	22.7	360	360	0	0	360	0	0	0	120	0
		MOCAMEDES	22.9	24.0	20.1	360	360	0	0	360	0	0	0	120	0
	EGYP	ABUL-KIZA	29.0	31.1	26.5	360	360	0	0	360	0	0	0	120	0
		DAEDALUS	28.5	30.7	25.9	360	360	0	0	360	0	0	0	120	0
	KENY	LODWAR KENYA	31.8	30.9	31.8	360	360	0	0	360	0	0	0	120	0
	MAUR	PORT-ETIENNE	24.2	24.9	22.3	360	360	0	0	360	0	0	0	120	0
	MORO	VILLA-CISNER	22.8	23.6	21.3	360	360	0	0	360	0	0	0	120	0
	SOMA	CAPO-GUARDAF	27.5	28.1	26.3	360	360	0	0	360	0	0	0	120	0
		EL-BUR	30.7	30.2	29.7	360	360	0	0	360	0	0	0	120	0
		GARDO.SOMALY	27.2	28.2	24.8	360	360	0	0	360	0	0	0	120	0
		LASANOD	26.6	26.9	24.8	360	360	0	0	360	0	0	0	120	0
		OBBIA	29.1	27.9	28.9	360	360	0	0	360	0	0	0	120	0
ISO THERMIC	MORO	AGADIR	21.3	23.2	18.5	360	360	0	0	360	0	0	0	120	0
		SIDI-IFNI	21.1	22.1	19.1	360	360	0	0	360	0	0	0	120	0
	SAFR	ALEXANDER-BA	17.9	19.0	16.7	360	360	0	0	360	0	0	0	120	0
		CAPE-COLUMBI	17.7	18.8	16.4	360	360	0	0	360	0	0	0	120	0
		MOSSEL-BAY	20.5	22.4	18.8	360	360	0	0	360	0	0	0	120	0
		PORT-NOLLOTH	16.6	17.5	15.5	360	360	0	0	360	0	0	0	120	0
THERMIC	ALGE	AIN-SEFRA	19.1	25.8	12.9	297	360	0	0	360	0	0	0	120	0
		LAGHOUAT ALG	20.4	27.6	14.3	328	360	0	0	360	0	0	0	120	0
	EGYP	EL-ARISH	22.0	25.5	17.5	360	360	0	0	360	0	0	0	120	0
		GEMMEIZA	21.8	25.9	16.8	360	360	0	0	360	0	0	0	120	0
		QURASHIYA	21.6	26.0	16.5	360	360	0	0	360	0	0	0	120	0
		SAKHA	21.5	25.6	16.5	360	360	0	0	360	0	0	0	120	0
		SIDI-BARRANI	20.9	24.2	17.3	360	360	0	0	360	0	0	0	120	0
	LIBY	BU-CHEMMASH	21.7	25.5	16.7	360	360	0	0	360	0	0	0	120	0
		EL-ADEM	21.6	25.6	16.9	360	360	0	0	360	0	0	0	120	0
	MORO	BOU-DENIB	21.8	28.8	15.6	360	360	0	0	360	0	0	0	120	0
		BOUAFRA	20.0	26.6	13.8	318	360	0	0	360	0	0	0	120	0

LIST OF STATIONS WITH
EXTREME ARIDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN CNE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN TEMP > 8	DRY AFTER SOLS SUM	MOIST AFTER SOL WINT
THERMIC	MORO	CHICHAOUA	21.1	25.9	16.2	360	360	0	0	360	0	0	0	120	0
		GUERCIF	21.2	26.9	16.2	360	360	0	0	360	0	0	0	120	0
		KSAR-ES-SOUK	21.8	29.2	16.1	360	360	0	0	360	0	0	0	120	0
		MIDELT	16.9	22.8	11.9	281	360	0	0	360	0	0	0	120	0
		OUARZAZATE M	21.6	27.9	15.7	360	360	0	0	360	0	0	0	120	0
		OURAT-OULAD	18.0	23.2	12.6	296	360	0	0	360	0	0	0	120	0
		TANGER	19.9	23.3	16.8	360	360	0	0	360	0	0	0	120	0
		TIZNIT	21.9	24.9	18.9	360	360	0	0	360	0	0	0	120	0
	SAFR	BEAUFORT WES	19.6	23.1	16.0	360	360	0	0	360	0	0	0	120	0
		BEAUFORT-WES	20.5	24.2	16.6	360	360	0	0	360	0	0	0	120	0
		BRANDVLEI	20.1	24.3	15.2	360	360	0	0	360	0	0	0	120	0
		CALVINIA	18.8	22.5	15.0	360	360	0	0	360	0	0	0	120	0
		CARNAVON	18.7	23.0	13.8	360	360	0	0	360	0	0	0	120	0
		FRASERBURG	17.6	21.8	12.9	317	360	0	0	360	0	0	0	120	0
		GARIES	21.4	24.1	18.2	360	360	0	0	360	0	0	0	120	0
		HERMITAGE	20.9	23.5	17.9	360	360	0	0	360	0	0	0	120	0
		JANSENVILLE	21.5	24.8	17.5	360	360	0	0	360	0	0	0	120	0
		KLAVER	21.8	24.4	18.8	360	360	0	0	360	0	0	0	120	0
		LAIANGSBURG	19.7	23.6	15.0	360	360	0	0	360	0	0	0	120	0
		MATROOSBERG	16.7	20.1	13.2	360	360	0	0	360	0	0	0	120	0
		NELSPOORT	18.9	22.5	14.8	360	360	0	0	360	0	0	0	120	0
		O,OKIEP	20.1	23.3	16.6	360	360	0	0	360	0	0	0	120	0
		OUDTSHOORN	20.3	23.8	16.3	360	360	0	0	360	0	0	0	120	0
		POFADDER	21.0	25.1	16.4	360	360	0	0	360	0	0	0	120	0
		SPES-BONA	19.9	24.0	15.4	360	360	0	0	360	0	0	0	120	0
		VAN-WYKSVLEI	20.7	25.3	15.8	360	360	0	0	360	0	0	0	120	0
		VICTORIA-WES	17.3	21.6	12.2	304	360	0	0	360	0	0	0	120	0
		WILLISTON	19.4	23.8	14.6	360	360	0	0	360	0	0	0	120	0
		WILLOWMORE	18.3	22.0	14.2	360	360	0	0	360	0	0	0	120	0
	TUNI	GABES	21.8	26.1	16.7	360	360	0	0	360	0	0	0	120	0
		GABES TUNISI	21.8	26.2	17.0	360	360	0	0	360	0	0	0	120	0
		SFAX	21.5	25.4	16.9	360	360	0	0	360	0	0	0	120	0

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LIST OF STATIONS WITH
PERUDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	CAME	DEBUNDSCHA	28.3	26.9	29.3	360	0	0	360	0	0	360	360	0	120
		ISONGO	28.2	26.8	29.2	360	0	0	360	0	0	360	360	0	120
	LIBE	GREENVILLE	27.7	27.0	28.1	360	0	0	360	0	0	360	360	0	120
		NYAAKE	28.0	25.9	29.6	360	0	0	360	0	0	360	360	0	120
	MALA	FENERIVE-EST	26.3	27.8	24.5	360	0	0	360	0	0	360	360	0	120
		NAHAMPOANA	25.2	27.0	23.0	360	0	0	360	0	0	360	360	0	120
		SOANIERANA-I	26.2	27.6	24.6	360	0	0	360	0	0	360	360	0	120
	ZAIR	BOENDE	28.0	28.0	27.7	360	0	0	360	0	0	360	360	0	120
ISO THERMIC	SAFR	DEEPWALLS	18.1	19.8	16.3	360	0	0	360	0	0	360	360	0	120

VW08 AUGUST 1981

DATE 03/24/82

LIST OF STATIONS WITH
TYPIC ARIDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SJM SCLS	MOIST AFTER WINT SCL
HYPERTH.	BOTZ	FRANCISTOWN	23.3	25.3	19.1	360	258	102	0	258	102	0	29	24	0
		MAHALAPYE	23.0	25.7	18.5	360	272	88	0	272	88	0	23	22	0
		MOCHUDI	22.7	14.0	29.5	360	253	107	0	253	107	0	27	120	0
		PALAPYE-ROAD	22.7	14.4	29.3	360	256	106	0	256	104	0	26	120	0
		SELIKA	23.6	15.1	30.3	360	295	65	0	295	65	0	22	120	0
		TSABONG	22.2	26.2	17.3	360	354	6	0	354	6	0	6	99	0
	MALA	AMPANIHY-OUE	27.2	29.3	24.2	360	272	88	0	272	88	0	29	35	0
		AMPOTAKA	26.9	29.1	23.8	360	310	50	0	310	50	0	15	35	0
		TSIHOMBE	26.6	28.9	23.7	360	304	56	0	304	56	0	19	35	0
	MALI	GAO	31.6	32.7	27.3	360	329	31	0	329	31	0	22	53	0
		TESSALIT	31.1	34.5	25.7	360	355	5	0	355	5	0	5	70	0
		TOMBOUCTOU M	31.8	32.7	27.4	360	337	23	0	337	23	0	15	60	0
	MAUR	BOUTILIMIT	30.6	32.0	26.7	360	350	10	0	350	10	0	10	65	0
	MOZA	PAFURI	27.7	29.6	24.3	360	332	28	0	332	28	0	11	67	0
	NIGE	AGADES	30.4	32.4	25.4	360	347	13	0	347	13	0	13	62	0
	RHOD	BEITBRIDGE	25.6	28.0	21.7	360	340	20	0	340	20	0	10	95	0
		BIRCHENOUGH	25.1	26.9	21.5	360	300	60	0	300	60	0	21	60	0
		HOT SPRINGS	25.2	26.9	21.3	360	269	91	0	269	91	0	29	55	0
		NUANETSI	24.6	26.9	20.5	360	292	68	0	292	68	0	19	35	0
		NYANYADZI	25.2	27.1	21.6	360	284	76	0	284	76	0	26	53	0
		SABI VALLEY	25.0	26.9	21.4	360	280	80	0	280	80	0	20	33	0
		TULI	23.7	25.6	19.6	360	266	94	0	266	94	0	25	27	0
		TULI ESTATE	23.4	25.6	19.4	360	283	77	0	283	77	0	21	33	0
	SAFR	BOEGOEBERDAM	22.7	27.2	17.9	360	350	10	0	350	10	0	10	75	0
		DIKGATLONG	23.3	26.2	18.4	360	285	75	0	285	75	0	19	26	0
		MARNITZ	23.2	25.6	19.1	360	310	50	0	310	50	0	25	56	0
		MAUN	24.7	26.4	20.4	360	272	88	0	272	88	0	27	21	0
		MESSINA	25.8	27.8	22.4	360	320	40	0	320	40	0	12	65	0
	SUDA	EL-FASHER	28.5	30.0	25.0	360	316	44	0	316	44	0	26	49	0
		GEBEIT	27.9	31.3	24.4	360	354	6	0	354	6	0	6	69	0
		KHARTOUM SUD	31.2	32.3	27.2	360	350	10	0	350	10	0	10	65	0
		FORT-SUDAN	31.2	34.8	28.2	360	351	9	0	351	9	0	9	120	0
		SHENDI	32.1	34.3	27.7	360	352	8	0	352	8	0	8	67	0
ISO HYPERTH.	ANGO	LOBITO	25.8	26.6	23.0	360	333	27	0	333	27	0	14	75	0
		LUANDA ANGOL	26.7	27.7	24.3	360	310	50	0	310	50	0	29	75	0
	CHAD	MAO	31.3	31.7	27.5	360	310	25	25	310	25	25	36	39	0
	ETHI	AGORDAT	31.5	31.4	29.5	360	320	40	0	320	40	0	25	50	0
	KENY	GARISSA KENY	30.9	30.9	29.6	360	333	27	0	333	27	0	10	105	0
		MAGADI	31.4	31.9	30.3	360	325	35	0	325	35	0	17	75	0
		MANDERA	31.4	30.5	31.6	360	344	16	0	344	16	0	16	120	0
		VOI	27.4	28.1	26.0	360	271	89	0	271	89	0	28	62	0
		WAJIR KENYA	30.5	28.5	31.9	360	349	11	0	349	11	0	11	120	0
	MALA	ANTANIMORA	26.3	28.3	23.6	360	276	84	0	276	84	0	28	33	0
		BETANIMENA	26.7	28.9	24.2	360	333	27	0	333	27	0	18	57	0
		MOROMBE	27.2	29.3	24.9	360	286	37	37	286	37	37	45	30	0

TYPIC ARIDIC

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TYPIC ARIDIC

LIST OF STATIONS WITH
TYPIC ARIDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR IS DRY	M/D	MOI	DAYS MCS WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	MALA	TULEAR	26.3	28.5	23.9	360	337	23	0	337	23	0	12	63	0
		TULEAR MALAG	26.3	28.3	23.8	360	328	32	0	328	32	0	13	62	0
	MALI	HOMBORI	32.2	32.2	28.8	360	299	35	26	299	35	26	41	34	0
		MENAKA MALI	32.4	33.2	28.2	360	333	27	0	333	27	0	18	57	0
	MAUR	NEMA	32.5	33.2	28.5	360	329	31	0	329	31	0	17	38	0
		NOUAKCHOTT	28.3	29.4	25.2	360	352	8	0	352	8	0	8	67	0
		ROSSO	29.8	31.0	26.7	360	319	41	0	319	41	0	28	45	0
	MOZA	CATUANE	25.4	27.3	22.8	360	269	91	0	269	91	0	20	27	0
		CHIBUTO	27.0	28.7	24.3	360	260	100	0	260	100	0	29	23	0
		CHOKUE	27.3	29.3	24.5	360	276	84	0	276	84	0	23	28	0
		FUNHALOURO	27.5	29.0	24.7	360	287	73	0	287	73	0	22	33	0
		MOAMBA	26.5	28.4	23.8	360	257	103	0	257	103	0	27	17	0
	NIGE	TAHOUA	31.0	30.9	27.7	360	304	56	0	304	56	0	28	38	0
	SAFR	OTOBOTINI	25.2	27.2	22.4	360	206	154	0	206	154	0	44	6	0
	SENE	PODOR	30.8	32.1	27.2	360	319	41	0	319	41	0	24	34	0
	SOMA	AFGOI.SOMALY	29.9	28.6	30.4	360	298	62	0	298	62	0	15	105	0
		AFMADU	30.9	28.1	32.8	360	291	69	0	291	69	0	17	105	0
		BALAD	30.2	28.8	30.9	360	303	57	0	303	57	0	17	105	0
		BARDERA	31.4	28.9	32.8	360	320	40	0	320	40	0	15	105	0
		BELET-UEN	31.2	30.3	31.1	360	346	14	0	346	14	0	8	105	0
		BRAVA	28.8	27.8	28.9	360	308	52	0	308	52	0	22	90	0
		BULC-BURTI	31.2	29.4	31.8	360	316	44	0	316	44	0	15	105	0
		BUR-ACABA	31.2	30.1	30.9	360	298	62	0	298	62	0	23	105	0
		BURAO	25.6	26.6	23.5	360	348	12	0	348	12	0	12	120	0
		CHISIMAIO	29.5	29.4	28.6	360	310	50	0	310	50	0	22	120	0
		GALCAIO	29.9	29.9	28.7	360	351	9	0	351	9	0	9	120	0
		GENALE	29.1	27.5	29.6	360	292	68	0	292	68	0	20	92	0
		HARGEISA	24.3	25.4	21.7	360	278	82	0	278	82	0	23	45	0
		LUGH-FERRAND	33.1	30.8	34.5	360	334	26	0	334	26	0	19	120	0
		MAHADDEI-UEN	29.2	27.6	30.2	360	308	52	0	308	52	0	15	105	0
		MARGHERITA	30.3	28.6	31.5	360	305	55	0	305	55	0	17	91	0
		MOGADISCIO	29.6	28.4	29.4	360	314	46	0	314	46	0	16	92	0
		GODDUR	29.2	28.2	28.8	360	298	62	0	298	62	0	21	105	0
		VILLABRUZZI	30.1	28.3	30.6	360	294	66	0	294	66	0	20	105	0
	SUDA	AROMA	30.8	31.6	27.6	360	331	29	0	331	29	0	14	61	0
		ED-DUEIM	31.5	31.7	28.5	360	316	44	0	316	44	0	24	38	0
		KASSALA SUDA	30.7	30.6	26.0	360	310	50	0	310	50	0	25	36	0
		KOSTI SUDAN	30.0	29.9	27.2	360	290	70	0	290	70	0	43	32	0
		WAD MEDANI S	29.8	30.1	26.6	360	297	63	0	297	63	0	28	37	0
		WAD-ET-TURAB	30.7	31.9	27.1	360	334	26	0	334	26	0	14	61	0
	UGAN	BUTIABA	28.1	27.2	28.8	360	195	165	0	195	165	0	25	15	0
MESIC	SAFR	SUTHERLAND	14.9	18.9	10.7	267	276	84	0	276	84	0	27	120	0
THERMIC	SAFR	ANDRIESFONTE	17.3	21.5	12.3	303	334	26	0	334	26	0	26	75	0
		CRADOCK	19.0	22.4	14.9	360	330	30	0	330	30	0	17	45	0
		DE-AAR	18.7	23.2	14.0	360	338	22	0	338	22	0	22	75	0

LIST OF STATIONS WITH
TYPIC ARIDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SCL
THERMIC	SAFR	GRAAF-REINET	21.1	24.3	17.5	360	345	15	0	345	15	0	15	75	0
		KIMBERLEY SC	20.3	24.1	15.5	360	297	63	0	297	63	0	29	22	0
		KURUMAN	20.3	24.1	15.7	360	293	67	0	293	67	0	29	17	0
		MURRAYBURG	17.7	21.9	13.3	345	346	14	0	346	14	0	14	75	0
		POSTMASBURG	21.3	25.0	17.0	360	338	22	0	338	22	0	22	75	0
		PRIESKA	21.8	26.5	16.2	360	350	10	0	350	10	0	10	75	0
		RIVERSDALE	19.8	22.5	16.8	360	320	40	0	320	40	0	27	75	0
	SWAF	GOBABIS	21.9	24.9	17.6	360	294	66	0	294	66	0	24	21	0

VW08 AUGUST 1981

DATE 03/24/82

TYPIC TEMPUSTIC

LIST OF STATIONS WITH
TYPIC TEMPUST.
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
HYPERTH.	EGYP	ALEXANDRIA	22.8	26.3	18.9	360	246	114	0	246	114	0	114	120	0
	LIBY	AZIZIA	23.3	28.0	17.7	360	222	138	0	222	138	0	138	120	0
		HOMS	22.5	26.3	17.5	360	219	141	0	219	141	0	141	120	0
		MISRATAH	22.6	26.0	18.1	360	223	137	0	223	137	0	137	120	0
		SORMAN(SALS)	22.2	26.0	17.7	360	229	131	0	229	131	0	131	120	0
		SULUQ	22.3	26.2	17.5	360	264	96	0	264	96	0	96	120	0
		ZAVIA	22.7	26.2	17.9	360	222	138	0	222	138	0	138	120	0
		ZLITEN	23.2	27.2	18.6	360	233	127	0	233	127	0	127	120	0
	MALA	TSIVORY	25.5	27.6	22.3	360	51	105	204	51	105	204	309	0	9
	MORO	ZAIO	22.9	27.7	18.4	360	217	97	46	217	97	46	143	120	15
	MOZA	MANICA	23.8	25.6	20.3	360	32	91	237	32	91	237	328	0	42
	RHOD	KEZI	22.9	24.6	19.1	360	229	131	0	229	131	0	115	20	0
		LUPANE	23.7	25.3	19.6	360	149	98	113	149	98	113	197	0	0
		SAMUA PANMUR	23.2	24.9	19.6	360	74	87	199	74	87	199	269	0	4
		SHABANI	22.9	24.6	19.6	360	179	105	76	179	105	76	159	0	0
		TRIANGLE	24.8	26.9	20.9	360	217	143	0	217	143	0	101	4	0
		VICTORIA FAL	25.1	26.3	20.9	360	200	32	128	200	32	128	147	0	0
		WANKIE MAIN	23.1	24.4	19.2	360	108	113	139	108	113	139	235	0	0
	SAFR	KOMATIPOORT	25.5	27.8	22.2	360	224	136	0	224	136	0	102	14	0
		LOSKOPDAM	23.4	25.6	19.7	360	194	166	0	194	166	0	141	0	0
		NELSPRUIT	22.7	24.8	19.6	360	75	123	162	75	123	162	266	0	0
		THABAZIMBI	23.7	26.3	19.5	360	173	187	0	173	187	0	131	4	0
	SWAF	ONDANGUA	25.0	26.4	21.2	360	241	119	0	241	119	0	100	11	0
MESIC	SAFR	MOKHOTLONG	14.0	16.9	10.0	261	15	345	0	15	301	0	190	0	0
THERMIC	ALGE	BARIKA	21.0	28.2	14.8	355	253	107	0	253	107	0	92	120	0
		CAP-FALCON	20.7	24.3	17.5	360	168	192	0	168	192	0	192	120	0
		MECHERIA	18.4	25.3	12.6	286	193	167	0	193	167	0	90	120	0
		REIBELL-CHEL	18.7	25.2	13.1	303	191	169	0	191	169	0	102	120	0
		TEBESSA	18.4	24.8	12.6	290	218	142	0	218	142	0	93	120	0
	BOTZ	KANYE	21.4	14.0	27.4	360	176	184	0	176	184	0	163	120	0
		LOBATSI	20.9	12.0	28.3	360	135	225	0	135	225	0	196	119	0
		SEROWE	21.9	14.3	27.7	360	218	142	0	218	142	0	127	120	0
	LESO	WEPENER RSA	17.9	21.8	13.2	321	53	307	0	53	307	0	160	4	0
	LIBY	GIADO	20.6	26.2	14.6	355	249	111	0	249	111	0	94	120	0
		ZUARA	21.8	25.7	17.1	360	231	129	0	231	129	0	129	120	0
	MORO	BERKANE	20.7	25.3	16.6	360	189	171	0	189	171	0	171	120	0
		CABO-DE-AGUA	20.4	23.7	16.8	360	214	146	0	214	146	0	146	120	0
		EINZOREM	20.1	24.0	16.5	360	228	132	0	228	132	0	132	120	0
		EL-KELAA	21.7	27.1	16.8	360	249	111	0	249	111	0	111	120	0
		MAZAGAN	19.7	22.7	16.7	360	165	195	0	165	195	0	195	120	0
		MONTE-ARRUIT	20.0	24.0	16.3	360	225	135	0	225	135	0	135	120	0
		PUERTO-CAPAZ	21.0	24.3	17.8	360	198	162	0	198	162	0	162	120	0
		SAFI	21.8	25.2	18.4	360	175	185	0	175	185	0	185	120	0
		VILLA-NADOR	20.5	24.7	17.2	360	220	140	0	220	140	0	140	120	0
		VILLA-SANJUR	20.9	24.4	17.6	360	195	165	0	195	165	0	165	120	0

LIST OF STATIONS WITH
TYPIC TEMPUST.
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	MEAN SOIL TEMPERATURE SUMMER	MEAN SOIL TEMPERATURE WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR IS DRY	CUMULATIVE DAYS MCS IN YEAR IS M/D	CUMULATIVE DAYS MCS IN YEAR IS MOI	CUMULATIVE DAYS MCS WHEN SOIL TEMP >5 DRY	CUMULATIVE DAYS MCS WHEN SOIL TEMP >5 M/D	CUMULATIVE DAYS MCS WHEN SOIL TEMP >5 MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN TEMP > 8	MAX CONS DAYS THAT MCS IS DRY AFTER SUM SOLS	MAX CONS DAYS THAT MCS IS MOIST AFTER WINT SOL
THERMIC	RHOD	FORT VICTORI	21.7	23.5	18.3	360	96	120	144	96	120	144	264	0	0
		FORT-VICTORI	21.7	23.6	18.1	360	93	119	148	93	119	148	242	0	0
		HENDERSON	20.8	22.5	17.3	360	31	90	239	31	90	239	329	0	44
		MATOPOS NURS	20.6	22.3	16.9	360	109	111	140	109	111	140	251	0	0
		MATOPOS SANV	20.7	22.5	16.9	360	103	120	137	103	120	137	257	0	0
		MONDORO	21.9	23.5	18.5	360	49	97	214	49	97	214	311	0	19
		NOEMA DAM	21.7	23.7	17.9	360	90	99	171	90	99	171	270	0	0
	SAFR	ALIWAL-NOORD	17.8	21.4	13.2	321	112	248	0	112	248	0	130	15	0
		BETHULIE	18.7	22.6	14.1	360	204	156	0	204	156	0	110	18	0
		BLOEMFONTEIN	18.1	21.7	13.4	329	106	254	0	106	254	0	133	13	0
		CALA	18.8	21.3	15.5	360	166	194	0	166	194	0	141	5	0
		CATHCART	17.5	20.0	14.6	360	12	348	0	12	348	0	264	4	0
		FAURESMITH	18.1	22.3	13.1	318	199	161	0	199	161	0	100	20	0
		GRAHAMSTOW	18.9	21.2	16.1	360	13	347	0	13	347	0	323	7	0
		GROOTSPRUIT	19.2	22.7	14.7	360	103	257	0	103	257	0	143	12	0
		HARRISMITH	16.3	19.3	12.0	305	17	343	0	17	343	0	213	0	0
		HARTBEESFONT	19.6	22.6	15.3	360	81	135	144	81	135	144	232	2	39
		KING-WILLIAM	20.8	23.1	17.9	360	171	189	0	171	189	0	87	17	0
		KOPJE-ALLEEN	21.5	24.0	17.4	360	172	188	0	172	188	0	117	0	0
		KROONSTAD	18.9	22.4	14.1	360	91	269	0	91	269	0	174	5	0
		LICHTENBURG	19.4	22.1	15.3	360	99	261	0	99	261	0	238	0	0
		LINDLEY	17.8	21.0	13.2	324	21	339	0	21	339	0	222	0	0
		MASERU	17.7	21.2	13.2	324	28	332	0	28	332	0	161	9	0
		MONTAGU	20.1	23.8	16.3	360	260	100	0	260	100	0	100	120	0
		ONDERSTEPOOR	20.3	23.0	16.1	360	35	89	236	35	89	236	309	0	41
		POTCHEFSTROO	19.5	22.6	15.0	360	110	250	0	110	250	0	225	0	0
		QUEENSTOWN	19.3	22.5	15.5	360	184	176	0	184	176	0	117	12	0
		RABONIE-RANC	19.3	22.8	14.7	360	169	191	0	169	191	0	102	10	0
		SOMERSET-EAS	20.0	22.6	17.0	360	144	216	0	144	216	0	114	14	0
		TOWOOMBA	21.4	24.0	17.3	360	161	199	0	161	199	0	175	0	0
		UMTATA	20.1	22.5	16.7	360	146	214	0	146	214	0	112	6	0
		VEREENIGING	18.9	21.9	14.2	360	53	307	0	53	307	0	286	0	0
		WEPENER	17.9	21.8	13.2	321	50	310	0	50	310	0	160	10	0
		ZEERUST	20.9	24.0	16.2	360	148	212	0	148	212	0	170	7	0
	TUNI	EL-DJEM	21.7	27.0	16.4	360	253	107	0	253	107	0	107	120	0
		MATMATA	21.4	27.0	15.3	360	243	117	0	243	117	0	117	120	0
		SOUSSE	21.0	25.2	16.5	360	233	127	0	233	127	0	118	75	0

TYPIC TEMPUSTIC

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LIST OF STATIONS WITH
TYPIC TROPUST.
MOISTURE REGIME

TYPIC TROPUSTIC

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	BENI	BOHICAN	29.8	27.4	31.6	360	110	60	190	110	60	190	233	0	0
		BOHICON DAH	29.8	27.7	31.1	360	110	60	190	110	60	190	233	0	0
		COTONO	30.1	28.3	31.1	360	106	87	167	106	87	167	237	0	0
		KANDI	29.8	28.6	28.3	360	165	75	120	165	75	120	160	0	0
		NATITINGOU %	29.2	27.1	30.1	360	119	69	172	119	69	172	229	0	0
		PARAKOU	28.7	27.0	29.8	360	120	42	198	120	42	198	225	0	0
		SAVE %DAHOME	29.7	27.4	31.3	360	106	87	167	106	87	167	218	0	0
		SAVE.DAHOMEY	29.5	27.2	31.1	360	106	87	167	106	87	167	218	0	0
		TCHAOUROU	28.9	27.1	29.8	360	116	75	169	116	75	169	228	0	0
		TCHAOUROU %D	29.1	27.1	29.9	360	103	87	170	103	87	170	228	0	0
	BURU	BUJUMBURA BU	25.7	25.6	25.3	360	88	134	138	88	134	138	258	0	3
	CAME	BAIBOKOUM	27.7	27.2	25.9	360	99	82	179	99	82	179	250	0	0
		BOURHA	28.5	26.9	27.2	360	142	86	132	142	86	132	197	0	0
		FIGNOLE	28.7	28.2	26.9	360	111	83	166	111	83	166	234	0	0
		GAROUA-METEO	30.5	29.2	29.6	360	152	55	153	152	55	153	208	0	0
		GODE	28.6	28.1	26.8	360	104	52	204	104	52	204	244	0	0
		MOKOLO	28.5	27.3	26.8	360	161	77	122	161	77	122	184	0	0
		POLI 65.74	28.2	27.7	26.4	360	95	60	205	95	60	205	246	0	0
		REY-BOUBA	30.6	29.3	29.7	360	149	53	158	149	53	158	184	0	0
		SAFAY-DJELEP	29.2	28.7	27.4	360	109	87	164	109	87	164	230	0	0
		SIR	27.9	26.6	27.0	360	134	62	164	134	62	164	201	0	0
		TCHOLLIRE	28.3	27.8	26.5	360	108	81	171	108	81	171	240	0	0
		TOUBORO	27.6	27.1	25.8	360	97	85	178	97	85	178	250	0	0
	CENT	BAMBARI	28.6	27.4	28.9	360	61	104	195	61	104	195	254	0	0
		BIRAO	29.2	28.7	27.2	360	137	75	148	137	75	148	186	4	0
		BOSSANGOA	28.5	27.3	28.1	360	86	62	212	86	62	212	244	0	0
		BOUCA	28.4	27.7	27.6	360	93	51	216	93	51	216	250	0	0
		YALINGA	27.2	26.6	26.8	360	66	96	198	66	96	198	265	0	3
	CHAD	MOUNDOU	29.6	28.6	28.2	360	140	59	161	140	59	161	193	0	0
		PALA	29.7	28.2	28.8	360	161	46	153	161	46	153	180	0	0
		PANDZANGUE	28.3	27.8	26.5	360	123	65	172	123	65	172	211	0	0
	ETHI	NAZRETH	22.6	23.0	21.4	360	77	119	164	77	119	164	263	0	0
		WONDJI	23.3	23.7	22.1	360	61	131	168	61	131	168	264	0	3
	GAMB	WULI(GAMBIA)	29.5	29.3	26.9	360	151	46	163	151	46	163	209	0	0
	GHAN	NSAWAM	29.0	27.4	29.8	360	56	91	213	56	91	213	267	0	0
		TAMALE GHANA	30.3	28.1	31.4	360	125	104	131	125	104	131	215	0	0
		WA	29.7	27.8	30.3	360	130	68	162	130	68	162	217	0	0
		YENDI	29.9	27.9	30.7	360	122	72	166	122	72	166	223	0	0
	GUIN	BOKE.GUINEA	29.6	28.4	29.2	360	109	56	195	109	56	195	251	0	0
		CONAKRY	28.9	27.3	29.6	360	110	25	225	110	25	225	250	0	0
		KANKAN	28.4	27.3	27.3	360	98	80	182	98	80	182	249	0	0
		KINDIA	27.8	25.7	28.9	360	95	38	227	95	38	227	255	0	2
		SIGUIRI	29.3	28.2	28.1	360	140	48	172	140	48	172	206	0	0
	IVOR	BOUAKE-AERO	28.2	26.4	29.5	360	68	113	179	68	113	179	269	0	0
		FERKESSEDOUG	29.4	28.4	28.7	360	106	90	164	106	90	164	228	0	0

LIST OF STATIONS WITH
TYPIC TROPUST.
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR IS ONE DRY	M/D	MOI	DAYS MCS WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	IVOR	COTIENNE IVOR	29.0	27.9	28.7	360	101	72	187	101	72	187	246	0	0
		SASSANDRA	28.4	26.8	29.4	360	72	70	218	72	70	218	255	0	4
	KENY	LAMU	29.4	29.8	28.3	360	172	74	114	172	74	114	188	105	69
		MALINDI	28.7	29.1	27.6	360	84	34	242	84	34	242	269	61	120
		MOMBASA KENY	28.9	29.7	27.4	360	95	51	214	95	51	214	257	73	120
	MALA	AMBAHIVAHIBE	26.3	27.0	25.0	360	93	78	189	93	78	189	258	0	0
		AMBATOMAINTY	28.2	28.8	26.2	360	100	59	201	100	59	201	251	0	0
		AMBILOBE	29.4	29.7	28.0	360	127	68	165	127	68	165	233	0	0
		ANALALAVA MA	29.0	29.1	28.1	360	132	40	188	132	40	188	219	0	0
		ANKAVANDRA	29.3	29.9	27.2	360	118	84	158	118	84	158	231	0	0
		ANTSOHIHY	29.5	29.8	27.7	360	152	59	149	152	59	149	181	0	0
		KANDREHO	29.1	29.5	27.4	360	128	70	162	128	70	162	232	0	0
		MAEVATANANA	29.9	30.1	28.4	360	146	30	184	146	30	184	214	0	0
		MAINTIRANO	28.3	29.3	26.2	360	166	53	141	166	53	141	183	0	0
		MAINTIRANO M	28.0	28.9	26.1	360	165	52	143	165	52	143	185	0	0
		MAJUNGA	29.5	29.7	28.2	360	146	61	153	146	61	153	214	0	0
		MAJUNGA MALA	29.1	29.5	27.8	360	144	62	154	144	62	154	216	0	0
		MALAIMBANDY	29.0	29.9	26.6	360	141	73	146	141	73	146	194	0	0
		MANDRITSARA	27.0	28.3	25.0	360	146	60	154	146	60	154	198	0	0
		MAROTANDRANO	26.0	27.2	24.0	360	117	78	165	117	78	165	224	0	0
		MAROVOAY-MAD	29.6	30.1	27.8	360	153	50	157	153	50	157	192	0	0
		MIANDRIVAZO	29.8	30.3	27.6	360	137	77	146	137	77	146	216	0	0
		MORAFENOBE	28.7	29.2	26.9	360	114	53	193	114	53	193	235	0	0
		MORONDAVA	27.4	29.1	24.9	360	171	33	106	171	83	106	189	0	0
		PORT-BERGE	29.1	29.9	26.9	360	149	63	148	149	63	148	185	0	0
		TAMBOHORANO	28.5	29.6	26.7	360	178	42	140	178	42	140	182	0	0
		TSARATANANA	27.6	28.1	25.9	360	116	76	168	116	76	168	244	0	0
	MALI	BAMAKO	30.3	29.4	28.7	360	168	69	123	168	69	123	183	0	0
		BOUGOUNI	29.5	28.5	28.3	360	147	49	164	147	49	164	198	0	0
		KENIEBA	30.6	29.8	29.2	360	154	69	137	154	69	137	200	0	0
		KOUTIALA MAL	29.8	29.1	27.3	360	169	73	118	169	73	118	183	0	0
		SIKASSO MALI	29.8	28.9	27.9	360	132	64	164	132	64	164	201	0	0
		TOUKOTO	30.3	30.0	27.4	360	174	69	117	174	69	117	186	0	0
	MALW	CHIKWAWA	28.0	29.3	24.8	360	158	97	105	158	97	105	192	0	0
		CHILEKA	24.9	25.7	22.3	360	85	85	190	85	85	190	253	0	0
		CHITALA	25.7	26.6	22.9	360	122	92	146	122	92	146	238	0	0
		FORT-JOHNSTO	26.7	27.4	24.0	360	138	91	131	138	91	131	222	0	0
		KARONGA	26.9	27.6	24.7	360	103	78	179	103	78	179	257	0	14
		LIKOMA-ISLAN	27.9	27.9	26.0	360	163	40	157	163	40	157	197	0	0
	MOZA	CAIA	27.9	29.2	25.3	360	105	90	165	105	90	165	238	0	0
		CUAMBA	26.8	27.6	23.9	360	131	69	160	131	69	160	223	0	0
		INHAMBANE	26.1	27.8	23.4	360	58	72	230	58	72	230	255	6	65
		INHAMINGA	27.1	28.5	24.4	360	72	111	177	72	111	177	264	0	0
		INHAMUSSUA	25.0	27.0	22.4	360	107	169	84	107	169	84	235	0	0
		MACIA	24.7	26.2	22.2	360	65	119	176	65	119	176	254	7	41

LIST OF STATIONS WITH TYPIC TROPUST. MOISTURE REGIME

TYPIC TROPUSTIC

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN CNE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	MOZA	MACOMIA	27.6	28.2	26.7	360	138	39	183	138	39	183	222	0	0
		MALEMA	24.4	25.2	22.0	360	106	75	179	106	75	179	244	0	0
		MAMBONE	26.9	28.5	24.1	360	138	65	157	138	65	157	205	0	0
		MANHICA	25.7	27.3	23.2	360	103	199	58	103	199	58	196	7	0
		MARROMEU	27.8	29.0	25.6	360	109	73	178	109	73	178	236	0	0
		MAUA	26.8	27.1	24.4	360	110	62	188	110	62	188	239	0	0
		MECONTA	27.6	28.2	26.4	360	159	44	157	159	44	157	201	0	0
		MOCIMBOA	28.2	29.1	26.8	360	144	56	160	144	56	160	202	15	0
		MOMA	28.4	29.8	26.4	360	86	75	199	86	75	199	249	5	34
		MONTEPUEZ	26.7	27.4	24.8	360	133	51	176	133	51	176	227	0	0
		MOPEIA	28.8	30.3	26.1	360	141	71	148	141	71	148	204	0	0
		MORRUMBENE	25.9	27.6	23.5	360	81	107	172	81	107	172	232	4	37
		MOSSURIL	27.7	29.1	25.7	360	104	89	167	104	89	167	256	0	2
		MUECATE	27.3	28.2	25.4	360	97	70	193	97	70	193	250	0	0
		MUEDA	24.4	25.3	22.9	360	96	52	212	96	52	212	264	0	17
		MUTUALI	27.1	27.8	24.6	360	122	70	168	122	70	168	228	0	0
		NACALA	28.3	28.9	27.1	360	172	65	123	172	65	123	188	0	0
		NAMAPA	28.5	29.2	26.7	360	156	42	162	156	42	162	204	0	0
		NAMETIL	28.8	29.8	26.3	360	107	77	176	107	77	176	244	0	0
		NAMPULA	27.2	27.9	25.0	360	88	56	216	88	56	216	264	0	21
		PALMA	28.9	29.8	27.6	360	125	50	185	125	50	185	221	15	20
		QUISSANGA	28.7	29.3	27.5	360	136	69	155	136	69	155	200	6	0
		RIBAUE	26.2	27.3	23.7	360	87	72	201	87	72	201	260	0	6
		VILA-MACHADO	28.0	29.4	25.2	360	150	68	142	150	68	142	189	0	0
	NGRA	BAUCHI	28.1	27.2	26.5	360	156	79	125	156	79	125	190	0	0
		BIDA.NIGERIA	30.4	28.4	31.0	360	135	64	161	135	64	161	214	0	0
		ENUGU	29.2	27.4	30.4	360	80	36	244	80	36	244	269	0	15
		IBADAN	28.8	27.0	29.6	360	81	73	206	81	73	206	263	0	0
		IKEJA	28.7	26.8	29.9	360	66	77	217	66	77	217	249	0	0
		ILORIN	29.3	27.6	29.8	360	101	57	202	101	57	202	230	0	0
		ILORIN NIGER	29.1	27.6	29.6	360	98	59	203	98	59	203	233	0	0
		KADUNA	27.4	26.4	26.2	360	105	47	208	105	47	208	247	0	0
		LOKOJA	30.0	28.7	30.0	360	125	40	195	125	40	195	221	0	0
		MAKURDI	29.7	28.2	30.1	360	113	51	196	113	51	196	220	0	0
		MINNA	29.5	27.3	30.5	360	130	63	167	130	63	167	222	0	0
		MINNA NIGERI	29.6	27.5	30.7	360	130	64	166	130	64	166	222	0	0
		OSHOGBO	28.8	26.9	29.5	360	90	94	176	90	94	176	234	0	0
		YELWA	30.0	29.0	28.4	360	145	85	130	145	85	130	194	0	0
		YOLA.NIGERIA	30.7	29.3	30.1	360	152	54	154	152	54	154	208	0	0
	NIGE	SERTI	29.2	27.6	29.9	360	98	44	218	98	44	218	242	0	0
	PGUI	BISSAU	28.8	28.7	27.7	360	146	35	179	146	35	179	214	0	0
		BOLAMA	29.3	28.9	28.5	360	151	31	178	151	31	178	209	0	0
		BUBAQUE	28.6	28.5	27.6	360	145	33	182	145	33	182	215	0	0
		CATIO	29.2	28.6	28.4	360	141	29	190	141	29	190	219	0	0
		NOVA-LAMEGO	28.7	28.2	26.5	360	133	44	183	133	44	183	227	0	0

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LIST OF STATIONS WITH
TYPIC TROPUST.
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	RHOD	BULAWAYO AIR	22.2	23.5	19.1	360	117	110	133	117	110	133	214	0	0
		LUSULU	24.7	25.4	21.7	360	98	88	174	98	88	174	243	0	0
		MOUNT DARWIN	23.1	24.5	19.5	360	70	92	198	70	92	198	268	0	3
		NKAI	22.8	24.2	19.2	360	100	125	135	100	125	135	232	0	0
		QUE QUE	22.4	23.7	19.0	360	93	92	175	93	92	175	267	0	0
		ZAKA	23.5	25.2	20.3	360	87	72	201	87	72	201	251	0	6
	SAFR	KASANE	25.3	26.1	21.9	360	133	96	131	133	96	131	215	0	0
	SENE	GEORGETOWN-M	30.4	30.3	28.7	360	174	61	125	174	61	125	186	0	0
		KOLDA	30.1	29.8	27.8	360	157	69	134	157	69	134	203	0	0
		TAMBACOUNDA	30.6	30.0	28.4	360	179	60	121	179	60	121	181	0	0
		YUNDUM-AIRPO	27.0	27.5	25.5	360	148	73	139	148	73	139	212	0	0
		ZIGUINCHOR	29.1	29.1	27.5	360	162	65	133	162	65	133	198	0	0
	SLEO	BATKANU	29.7	28.3	30.1	360	93	40	227	93	40	227	252	0	2
		FALCONBRIDGE	29.1	28.4	29.5	360	93	36	231	93	36	231	258	0	6
		LUNGI	28.9	27.7	29.4	360	90	37	233	90	37	233	261	0	8
		MAKENI	29.4	28.5	29.2	360	80	45	235	80	45	235	262	0	10
		MARAMPA	29.2	28.0	29.4	360	86	41	233	86	41	233	261	0	8
		N,JALA	28.9	27.7	29.3	360	85	39	236	85	39	236	264	0	11
		NEWTON	28.6	27.6	28.8	360	82	42	236	82	42	236	266	0	11
		NO-2-RIVER	28.7	27.8	28.9	360	93	35	232	93	35	232	260	0	7
		PEPEL	28.9	27.9	28.9	360	87	37	236	87	37	236	262	0	11
		PORT-LOKO	29.2	27.8	29.7	360	94	36	230	94	36	230	256	0	5
		ROKUPR	29.2	28.1	29.3	360	97	33	230	97	33	230	256	0	5
	SUDA	AKOBO	30.5	28.1	31.6	360	150	95	115	150	95	115	201	0	0
		AWEIL	29.8	29.0	28.8	360	153	62	145	153	62	145	207	0	0
		DIEM-ZUBEIR	31.6	32.8	28.3	360	127	70	163	127	70	163	198	0	0
		GAMBELA	30.0	27.8	31.3	360	122	39	199	122	39	199	226	0	0
		JUBA SUDAN	28.8	26.5	30.5	360	110	52	198	110	52	198	221	0	0
		KURMUK	30.2	27.2	32.1	360	147	79	134	147	79	134	187	0	0
		NASIR	30.2	28.3	30.5	360	175	78	107	175	78	107	165	0	0
		RAGA	28.6	28.1	27.1	360	113	74	173	113	74	173	239	0	0
		RUMBEK	29.8	28.2	30.0	360	141	70	149	141	70	149	206	0	0
		TORIT	29.3	27.1	31.0	360	125	103	132	125	103	132	214	0	0
		WAU	30.1	28.8	30.1	360	134	64	162	134	64	162	216	0	0
		ZALINEI	26.3	27.2	23.6	360	168	68	124	168	68	124	180	15	0
	TANZ	CHALA	29.7	30.6	28.5	360	147	54	159	147	54	159	187	0	0
		CHUNYA	23.6	23.7	22.1	360	110	53	197	110	53	197	250	0	2
		CHWAKA	29.4	30.3	28.3	360	72	113	175	72	113	175	191	19	36
		DAR ES SALAA	28.3	29.3	26.9	360	113	132	115	113	132	115	197	21	40
		DODOMA	25.2	25.9	23.4	360	175	55	130	175	55	130	185	0	0
		ITAGA	26.1	25.5	25.1	360	93	69	198	93	69	198	267	0	3
		KIGOMA	26.0	25.7	25.6	360	79	81	200	79	81	200	267	0	5
		KONDOA	23.8	24.6	22.0	360	113	97	150	113	97	150	247	0	15
		KONGWA	24.6	25.4	22.8	360	176	55	129	176	55	129	184	0	0
		LINDI	28.6	29.4	27.5	360	151	64	145	151	64	145	201	0	0

TYPIC TROPUSTIC

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LIST OF STATIONS WITH
TYPIC TROPUST.
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	MEAN SOIL TEMPERATURE SUMMER	MEAN SOIL TEMPERATURE WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	CUMULATIVE DAYS MCS IN ONE YEAR IS M/D	CUMULATIVE DAYS MCS IN ONE YEAR IS MOI	CUMULATIVE DAYS MCS WHEN SOIL TEMP >5 DRY	CUMULATIVE DAYS MCS WHEN SOIL TEMP >5 M/D	CUMULATIVE DAYS MCS WHEN SOIL TEMP >5 MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	TANZ	MALANGALI	23.1	24.1	21.6	360	102	57	201	102	57	201	258	0	6
		MASASI	27.7	28.6	25.9	360	127	73	160	127	73	160	233	0	0
		MOROGORO	26.8	28.1	24.9	360	95	116	149	95	116	149	223	15	44
		MOSHI	26.0	27.0	24.2	360	130	94	136	130	94	136	219	75	61
		MPWAPWA	24.5	25.3	23.3	360	131	73	156	131	73	156	229	0	0
		MTWARA	28.4	29.1	27.3	360	112	58	190	112	58	190	231	0	0
		NACHINGWEA	27.1	28.0	25.4	360	104	88	168	104	88	168	244	0	3
		OLD-SHINYANG	26.0	25.8	25.1	360	107	82	171	107	82	171	234	0	6
		TUNDURU	26.0	26.6	24.6	360	124	47	189	124	47	189	236	0	0
		UKIRIGURU	25.5	25.2	24.8	360	104	82	174	104	82	174	256	0	5
	TOGO	ATAKPAME	28.4	26.5	30.0	360	72	80	208	72	80	208	269	0	0
		LOME.AEKO	28.9	27.1	29.9	360	127	112	121	127	112	121	194	0	0
		MANGO.TOGO	30.6	28.7	30.6	360	153	80	127	153	80	127	182	0	0
		NUATJA	29.4	27.6	30.5	360	93	70	197	93	70	197	243	0	0
		SOKODE TOGO	28.4	27.1	28.5	360	93	62	205	93	62	205	242	0	0
		TABLIGBO TOG	29.4	27.4	30.7	360	90	88	182	90	88	182	245	0	0
	UVOL	BOBO-DIOULAS	29.4	28.3	28.3	360	144	86	130	144	86	130	191	0	0
		GAOUA	30.0	28.5	30.2	360	130	67	163	130	67	163	220	0	0
	ZAIR	UVIRA	26.4	26.2	26.1	360	76	93	191	76	93	191	259	0	26
	ZAMB	LIVINGSTONE	24.2	24.6	20.7	360	74	96	190	74	96	190	257	0	0
		LUANGWA-BRID	28.2	28.7	24.8	360	159	94	107	159	94	107	187	0	0
		LUNDAZI	22.6	23.7	19.5	360	69	88	203	69	88	203	268	0	8
		NAMWALA	23.4	24.6	19.7	360	68	128	164	68	128	164	263	0	0
		SENANGA	25.4	25.9	22.5	360	100	83	177	100	83	177	241	0	0
ISO THERMIC	ETHI	ASMARA	19.1	19.5	18.1	360	129	66	165	129	66	165	231	15	0
	RHOD	BULAWAYO GOE	21.7	23.0	18.6	360	140	96	124	140	96	124	220	0	0
	SAFR	CAPE-L,AGULH	19.3	21.4	17.3	360	163	197	0	163	197	0	197	120	0
		DANGER-POINT	18.6	20.2	17.0	360	111	87	162	111	87	162	249	96	105
		IDUTYWA	19.1	20.9	16.8	360	123	237	0	123	237	0	237	0	0
		PORT-ELIZABE	19.7	21.9	17.4	360	132	228	0	132	228	0	228	117	0

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TYPIC TROPUSTIC

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LIST OF STATIONS WITH
TYPIC UDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	CAME	ABONG-MBANG	25.8	25.0	25.7	360	0	17	343	0	17	343	360	0	45
		ABONGMB65.74	26.0	25.5	25.7	360	0	8	352	0	8	352	360	0	45
		AMBAM 73.74	26.8	25.7	27.3	360	0	0	360	0	0	360	360	0	120
		BAFUT	23.1	22.3	23.4	360	0	0	360	0	0	360	360	0	120
		BAMENDA-HOSP	22.0	20.9	22.6	360	0	0	360	0	0	360	360	0	120
		BATIBO	23.7	22.3	24.4	360	0	0	360	0	0	360	360	0	120
		BERTOUA	26.2	25.5	26.0	360	0	29	331	0	29	331	360	0	45
		BU	22.7	21.6	23.3	360	0	0	360	0	0	360	360	0	120
		BUEA-FARM	22.7	21.4	23.3	360	0	0	360	0	0	360	360	0	120
		BUM	23.5	22.4	24.1	360	0	16	344	0	16	344	360	0	59
		CAMPO	28.3	26.9	29.4	360	0	0	360	0	0	360	360	0	120
		DJOUM	26.2	25.2	26.7	360	0	10	350	0	10	350	360	0	65
		EBOLOWA65.74	26.5	25.4	27.3	360	0	0	360	0	0	360	360	0	120
		ESSOSONG	24.8	23.2	25.8	360	0	0	360	0	0	360	360	0	120
		FONFUKA	24.1	23.5	24.4	360	0	0	360	0	0	360	360	0	120
		IDENAU	28.3	26.9	29.3	360	0	0	360	0	0	360	360	0	120
		KRIBI 65.74	28.8	27.4	29.9	360	0	4	356	0	4	356	360	0	71
		KUMFUTU	22.1	21.5	22.4	360	0	11	349	0	11	349	360	0	64
		LINKSFLUSS	28.2	26.8	29.2	360	0	0	360	0	0	360	360	0	120
		LOLODORF	26.8	25.2	28.5	360	0	19	341	0	19	341	360	0	45
		LOMIE 65.74	26.0	25.7	25.8	360	0	20	340	0	20	340	360	0	45
		MAKAK	26.0	24.8	26.9	360	0	29	331	0	29	331	360	0	45
		MBANDE	26.2	25.1	26.8	360	0	0	360	0	0	360	360	0	120
		MBETTA	26.6	25.0	27.6	360	0	21	339	0	21	339	360	0	45
		MDIAN-ESTATE	27.9	26.5	28.9	360	0	0	360	0	0	360	360	0	120
		MISSONG	24.4	23.8	24.7	360	0	17	343	0	17	343	360	0	75
		MONT-COUPE	25.3	23.8	25.9	360	0	0	360	0	0	360	360	0	120
		MUKUNDANGE	28.2	26.8	29.2	360	0	22	338	0	22	338	360	0	75
		NGOULEMAKONG	26.0	24.6	27.0	360	0	23	337	0	23	337	360	0	45
		NJINIKOM	22.4	21.3	23.0	360	0	0	360	0	0	360	360	0	120
		NKOEMVONE	26.8	25.4	27.8	360	0	0	360	0	0	360	360	0	120
		NTEM	24.3	24.0	24.0	360	0	20	340	0	20	340	360	0	55
		PENJA	23.7	23.2	23.8	360	0	0	360	0	0	360	360	0	120
		RIO-DEL-REY	28.4	27.0	29.4	360	0	8	352	0	8	352	360	0	75
		SANGMELIMA	26.0	25.0	26.5	360	0	5	355	0	5	355	360	0	70
		SANGMEL65.74	26.0	25.3	26.2	360	0	0	360	0	0	360	360	0	120
		TOMBEL	26.6	25.1	27.4	360	0	0	360	0	0	360	360	0	120
		WUM-CATHOLIC	23.9	23.1	24.2	360	0	0	360	0	0	360	360	0	120
		YOKADOUMA	26.7	26.0	26.6	360	0	0	360	0	0	360	360	0	120
	CONG	IMPFONDO CON	27.8	27.2	28.2	360	0	0	360	0	0	360	360	0	120
		OUESSO CONGO	27.9	27.3	28.2	360	0	8	352	0	8	352	360	0	67
		SOUANKE	26.5	25.7	26.5	360	0	0	360	0	0	360	360	0	120
	EQGU	CAMPO	27.6	26.4	28.6	360	0	0	360	0	0	360	360	0	120
	ETHI	AGARO	22.9	22.4	22.6	360	0	0	360	0	0	360	360	0	120
		BABAKA	24.2	23.0	25.0	360	0	0	360	0	0	360	360	0	120

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TYPIC UDIC

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TYPIC UDIC

LIST OF STATIONS WITH
TYPIC UDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	DAYS MCS WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	ETHI	BACC.ETHIOPY	22.3	21.2	22.5	360	0	0	360	0	0	360	360	0	120
		BONGA	22.2	21.3	22.7	360	0	0	360	0	0	360	360	0	120
		YIRGALEM	22.1	21.8	22.0	360	0	0	360	0	0	360	360	0	120
	GABO	BITAM	26.6	25.2	27.6	360	0	0	360	0	0	360	360	0	120
		BITAM*GABON	26.9	25.8	27.6	360	0	0	360	0	0	360	360	0	120
		MINVOUL	26.5	25.6	27.1	360	0	0	360	0	0	360	360	0	120
		MITZIC	26.4	24.7	27.3	360	0	25	335	0	25	335	360	0	120
	GHAN	BUNSO	28.3	27.1	28.6	360	0	27	333	0	27	333	360	0	120
		ESIAMA	28.5	27.6	28.9	360	0	26	334	0	26	334	360	0	45
	GUIN	MACENTA	26.7	26.2	26.1	360	0	18	342	0	18	342	360	0	45
	LIBE	BUAH.LIBERIA	29.4	29.5	29.2	360	0	0	360	0	0	360	360	0	120
		HARBEL	28.2	26.8	28.9	360	0	14	346	0	14	346	360	0	45
		HARPER	27.0	25.5	26.4	360	0	0	360	0	0	360	360	0	120
		VOINJANA	27.1	26.2	27.0	360	0	9	351	0	9	351	360	0	66
		ZIATOWN	28.2	27.8	27.7	360	0	4	356	0	4	356	360	0	71
	MALA	AMBODIFOTOTR	26.9	28.3	25.3	360	0	0	360	0	0	360	360	0	120
		ANOSIBE	23.4	25.2	21.2	360	0	0	360	0	0	360	360	0	120
		ANTALAHA	26.6	27.7	25.2	360	0	0	360	0	0	360	360	0	120
		ANTALAHA MAL	26.0	27.2	24.5	360	0	0	360	0	0	360	360	0	120
		FARAFANGANA	25.4	27.1	23.4	360	0	0	360	0	0	360	360	0	120
		FORT-DAUPHIN	25.2	26.9	23.3	360	0	0	360	0	0	360	360	0	120
		IFANADIANA	23.8	25.5	21.3	360	0	0	360	0	0	360	360	0	120
		IVOLOINA	26.3	27.9	24.5	360	0	0	360	0	0	360	360	0	120
		MAHANCRO	25.9	27.4	24.1	360	0	0	360	0	0	360	360	0	120
		MANAKARA	25.4	27.2	23.5	360	0	0	360	0	0	360	360	0	120
		MANANARA-NOR	27.0	28.4	25.4	360	0	0	360	0	0	360	360	0	120
		MANANJARY MA	25.6	27.2	23.6	360	0	0	360	0	0	360	360	0	120
		MAROANTSETRA	26.3	27.8	24.5	360	0	0	360	0	0	360	360	0	120
		MAROLAMBO	24.9	26.7	22.7	360	0	0	360	0	0	360	360	0	120
		MIDONGY-DU-S	23.2	25.0	20.6	360	0	0	360	0	0	360	360	0	120
		NOSY-VARIKA	26.0	27.6	24.2	360	0	0	360	0	0	360	360	0	120
		TAMATAVE MAL	26.1	27.7	24.3	360	0	0	360	0	0	360	360	0	120
		VATOMANDRY	26.1	27.7	24.5	360	0	0	360	0	0	360	360	0	120
		VOHEMAR	28.0	29.0	26.6	360	0	19	341	0	19	341	360	0	120
	MALW	MASAMBANJATI	22.6	23.6	20.0	360	0	0	360	0	0	360	360	0	120
		MLANJE	24.1	25.4	21.1	360	0	0	360	0	0	360	360	0	120
	MOZA	ESPUNGABERA	22.4	23.5	20.2	360	0	0	360	0	0	360	360	0	120
		GURUE	24.8	25.8	21.9	360	0	16	344	0	16	344	360	0	119
		MILANGE	25.4	26.3	23.3	360	0	24	336	0	24	336	360	0	99
	RHOD	INYANGI LLLU	22.3	23.4	19.7	360	0	0	360	0	0	360	360	0	120
	RWAN	BUTARE	22.0	21.6	22.2	360	0	5	355	0	5	355	360	0	120
		KIGALI	23.1	23.1	23.0	360	0	24	336	0	24	336	360	0	120
	SAFR	DURBAN	23.0	25.0	20.6	360	0	0	360	0	0	360	360	0	120
		EMPANGENI	23.6	25.7	21.0	360	0	0	360	0	0	360	360	0	120
		HLABISA	22.4	24.2	20.4	360	0	0	360	0	0	360	360	0	120

LIST OF STATIONS WITH
TYPIC UDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	DAYS MCS WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	SAFR	MOUNT-EDGECO	23.0	24.8	20.7	360	0	0	360	0	0	360	360	0	120
		PORT-SHEPSTO	22.5	24.4	20.4	360	0	0	360	0	0	360	360	0	120
		PORT-ST-JOHN	22.5	23.9	21.0	360	0	0	360	0	0	360	360	0	120
		ST-LUCIA-BAY	24.0	25.8	21.8	360	0	0	360	0	0	360	360	0	120
	TANZ	AMANI	23.2	24.5	21.7	360	0	0	360	0	0	360	360	0	120
		BUKOBA	23.7	23.8	23.3	360	0	0	360	0	0	360	360	0	120
		LYAMUNGU	22.1	23.2	20.5	360	0	0	360	0	0	360	360	0	120
	TOGO	ATILAKOUTSE	24.8	23.0	25.8	360	0	28	332	0	28	332	360	0	45
	UGAN	ENTEBBE	24.0	23.1	24.4	360	0	0	360	0	0	360	360	0	120
		ENTEBBE UGAN	24.0	23.1	24.6	360	0	0	360	0	0	360	360	0	120
		HOIMA	25.1	23.9	26.4	360	0	0	360	0	0	360	360	0	120
		KAMPALA	24.5	23.2	25.8	360	0	0	360	0	0	360	360	0	120
		MASAKA	23.5	23.9	23.0	360	0	0	360	0	0	360	360	0	120
		MBARARA	23.0	23.1	22.9	360	0	0	360	0	0	360	360	0	120
		MUBENDE	22.9	22.2	23.8	360	0	0	360	0	0	360	360	0	120
		TORORO	25.0	23.8	26.0	360	0	0	360	0	0	360	360	0	120
	ZAIR	BAMBESA	26.6	26.0	26.8	360	0	1	359	0	1	359	360	0	75
		BENI	24.0	23.0	24.2	360	0	0	360	0	0	360	360	0	120
		BUNIA	24.0	23.0	24.2	360	0	0	360	0	0	360	360	0	120
		EALA	28.0	27.3	28.5	360	0	0	360	0	0	360	360	0	120
		INONGO	28.6	28.5	28.3	360	0	24	336	0	24	336	360	0	75
		KISANGANI	28.1	27.5	28.3	360	0	0	360	0	0	360	360	0	120
		POKO	27.4	26.7	27.7	360	0	11	349	0	11	349	360	0	75
		WAMBA	25.9	25.1	26.3	360	0	0	360	0	0	360	360	0	120
ISO THERMIC	BURU	BUSIGA	21.1	21.2	21.4	360	0	17	343	0	17	343	360	0	58
		KATARA	21.4	21.6	21.1	360	0	15	345	0	15	345	360	0	60
		KISOZI	16.9	17.1	16.1	360	0	0	360	0	0	360	360	0	120
		LUVIRONZA	19.0	19.1	18.1	360	0	0	360	0	0	360	360	0	120
	CAME	BALI-COUNCIL	21.7	20.9	22.0	360	0	0	360	0	0	360	360	0	120
		BAMENDA-METE	21.5	20.4	22.1	360	0	0	360	0	0	360	360	0	120
		BELO	16.7	16.1	17.0	360	0	0	360	0	0	360	360	0	120
		KOM	20.3	19.2	20.9	360	0	0	360	0	0	360	360	0	120
		MBEM	20.5	19.9	20.7	360	0	0	360	0	0	360	360	0	120
		MBENGWI	21.0	19.5	22.4	360	0	0	360	0	0	360	360	0	120
		MBINGO	21.6	20.5	22.2	360	0	0	360	0	0	360	360	0	120
		SANTA-AGRIC	21.8	20.3	23.2	360	0	11	349	0	11	349	360	0	75
		TABENKEN	17.1	16.5	17.4	360	0	16	344	0	16	344	360	0	59
		YAKIRI	20.1	19.9	20.2	360	0	0	360	0	0	360	360	0	120
	ETHI	ADDIS-ABABA	18.4	18.0	17.9	360	0	18	342	0	18	342	360	0	57
		ADOLA	21.7	21.2	21.4	360	0	0	360	0	0	360	360	0	120
		DEBRE-MARCOS	17.7	16.5	17.9	360	0	0	360	0	0	360	[illegible]	0	120
		GORE.ETHIOPY	20.6	18.9	21.8	360	0	0	360	0	0	360	360	0	120
		HOSSANA	19.0	18.0	19.3	360	0	0	360	0	0	360	360	0	120
		JIMMA	21.3	21.0	20.6	360	0	0	360	0	0	360	360	0	120
		SAJA.ETHIOPY	21.3	20.3	21.7	360	0	0	360	0	0	360	360	0	120

TYPIC UDIC

LIST OF STATIONS WITH
TYPIC UDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO THERMIC	ETHI	SILTE	20.0	19.4	19.4	360	0	0	360	0	0	360	360	0	120
		WONDO	20.1	19.7	19.9	360	0	0	360	0	0	360	360	0	120
		WUSH-WUSH	20.8	20.6	20.4	360	0	0	360	0	0	360	360	0	120
	KENY	ELDORET	19.2	18.1	19.5	360	0	0	360	0	0	360	360	0	120
		KISII	21.7	21.9	21.4	360	0	0	360	0	0	360	360	0	120
		KITALE	20.8	19.8	21.4	360	0	0	360	0	0	360	360	0	120
		NAIROBI/DAGO	20.0	20.0	18.5	360	0	0	360	0	0	360	360	0	120
		NAKURU	19.4	19.5	18.9	360	0	0	360	0	0	360	360	0	120
		NANYUKI	18.7	18.0	19.3	360	0	0	360	0	0	360	360	0	120
	MALA	ANDOHIBARY	18.9	20.5	16.3	360	0	0	360	0	0	360	360	0	120
		AMBOSITRA	20.4	22.1	17.9	360	0	0	360	0	0	360	360	0	120
		AMPATAKAMARC	21.9	23.6	19.7	360	0	0	360	0	0	360	360	0	120
		ANALAMAZAOTR	21.7	23.5	19.4	360	0	0	360	0	0	360	360	0	120
		ANTSIRABE	19.4	21.1	16.6	360	0	0	360	0	0	360	360	0	120
		FARATSIHO	19.2	20.3	17.2	360	0	0	360	0	0	360	360	0	120
		MANTASOA	19.2	21.0	16.6	360	0	0	360	0	0	360	360	0	120
		MORAMANGA	21.9	23.8	19.5	360	0	0	360	0	0	360	360	0	120
		NANOKELY	16.4	17.7	14.0	360	0	0	360	0	0	360	360	0	120
		SOAVINANDRIA	20.0	21.0	18.0	360	0	16	344	0	16	344	360	0	89
		TSINJOARIVO	18.6	20.1	16.1	360	0	0	360	0	0	360	360	0	120
	MALW	MZUZU	21.1	22.1	18.3	360	0	0	360	0	0	360	360	0	120
	RHOD	HOPE MAPOPO	17.9	19.2	15.4	360	0	0	360	0	0	360	360	0	120
		HOPE PATROL	17.6	19.0	15.1	360	0	0	360	0	0	360	360	0	120
		VUMBA NAT PK	18.1	19.5	15.1	360	0	0	360	0	0	360	360	0	120
	RWAN	RUBONA	21.9	21.6	22.0	360	0	10	350	0	10	350	360	0	120
	SAFR	BASHEE	21.6	23.2	20.0	360	0	0	360	0	0	360	360	0	120
		CEDARA	18.8	20.8	16.2	360	0	0	360	0	0	360	360	0	120
		EAST LONDON	20.4	22.3	18.6	360	0	0	360	0	0	360	360	0	120
		EMERALD-DALE	18.5	20.5	15.6	360	0	0	360	0	0	360	360	0	120
		GEORGE SOUTH	17.9	20.0	16.2	360	0	0	360	0	0	360	360	0	120
		MBABANE	19.4	21.1	16.7	360	0	0	360	0	0	360	360	0	120
		MISTLEY	18.6	20.4	16.0	360	0	0	360	0	0	360	360	0	120
		PIETERMARITZ	21.0	23.0	18.2	360	0	0	360	0	0	360	360	0	120
		STEGI	21.8	23.4	19.6	360	0	14	346	0	14	346	360	0	91
		TABLE-MOUNTA	15.4	17.5	13.3	360	0	0	360	0	0	360	360	0	120
		WOODBUSH	17.5	19.0	14.9	360	0	0	360	0	0	360	360	0	120
	TANZ	LUSHOTO	19.6	21.0	17.9	360	0	0	360	0	0	360	360	0	120
	UGAN	FORT-PORTAL	21.6	21.0	21.8	360	0	0	360	0	0	360	360	0	120
		KABALE	19.2	19.2	18.7	360	0	0	360	0	0	360	360	0	120
	ZAIR	BUTEMBO	19.9	19.7	19.7	360	0	0	360	0	0	360	360	0	120
		NIOKA	21.4	20.0	22.3	360	0	0	360	0	0	360	360	0	120
MESIC	SAFR	BARKLY-EAST	14.7	18.2	10.8	274	0	0	360	0	0	360	274	0	120
THERMIC	ETHI	FAGHENA	21.8	24.4	19.0	360	0	16	344	0	16	344	360	0	120
	LESO	BUTHA BUTHE	16.8	20.1	12.4	311	0	0	360	0	0	360	311	0	120
		LERIBE	17.1	20.3	12.6	315	0	0	360	0	0	360	315	0	120

TYPIC UDIC

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LIST OF STATIONS WITH
TYPIC UDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS WHEN SOIL TEMP > 8 MOIST	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
THERMIC	LESO	MAFETENG	17.1	20.5	13.0	323	0	0	360	0	0	360	323	0	120
		MASERU	17.2	21.0	12.5	309	0	0	360	0	0	360	309	0	120
		MOHALE HOEK	17.7	21.1	13.2	329	0	0	360	0	0	360	329	0	120
		QUTHING	17.0	20.3	12.8	320	0	0	360	0	0	360	320	0	120
		TEYATEYANENG	17.5	20.6	13.4	360	0	0	360	0	0	360	360	0	120
	SAFR	BELFAST	15.1	17.4	11.5	298	0	0	360	0	0	360	298	0	120
		BETHAL	17.5	20.0	13.5	360	0	0	360	0	0	360	360	0	120
		CAROLINA	17.1	19.4	13.3	360	0	0	360	0	0	360	360	0	120
		DUNDEE	19.5	21.9	16.0	360	0	0	360	0	0	360	360	0	120
		ERMELO	17.2	19.4	13.4	360	0	0	360	0	0	360	360	0	120
		ESTCOURT	19.3	21.8	15.6	360	0	4	356	0	4	356	360	0	120
		GERMISTON	18.6	20.9	15.1	360	0	17	343	0	17	343	360	0	96
		JAN SMUTS SO	18.0	19.9	14.8	360	0	0	360	0	0	360	360	0	120
		JOHANNESBURG	18.8	21.0	15.2	360	0	7	353	0	7	353	360	0	98
		KOKSTAD	17.5	20.0	14.1	360	0	0	360	0	0	360	360	0	120
		MATATIELE	18.6	20.9	15.8	360	0	6	354	0	6	354	360	0	120
		MIDDELBURG	18.0	20.9	13.6	360	0	0	360	0	0	360	360	0	120
		MOHALESHOEK	17.6	20.9	13.6	360	0	0	360	0	0	360	360	0	120
		MOUNT-FLETCH	17.7	20.2	14.0	360	0	0	360	0	0	360	360	0	120
		NEWCASTLE	19.8	22.4	16.0	360	0	0	360	0	0	360	360	0	120
		NOTTINGHAM-R	16.2	18.7	12.5	320	0	0	360	0	0	360	320	0	120
		PAULPIETERSB	19.8	21.9	16.8	360	0	0	360	0	0	360	360	0	120
		PIET-RETIEF	19.1	21.2	16.1	360	0	0	360	0	0	360	360	0	120
		PILGRIMS-RES	19.1	21.2	15.8	360	0	0	360	0	0	360	360	0	120
		PRETORIA	19.7	22.3	15.9	360	0	19	341	0	19	341	360	0	91
		WAKKERSTROOM	16.0	18.6	12.2	313	0	0	360	0	0	360	313	0	120

TYPIC UDIC

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TYPIC XERIC

LIST OF STATIONS WITH
TYPIC XERIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
MESIC	ALGE	BOU-THALEB	14.7	21.3	9.1	223	104	68	188	104	53	108	109	89	120
		LAC-DE-MOUZA	14.2	20.6	9.6	209	61	56	243	61	56	153	107	61	120
	MORO	IFRANE	13.3	19.2	8.2	218	47	49	264	47	49	165	135	47	120
		LLANO-AMARIL	13.7	18.5	9.4	235	53	62	245	53	62	174	134	53	120
THERMIC	ALGE	AGHRID	17.7	22.8	13.1	328	69	54	237	69	54	237	172	69	120
		ALGER-UNIVER	20.8	24.7	17.1	360	81	53	226	81	53	226	279	81	120
		ALGER/DAR-EL	19.8	24.1	15.6	360	81	53	226	81	53	226	279	81	120
		AUMALE	17.1	23.3	11.8	276	105	53	202	105	53	202	138	90	120
		BEN-CHICAO	16.3	23.2	11.1	252	78	60	222	78	60	194	124	78	120
		BLIDA	20.8	25.7	16.4	360	75	50	235	75	50	235	265	75	120
		BONE-PORT	20.5	24.6	16.6	360	81	53	226	81	53	226	279	81	120
		BOUGHIE	21.1	25.0	17.1	360	67	62	231	67	62	231	283	47	120
		BOUZAREA	19.0	23.2	15.1	360	74	55	231	74	55	231	286	74	120
		BUGAUD	16.2	20.9	11.4	277	65	59	236	65	59	236	147	65	120
		CAP-AFIAH	20.6	24.9	16.4	360	84	52	224	84	52	224	276	84	120
		CAP-BENGUT	19.8	23.7	16.0	360	68	66	226	68	66	226	281	49	120
		CAP-BOUGARONI	20.5	25.1	16.2	360	84	52	224	84	52	224	276	84	120
		CAP-CARBON	20.6	24.6	16.7	360	70	63	227	70	63	227	281	49	120
		CAP-DE-GARDE	21.0	25.1	17.0	360	83	72	205	83	72	205	277	83	120
		CAP-MATIFOU	20.0	23.9	16.2	360	83	86	191	83	86	191	277	83	120
		CAP-SIGLI	20.9	24.8	17.1	360	83	52	225	83	52	225	277	83	120
		CASTIGLIONE	20.0	23.5	16.8	360	76	55	229	76	55	229	284	76	120
		COLIGNY	15.5	21.8	10.1	240	100	56	204	100	56	135	123	85	120
		COLLO	20.5	24.8	16.4	360	68	66	226	68	66	226	278	52	120
		EL-MILIA	20.8	25.8	16.3	360	78	51	231	78	51	231	282	78	120
		FORT-NATIONA	17.3	23.3	12.2	282	71	53	236	71	53	236	145	71	120
		GUELMA	19.7	24.9	15.0	360	77	82	201	77	82	201	283	77	120
		HAFIR	16.0	21.9	11.4	261	65	66	229	65	66	229	137	65	120
		HERBILLION	21.4	25.1	17.8	360	81	53	226	81	53	226	279	81	120
		IGHIL-IMOULA	19.5	25.2	14.3	360	76	52	232	76	52	232	284	76	120
		JEMMAPES	20.4	25.1	15.9	360	81	82	197	81	82	197	279	81	120
		LA-CALLE	21.1	25.1	17.2	360	80	54	226	80	54	226	280	80	120
		MAISON-CARRE	20.0	24.1	16.3	360	79	54	227	79	54	227	281	79	120
		MEDEA	17.0	22.8	11.9	278	71	53	236	71	53	236	143	71	120
		MENERVILLE	20.2	25.0	15.8	360	80	51	229	80	51	229	280	80	120
		MICHELET	17.0	23.1	12.1	278	67	53	240	67	53	240	145	67	120
		MILIANA	18.1	24.0	13.4	329	75	52	233	75	52	233	168	75	120
		MORRIS	20.4	24.9	16.2	360	77	71	212	77	71	212	283	77	120
		PHILIPPEVILL	19.6	23.6	15.7	360	75	56	229	75	56	229	285	75	120
		ROUIBA	19.8	23.9	15.7	360	80	54	226	80	54	226	280	80	120
		SOUK-AHRAS	17.1	22.6	12.2	285	100	55	205	100	55	205	146	85	120
		STAOUELI	19.5	24.1	15.7	360	80	54	226	80	54	226	280	80	120
		TENES	21.0	25.2	17.3	360	87	84	189	87	84	189	273	87	120
		TENIET-EL-HA	16.1	22.3	10.9	256	70	85	205	70	85	180	132	70	120
		TIZI-OUZOU	20.4	25.8	15.6	360	84	50	226	84	50	226	276	84	120

LIST OF STATIONS WITH
TYPIC XERIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
THERMIC	ALGE	TLEMCEN	18.9	24.1	14.5	360	72	83	205	72	83	205	288	72	120
		TROIS-MARABO	20.2	24.5	16.3	360	79	83	198	79	83	198	281	79	120
	MORO	ALCAZARQUIVI	21.0	25.0	16.4	360	90	84	186	90	84	186	270	90	120
		AZROU	17.5	23.3	13.0	311	69	54	237	69	54	237	152	69	120
		BAB-BERRET	15.6	21.5	10.8	246	79	55	226	79	55	226	126	79	120
		BAB-TAZZA	17.9	22.8	13.3	337	69	54	237	69	54	237	169	69	120
		CHAUEN	19.1	24.1	15.1	360	80	52	228	80	52	228	280	80	120
		DAR-CHAUI	20.2	24.1	16.4	360	84	85	191	84	85	191	276	84	120
		MEKNES	19.2	24.0	15.1	360	78	84	198	78	84	198	282	78	120
		MEKNES MOROC	19.6	24.4	15.3	360	83	82	195	83	82	195	277	83	120
		MELUSA	20.3	24.3	16.3	360	85	65	210	85	65	210	275	85	120
		MEXERAH	20.9	26.0	15.9	360	90	51	219	90	51	219	270	90	120
		PORT-LYAUTEY	20.1	23.9	16.2	360	82	56	222	82	56	222	278	82	120
		RABAT	19.8	22.8	16.8	360	76	88	196	76	88	196	284	76	120
		SIDI-ALI	20.1	24.9	15.4	360	85	75	200	85	75	200	275	85	120
		SOUK-EL-ARBA	20.3	24.8	16.0	360	84	63	213	84	63	213	276	84	120
		TAATOF	21.3	24.7	17.6	360	85	83	192	85	83	192	275	85	120
		TAZA	20.1	26.2	15.1	360	87	67	206	87	67	206	273	87	120
		TIFLET	20.6	25.2	16.5	360	86	82	192	86	82	192	274	86	120
		TZELATA-BENI	19.9	24.6	15.6	360	84	61	215	84	61	215	276	84	120
		TZENIN-SIDI	20.1	23.9	16.2	360	84	79	197	84	79	197	276	84	120
		ZOCO-SEBT	21.1	25.2	16.6	360	86	75	199	86	75	199	274	86	120
	SAFR	CAPETOWN	19.9	22.4	17.3	360	105	66	189	105	66	189	255	90	120
		D. F. MALAN	18.4	21.1	16.0	360	79	96	185	79	96	185	261	79	120
		GROOT-DRAKEN	19.9	23.1	16.5	360	69	65	226	69	65	226	291	69	120
	TUNI	BIZERTE	20.6	24.9	16.5	360	87	85	188	87	85	188	273	87	120
		EL-FEIDJA	16.8	22.5	12.0	281	69	56	235	69	56	235	141	69	120
		TABARKA	20.5	24.8	16.3	360	70	64	226	70	64	226	279	51	120
		THIBAR	20.3	26.2	15.2	360	86	80	194	86	80	194	274	86	120

LIST OF STATIONS WITH
UDIC TROPUST.
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN CNE YEAR IS DRY	M/D	MOI	DAYS MCS WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	ANGO	DONDO	27.0	26.9	26.7	360	32	65	263	32	65	263	328	0	15
		GANGASSOL	24.2	24.4	23.2	360	52	105	203	52	105	203	308	0	8
		MALANGE	24.3	24.6	23.1	360	34	75	251	34	75	251	326	0	26
		MAVINGA	23.1	24.4	19.4	360	60	90	210	60	90	210	300	0	15
		MENONGUE	22.4	23.3	19.0	360	46	81	233	46	81	233	314	0	36
		NDALATANDO	25.7	25.7	26.2	360	61	59	240	61	59	240	299	0	15
		SAURIMO	25.0	25.1	24.1	360	41	91	228	41	91	228	305	0	3
	BURU	MPARAMBO	25.5	25.4	25.4	360	46	160	154	46	160	154	280	0	19
		MUSASA	22.9	22.6	22.2	360	16	111	233	16	111	233	319	0	38
	CAME	BAFIA 65.74	27.7	26.6	28.5	360	41	61	258	41	61	258	319	0	15
		BANA	23.3	21.8	24.4	360	15	106	239	15	106	239	326	0	14
		BANYO 65.74	25.2	24.1	25.8	360	35	67	258	35	67	258	325	0	15
		BATOURI65.74	26.6	25.9	26.6	360	4	102	254	4	102	254	356	0	20
		BATSCHENGA	27.2	26.0	27.7	360	15	78	267	15	78	267	345	0	15
		BERTARE65.74	26.0	24.9	26.7	360	32	91	237	32	91	237	308	0	12
		BETARE-OYA	26.0	24.7	26.5	360	35	91	234	35	91	234	310	0	9
		BOMBI	26.2	25.5	26.0	360	5	105	250	5	105	250	355	0	25
		BUSSUMBU	28.1	26.7	29.1	360	50	84	226	50	84	226	288	0	0
		EDEA 65.74	29.1	27.5	30.4	360	46	58	256	46	58	256	314	0	15
		EKONA-RES	26.1	24.8	26.7	360	12	79	269	12	79	269	348	0	15
		EVODOULA	26.8	25.6	27.7	360	20	72	268	20	72	268	340	0	15
		KOMPINA	28.6	27.4	29.5	360	48	89	223	48	89	223	312	0	0
		KRATER	28.3	26.9	29.3	360	26	74	260	26	74	260	325	0	15
		LIMBE	28.2	26.8	29.2	360	21	80	259	21	80	259	329	0	15
		LUS	24.8	23.2	25.5	360	22	99	239	22	99	239	338	0	14
		MABETA-BEACH	28.4	27.0	29.4	360	18	79	263	18	79	263	327	0	15
		MANKIM	26.9	25.7	27.4	360	21	70	269	21	70	269	339	0	15
		MANTOUM	26.8	24.9	28.6	360	41	58	261	41	58	261	319	0	15
		MAYO-DARLE	25.6	23.8	27.1	360	19	73	268	19	73	268	341	0	15
		MEANJA	27.9	26.6	28.5	360	50	84	226	50	84	226	290	0	0
		MEIGANG65.74	25.4	24.5	25.9	360	48	85	227	48	85	227	295	0	2
		MISSELLELE	28.3	26.9	29.3	360	48	58	254	48	58	254	312	0	15
		MOLIWE-PALMS	27.6	26.4	28.5	360	24	77	259	24	77	259	324	0	15
		MPUNDU	28.1	26.8	28.7	360	60	77	223	60	77	223	283	0	0
		MUSSAKA	28.1	26.8	28.7	360	47	60	253	47	60	253	313	0	15
		NACHTIGAL	27.9	26.6	28.8	360	34	63	263	34	63	263	326	0	15
		NGAMBE 65.74	26.4	24.5	27.9	360	20	74	266	20	74	266	340	0	15
		NGAOUND65.74	24.5	24.0	23.9	360	61	74	225	61	74	225	299	0	0
		NTUI	27.4	26.2	28.3	360	37	64	259	37	64	259	323	0	15
		OBALA	27.5	26.2	28.4	360	11	82	267	11	82	267	349	0	15
		POWO	26.9	25.6	27.5	360	32	96	232	32	96	232	299	0	7
		SAA	27.3	26.0	28.2	360	33	64	263	33	64	263	327	0	15
		TIBATI 65.74	26.3	25.5	26.3	360	60	79	221	60	79	221	286	0	0
		TIGNERE	24.4	23.6	24.1	360	55	74	231	55	74	231	305	0	6
		TIKO 65.74	28.6	27.2	29.5	360	46	66	248	46	66	248	306	0	15

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UDIC TROPUSTIC

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LIST OF STATIONS WITH
UDIC TROPUST.
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	CAME	VICTORIA	28.3	26.9	29.3	360	14	83	263	14	83	263	346	0	15
		WAKWA	24.7	23.9	24.4	360	62	40	258	62	40	258	298	0	15
		YOKO 65.74	25.2	23.4	26.9	360	37	89	234	37	89	234	298	0	9
	CENT	BABOUA	25.1	23.8	25.6	360	15	108	237	15	108	237	316	0	12
		BANGASSOU	28.3	27.6	28.6	360	31	92	237	31	92	237	329	0	12
		BANGUI	28.5	27.4	29.0	360	36	91	233	36	91	233	324	0	8
		BERBERATI	27.1	26.3	27.3	360	14	108	238	14	108	238	323	0	13
		BOUAR	26.6	24.8	28.4	360	67	75	218	67	75	218	277	0	0
		BRIA	27.6	27.0	27.4	360	43	86	231	43	86	231	255	0	6
		NDIM	25.8	24.9	26.2	360	76	65	219	76	65	219	284	0	0
		OBO.CENT.AFR	27.7	26.5	28.4	360	50	90	220	50	90	220	310	0	0
		SARKI	24.9	24.0	25.3	360	70	68	222	70	68	222	290	0	0
	CONG	DOLISIE CONG	26.8	27.3	24.9	360	44	73	243	44	73	243	288	0	16
		POINTE-NOIRE	27.3	28.0	25.1	360	57	67	236	57	67	236	265	0	11
	ETHI	MENDI	22.7	21.0	23.3	360	32	73	255	32	73	255	328	0	30
	GABO	LAMBARENE	28.8	29.1	27.9	360	35	62	263	35	62	263	325	0	15
		MAYUMBA	27.5	28.0	25.7	360	50	46	264	50	46	264	310	0	15
		MEKAMBO	26.3	24.7	26.8	360	52	41	267	52	41	267	308	52	120
		PORT*GENTIL	28.6	29.0	27.2	360	55	37	268	55	37	268	305	0	15
		TCHIBANGA	28.3	28.7	26.6	360	76	38	246	76	38	246	284	0	15
	GHAN	ASYANSI	28.0	26.4	28.9	360	10	100	250	10	100	250	329	0	25
		BIBIANI	28.4	27.0	29.1	360	25	73	262	25	73	262	325	0	15
		EJURA	29.1	27.7	29.6	360	41	94	225	41	94	225	283	0	0
		HO.GHANA	29.2	27.1	30.6	360	30	76	254	30	76	254	318	0	15
		KINTAMPO	28.4	26.2	29.7	360	65	75	220	65	75	220	277	0	0
		KONONGO	28.3	27.3	28.4	360	4	87	269	4	87	269	356	0	15
		KPEVE	29.2	27.8	29.9	360	32	103	225	32	103	225	318	0	0
		KUMASI GHANA	28.0	26.7	28.5	360	10	85	265	10	85	265	350	0	15
		TAKORADI GHA	27.6	26.9	28.2	360	51	85	224	51	85	224	294	0	4
	GUIN	LABE	24.8	24.4	23.7	360	66	72	222	66	72	222	294	0	27
		MAMDOU	26.0	24.5	26.2	360	50	67	243	50	67	243	310	0	18
	IVOR	ABIDJAN-VILL	29.4	27.7	30.5	360	53	91	216	53	91	216	278	0	0
		BONDOUKOU	28.2	26.4	29.1	360	67	75	218	67	75	218	279	0	0
		DIMBOKRO	30.0	28.6	30.7	360	62	38	260	62	38	260	290	0	45
		MAN-AERO	27.5	26.7	27.3	360	35	66	259	35	66	259	325	0	15
		TABOU	28.5	27.5	29.1	360	9	83	268	9	83	268	351	0	43
	LIBE	BELLAYELLA	30.3	28.8	31.7	360	38	68	254	38	68	254	310	0	15
		TAPPITA	28.4	27.5	28.4	360	20	114	226	20	114	226	326	0	0
	MALA	AMBANJA	28.2	28.8	26.8	360	58	73	229	58	73	229	290	0	4
		AMBOHITSILAO	23.1	24.7	20.8	360	47	107	206	47	107	206	313	0	11
		ANKAZOBE	22.2	23.3	19.8	360	34	69	257	34	69	257	326	0	32
		BEALANANA	22.4	23.4	20.4	360	35	103	222	35	103	222	325	0	27
		BETROKA	24.3	26.1	21.4	360	65	107	188	65	107	188	295	0	0
		HELL-VILLE	28.5	29.1	27.1	360	23	103	234	23	103	234	327	0	9
		IHOSY	24.3	25.8	21.5	360	77	111	172	77	111	172	283	0	0

LIST OF STATIONS WITH
UDIC TROPUST.
MOISTURE REGIME

UDIC TROPUSTIC

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	DAYS MCS WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	MALA	MANGINDRANO	22.5	23.7	20.3	360	0	93	267	0	93	267	360	0	72
		TSIROANOMAND	24.9	25.7	22.7	360	47	69	244	47	69	244	299	0	19
	MALW	CHIRIMBA	23.7	24.5	21.1	360	56	86	218	56	86	218	304	0	23
		CHITEDZE-RES	22.6	23.6	19.8	360	61	93	206	61	93	206	299	0	11
		KOTA-KOTA	26.3	26.8	23.9	360	80	54	226	80	54	226	270	0	31
		LILONGWE	22.4	23.6	19.3	360	59	115	186	59	115	186	280	0	21
		MZIMBA	22.2	22.7	19.7	360	69	80	211	69	80	211	271	0	16
		NCHENACHEMA	22.3	23.1	20.0	360	36	61	263	36	61	263	312	0	68
		NCHEU	22.2	22.7	19.8	360	53	86	221	53	86	221	307	0	26
		ZOMBWE	22.4	23.4	19.6	360	81	91	188	81	91	188	279	0	23
	MOZA	ALTO-MOLOCUE	25.4	26.7	22.6	360	26	72	262	26	72	262	334	0	67
		ANGOCHE	28.2	29.4	25.9	360	74	92	194	74	92	194	276	0	29
		CAZULA	27.5	27.8	25.1	360	75	82	203	75	82	203	285	0	8
		CHIMOIO	24.2	25.6	21.4	360	23	85	252	23	85	252	337	0	57
		CHINDE	28.0	29.4	25.7	360	63	31	266	63	31	266	297	0	71
		CHIUTA	26.0	26.2	24.2	360	84	82	194	84	82	194	276	0	0
		FINGOE	24.4	25.2	21.5	360	66	94	200	66	94	200	294	0	5
		FURANCUNGO	22.4	22.9	19.9	360	47	82	231	47	82	231	313	0	36
		MANIAMBA	23.3	23.7	21.2	360	42	74	244	42	74	244	318	0	49
		MOCUBA	27.4	28.6	24.4	360	56	72	232	56	72	232	285	0	37
		MOGINCUAL	28.2	29.4	26.2	360	66	105	189	66	105	189	272	0	24
		MUEMBE	23.9	24.3	21.5	360	48	84	228	48	84	228	312	0	33
		NACOONGO	26.1	27.7	23.7	360	19	72	269	19	72	269	294	3	104
		NOVA-SOFALA	27.0	28.6	24.6	360	82	110	168	82	110	168	278	0	0
		QUISSICO	25.8	27.4	23.7	360	49	84	227	49	84	227	287	0	62
		SOFALA	27.0	28.6	24.5	360	14	77	269	14	77	269	346	0	74
		ULONGWE	22.3	23.2	19.7	360	49	84	227	49	84	227	311	0	32
		VILA-GAMITO	25.1	25.4	22.3	360	81	91	188	81	91	188	279	0	0
		VILA-PAIRADE	25.9	27.3	22.7	360	21	72	267	21	72	267	339	0	72
		VILA-VASCO-D	22.7	23.1	19.8	360	28	70	262	28	70	262	332	0	67
	NGRA	BENIN-CITY	28.7	27.1	29.6	360	58	51	251	58	51	251	281	0	15
		JOS NIGERIA	24.4	23.2	23.7	360	74	77	209	74	77	209	286	0	0
		ONDO	28.3	26.5	29.4	360	54	57	249	54	57	249	278	0	15
		PORT-HARCOUR	29.2	28.1	30.0	360	24	75	261	24	75	261	324	0	15
		WARRI	29.1	28.0	29.6	360	25	76	259	25	76	259	324	0	15
	RHOD	BANKET RES S	22.5	23.3	19.7	360	57	87	216	57	87	216	303	0	21
		BINDURA	22.3	23.7	18.8	360	47	90	223	47	90	223	313	0	28
		GATOOMA	23.2	24.1	20.0	360	68	96	196	68	96	196	292	0	0
		GATOOMA CRI	23.5	24.5	20.5	360	72	97	191	72	97	191	288	0	0
		GOKWE	22.9	23.6	19.9	360	66	91	203	66	91	203	294	0	8
		GRAND REEF	22.6	24.1	19.4	360	62	90	208	62	90	208	298	0	13
		HARTLEY	22.3	23.6	18.9	360	55	93	212	55	93	212	305	0	17
		KAROI	22.2	22.8	19.4	360	57	90	213	57	90	213	303	0	18
		MTOKO	22.1	23.3	19.2	360	57	98	205	57	98	205	303	0	10
		SINOIA	22.7	23.8	19.4	360	56	93	211	56	93	211	304	0	16

LIST OF STATIONS WITH
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TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	MEAN SOIL TEMPERATURE SUMMER	MEAN SOIL TEMPERATURE WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR IS CNE DRY	CUMULATIVE DAYS MCS IN YEAR IS M/D	CUMULATIVE DAYS MCS IN YEAR IS MOI	CUMULATIVE DAYS MCS WHEN SOIL TEMP >5 DRY	CUMULATIVE DAYS MCS WHEN SOIL TEMP >5 M/D	CUMULATIVE DAYS MCS WHEN SOIL TEMP >5 MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	RHOD	SIPOLILO	22.5	23.1	19.6	360	59	88	213	59	88	213	301	0	18
		TRELAWNEY RE	22.2	23.0	19.3	360	58	90	212	58	90	212	302	0	17
	SAFR	BARBERTON	22.7	24.4	20.2	360	53	131	176	53	131	176	286	0	11
	SLEO	BO/SIERRA.LE	28.8	27.6	29.0	360	43	75	242	43	75	242	305	0	17
		BONTHE SIERR	29.3	27.7	30.0	360	61	56	243	61	56	243	299	0	18
		KABALA	27.8	26.6	27.7	360	58	59	243	58	59	243	275	0	18
		KENEMA-FARM	28.4	27.3	28.6	360	15	94	251	15	94	251	320	0	26
		LUMLEY	28.1	27.8	27.8	360	73	49	238	73	49	238	276	0	13
		MUSAIA	27.9	27.3	26.7	360	60	49	251	60	49	251	287	0	26
		SEMBEHUN	28.6	27.5	28.6	360	56	62	242	56	62	242	304	0	17
	SUDA	KAGELU	26.8	25.5	27.6	360	65	73	222	65	73	222	287	0	0
		LI-YUBU	27.5	25.5	29.2	360	67	73	220	67	73	220	279	0	0
		LOKA	27.2	24.9	29.4	360	73	69	218	73	69	218	276	0	0
	TANZ	BIHARAMULO	22.6	22.7	22.3	360	0	100	260	0	100	260	360	0	35
		IFAKARA	27.2	28.1	25.2	360	76	80	204	76	80	204	277	0	39
		KILINDONI	28.7	29.6	27.6	360	36	65	259	36	65	259	324	0	64
		MAFIA	29.0	29.8	27.8	360	40	63	257	40	63	257	320	0	62
		MWANZA	25.3	25.2	24.7	360	21	115	224	21	115	224	311	0	29
		NGOMENI	27.7	28.8	26.4	360	31	64	265	31	64	265	329	31	120
		SONGEA TANZA	23.4	24.3	21.1	360	85	55	220	85	55	220	275	0	25
		TABORA TANZA	25.7	25.3	24.6	360	86	69	205	86	69	205	274	0	10
		TANGA	28.7	29.8	27.5	360	44	58	258	44	58	258	316	44	120
		VICTORIA-GAR	29.3	30.4	28.4	360	36	83	241	36	83	241	317	23	38
	TOGO	ATAKPAME TOG	28.4	26.5	29.9	360	57	89	214	57	89	214	274	0	0
		PALIME	28.5	27.2	29.0	360	24	78	258	24	78	258	324	0	15
	UGAN	KITGUM	27.0	25.4	28.3	360	52	76	232	52	76	232	292	0	7
		MOROTO	24.8	23.3	26.2	360	48	96	216	48	96	216	284	0	0
		MOYO	26.8	24.6	29.5	360	58	69	233	58	69	233	291	0	8
		SOROTI	26.6	24.8	28.3	360	42	55	263	42	55	263	298	0	15
	ZAIR	GANDAJIKA	26.6	26.6	26.2	360	40	70	250	40	70	250	320	0	15
		KABAMBARE	27.2	25.7	27.3	360	22	82	256	22	82	256	327	0	15
		KABINDA	27.0	26.5	27.6	360	44	65	251	44	65	251	316	0	15
		KALEMIE	25.6	25.6	24.4	360	34	69	257	34	69	257	326	0	32
		KONGOLO	27.2	25.7	27.3	360	69	78	213	69	78	213	278	0	0
		LUBUMBASHI	23.2	23.3	20.8	360	67	54	239	67	54	239	293	0	14
		MADIMBA	27.8	27.8	25.9	360	42	73	245	42	73	245	316	0	20
		MITWABA	22.3	22.2	21.4	360	20	88	252	20	88	252	340	0	27
		NDOLA	22.2	22.8	19.0	360	59	88	213	59	88	213	301	0	18
		TSHELA	26.1	26.7	23.5	360	49	50	261	49	50	261	311	0	36
	ZAMB	ABERCORN	22.2	21.9	20.8	360	61	78	221	61	78	221	299	0	26
		BALOVALE	24.6	24.8	21.9	360	86	91	183	86	91	183	274	0	0
		BROKEN HILL	22.5	22.7	19.6	360	70	95	195	70	95	195	290	0	0
		CHINSALI	23.3	23.4	21.0	360	78	90	192	78	90	192	282	0	0
		CHIPATA	24.0	24.0	21.6	360	72	83	205	72	83	205	288	0	10
		FORT-JAMESON	24.4	24.7	22.0	360	74	85	201	74	85	201	286	0	6

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TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN CNE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	ZAMB	FORT-RCSEBER	22.8	23.5	19.8	360	54	82	224	54	82	224	306	0	29
		ISOKA-ZAMBIA	23.2	23.5	21.3	360	69	83	208	69	83	208	291	0	13
		KABWE	23.9	24.1	20.8	360	73	96	191	73	96	191	287	0	0
		KASAMA ZAMBI	22.5	22.1	20.5	360	66	81	213	66	81	213	294	0	16
		KAWAMBWA	23.5	23.4	21.8	360	37	76	247	37	76	247	323	0	22
		LIVINGSTONE	24.3	24.7	20.9	360	75	97	188	75	97	188	285	0	0
		LUSAKA	23.0	23.4	20.3	360	76	96	188	76	96	188	284	0	0
		MANKOYA	23.3	24.3	19.9	360	68	96	196	68	96	196	292	0	0
		MONGU	25.0	25.2	22.3	360	86	89	185	86	89	185	274	0	0
		MPIKA	22.1	22.6	19.4	360	61	89	210	61	89	210	299	0	15
		MSORO	26.1	26.7	23.1	360	87	91	182	87	91	182	273	0	0
		MWINILUNGA	22.6	23.0	20.5	360	24	87	249	24	87	249	336	0	24
		NDOLA	22.2	22.3	19.7	360	61	82	217	61	82	217	299	0	22
		PETAUKE	25.1	25.3	22.4	360	89	90	181	89	90	181	271	0	0
		SOLWEZI	22.2	23.1	19.1	360	49	53	258	49	53	258	311	0	33
ISO THERMIC	ANGO	CEILUNGA	21.5	21.9	19.6	360	26	78	256	26	78	256	334	0	31
		CHIANGA	21.5	21.8	19.9	360	24	80	256	24	80	256	336	0	31
		HUAMBO	21.4	21.5	19.8	360	4	88	268	4	88	268	356	0	43
		KUITO	21.1	21.4	19.2	360	4	91	265	4	91	265	356	0	40
		LUBANGO	21.1	21.2	19.6	360	25	76	259	25	76	259	335	0	34
	BURU	KARUZI	21.1	20.8	21.3	360	0	95	265	0	95	265	360	0	40
		MUHINGA	21.0	20.8	21.3	360	0	95	265	0	95	265	360	0	40
	ETHI	DANGILLA	19.5	19.1	19.0	360	0	100	260	0	100	260	360	0	65
		GONDAR	21.7	20.3	21.6	360	50	88	222	50	88	222	310	0	27
		NEDJO	21.4	19.3	22.6	360	8	93	259	8	93	259	352	0	34
		NEGHELLE	21.6	20.1	22.6	360	56	88	216	56	88	216	304	0	15
	KENY	NAIVASHA	19.8	20.1	19.0	360	67	152	141	67	152	141	293	67	96
	MALW	LILONGWE MAL	22.0	22.9	19.1	360	52	92	216	52	92	216	308	0	21
		TIWI/NYASSAL	21.5	22.6	18.6	360	37	85	238	37	85	238	323	0	43
	RHOD	BUHERA	21.7	23.2	18.5	360	44	91	225	44	91	225	316	0	30
		CHIBERO	21.4	22.8	18.2	360	42	88	230	42	88	230	318	0	35
		ENKELDOORN	20.6	22.0	17.6	360	43	97	220	43	97	220	317	0	25
		GUTU	20.8	22.0	17.8	360	39	93	228	39	93	228	321	0	33
		GWEDI	20.6	22.0	17.6	360	40	91	229	40	91	229	320	0	34
		GWELO THORNH	20.2	21.7	16.8	360	50	87	223	50	87	223	310	0	28
		MAKOHOLI	21.5	23.2	18.3	360	75	85	200	75	85	200	285	0	5
		MARANDELLAS	19.6	20.8	16.7	360	3	107	250	3	107	250	357	0	55
		RUSAPE	20.0	21.6	16.8	360	1	107	252	1	107	252	359	0	57
		SALISBURY AI	21.2	22.4	18.3	360	44	91	225	44	91	225	316	0	30
		UMTALI FIRE	21.7	23.4	18.8	360	37	101	222	37	101	222	323	0	27
		UMVUKWES	20.5	21.7	17.7	360	44	89	227	44	89	227	316	0	32
		UMVUMA	21.0	22.3	17.7	360	47	92	221	47	92	221	313	0	26
		WEDZA	20.9	22.2	18.1	360	35	89	236	35	89	236	325	0	41
	SAFR	CAPE-ST-FRAN	19.5	21.3	18.0	360	39	130	191	39	130	191	321	39	105
	TANZ	ARUSHA	21.6	22.2	20.1	360	12	89	259	12	89	259	348	0	64

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LIST OF STATIONS WITH
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TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO THERMIC	TANZ	IRINGA	21.6	22.2	20.1	360	88	87	185	88	87	185	272	0	20
		MBEYA	20.1	20.6	18.1	360	35	84	241	35	84	241	325	0	46
		MBULU	20.4	20.9	18.6	360	5	100	255	5	100	255	355	0	60
		NJOMBE	18.9	19.7	16.9	360	43	65	252	43	65	252	317	0	57
		SAO-HILL	18.7	19.5	16.8	360	23	91	246	23	91	246	337	0	51
	ZAMB	KASEMPA	21.8	22.6	18.9	360	56	85	219	56	85	219	304	0	24
		MWENZO	21.4	21.5	19.6	360	52	82	226	52	82	226	308	0	31
		SERENJE	21.8	22.2	19.1	360	58	89	213	58	89	213	302	0	18

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LIST OF STATIONS WITH WEAK ARIDIC MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
HYPERTH.	BOTZ	GABORONES	22.2	25.3	17.5	360	233	127	0	233	127	0	49	10	0
		GHANZI	23.2	25.7	18.8	360	249	111	0	249	111	0	46	15	0
		MOLEPOLOLE	22.2	14.0	28.8	360	234	126	0	234	126	0	53	120	0
	EGYP	ALEXANDRIA E	23.5	26.7	19.8	360	288	72	0	288	72	0	72	120	0
		ROSETTA	23.8	26.8	20.1	360	280	80	0	280	80	0	80	120	0
	LIBY	AJDABIYAH	23.3	26.6	18.5	360	284	76	0	284	76	0	76	120	0
		BARDIYAH	22.2	25.3	18.2	360	289	71	0	289	71	0	71	120	0
		SABRATHA	22.2	26.1	17.5	360	277	83	0	277	83	0	83	120	0
		SURT	22.8	25.9	18.3	360	285	75	0	285	75	0	75	120	0
		TUBRUQ	22.2	25.3	18.1	360	285	75	0	285	75	0	75	120	0
		TUMMINA	22.6	26.4	18.0	360	282	78	0	282	78	0	78	120	0
	MORO	MARRAKECH MO	22.4	27.4	17.4	360	272	88	0	272	88	0	88	120	0
	RHOD	TRIANGLE MIL	24.8	26.9	20.9	360	238	122	0	238	122	0	83	22	0
		WEST NICOLSO	23.0	25.0	19.2	360	249	111	0	249	111	0	73	32	0
	SAFR	CLANWILLIAM	22.2	25.9	18.0	360	285	75	0	285	75	0	75	120	0
	SUDA	ERKOWIT	24.6	28.1	20.5	360	284	76	0	284	76	0	67	66	0
ISO HYPERTH.	ANGO	PORTO AMBOIM	26.7	27.5	24.1	360	278	44	38	278	44	38	82	75	0
	CHAD	ABECHE	31.7	31.2	29.6	360	273	41	46	273	41	46	87	18	0
		ATI	31.3	31.3	28.4	360	277	38	45	277	38	45	83	22	0
		BOL	30.9	29.7	29.2	360	299	21	40	299	21	40	49	26	0
	ETHI	TESSENEI	30.9	30.4	28.9	360	279	39	42	279	39	42	81	24	0
	MALA	AMBOVOMBE	25.5	27.6	22.8	360	244	116	0	244	116	0	54	34	0
		AMPASIMPOLAK	26.7	28.9	24.0	360	265	95	0	265	95	0	51	37	0
	MOZA	BELLA-VISTA	25.3	27.1	22.8	360	236	124	0	236	124	0	81	24	0
		CHEMBA	29.2	30.4	26.0	360	239	76	45	239	76	45	82	23	0
		CHOBELA	26.0	27.9	23.4	360	226	134	0	226	134	0	78	15	0
		MABOTE	26.5	27.5	25.0	360	234	126	0	234	126	0	87	18	0
		MANJACAZE	26.5	28.2	24.0	360	254	106	0	254	106	0	53	22	0
		MOCUMBI	26.4	27.9	24.1	360	237	123	0	237	123	0	51	12	0
		PANDA	26.6	28.2	24.3	360	239	121	0	239	121	0	56	19	0
		TETE	29.3	30.4	26.3	360	275	85	0	275	85	0	59	32	0
		UMBELUZI	25.5	27.5	22.6	360	232	128	0	232	128	0	59	16	0
	NIGE	MAINE-SOROA	30.0	30.2	26.4	360	283	34	43	283	34	43	52	23	0
		TILLABERY NI	31.9	31.5	29.0	360	267	45	48	267	45	48	87	18	0
	RHOD	WANKIE	27.2	27.9	23.5	360	248	112	0	248	112	0	77	28	0
	SAFR	PUNDA-MARIA	25.4	27.2	22.6	360	231	129	0	231	129	0	58	15	0
	SENE	LINGUERE	30.4	31.1	27.8	360	263	29	68	263	29	68	82	15	0
		MATAM	31.0	31.7	27.5	360	262	43	55	262	43	55	67	15	0
		SAINT-LOUIS	26.8	28.4	25.4	360	287	20	53	287	20	53	66	23	0
	SOMA	ALESSANDRA	30.0	27.9	31.5	360	262	98	0	262	98	0	54	79	0
		GELIB	28.2	26.5	29.1	360	200	160	0	200	160	0	53	69	0
		GIUMBO	28.5	28.5	28.4	360	286	74	0	286	74	0	59	120	0
		ISCIA-BAIDOA	28.7	26.5	30.3	360	242	118	0	242	118	0	66	105	0
		UANLE-UEN	30.5	26.4	30.8	360	278	39	43	278	39	43	54	105	15
	SUDA	EL OBEID SUD	28.5	28.8	25.0	360	277	36	47	277	36	47	83	22	0

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WEAK ARIDIC

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LIST OF STATIONS WITH
WEAK ARIDIC
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
ISO HYPERTH.	SUDA	EN-NAHUD SUD	28.5	28.8	25.4	360	280	80	0	280	80	0	80	25	0
		RENK	30.2	29.8	28.3	360	266	94	0	266	94	0	82	23	0
		SENNAR	31.0	30.8	28.7	360	274	47	39	274	47	39	79	26	0
	TANZ	SAME-TANZANI	26.0	27.0	24.3	360	234	126	0	234	126	0	69	45	0
ISO THERMIC	MORO	AGADIR MOROC	21.1	23.1	18.2	360	284	76	0	284	76	0	76	120	0
	SAFR	BIRD-ISLAND	21.0	22.3	19.7	360	302	58	0	302	58	0	58	120	0
		GREAT-FISH-P	20.5	22.1	18.8	360	257	103	0	257	103	0	59	75	0
	SOMA	SHIEKH	21.6	23.4	18.8	360	213	147	0	213	147	0	55	45	0
THERMIC	ALGE	EL-KANTARA	20.1	26.6	13.6	309	217	143	0	217	143	0	80	120	0
	BOTZ	KALAMARI	22.0	15.1	26.9	360	231	129	0	231	129	0	84	120	0
	EGYP	EDFINA	21.7	25.5	17.2	360	272	88	0	272	88	0	88	120	0
		MERSA-MATRUH	21.6	25.0	17.6	360	282	78	0	282	78	0	78	120	0
	LIBY	REGDALIN	21.2	24.7	16.4	360	281	79	0	281	79	0	79	120	0
	MORO	DAR-DRIUS	19.7	23.8	15.7	360	277	83	0	277	83	0	83	120	0
	SAFR	ARMOEDSVLAKT	20.3	23.9	15.5	360	252	108	0	252	108	0	59	15	0
		BLOEMHOF	20.5	24.1	15.5	360	239	121	0	239	121	0	55	15	0
		BOSHOF	20.1	24.1	15.2	360	240	120	0	240	120	0	81	18	0
		CHRISTIANA	20.1	24.0	15.0	360	252	108	0	252	108	0	54	16	0
		GROOTFONTEIN	17.2	21.0	12.9	321	292	68	0	292	68	0	52	45	0
		KIMBERLEY	20.8	24.7	16.2	360	275	85	0	275	85	0	51	20	0
		LOVEDALE	20.6	23.4	17.4	360	224	136	0	224	136	0	53	17	0
		MAFEKING	20.8	23.7	16.4	360	218	142	0	218	142	0	50	8	0
		PIETERSBURG	19.7	22.1	15.8	360	214	146	0	214	146	0	89	16	0
		WORCESTER	19.9	23.0	16.4	360	273	87	0	273	87	0	87	120	0
	SWAF	WINDHOEK	21.3	24.0	18.0	360	268	92	0	268	92	0	48	15	0
	TUNI	BEN-GARDANE	21.9	26.4	16.3	360	273	87	0	273	87	0	87	120	0
		KAIROUAN	21.7	27.1	16.5	360	281	79	0	281	79	0	79	120	0

LIST OF STATIONS WITH
WET TEMPUST.
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN ONE YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 6	DPY AFTER SUM SOLS	MOIST AFTER WINT SOL
THERMIC	ALGE	AIN-EL-KSAR	17.1	21.8	12.7	309	23	76	261	23	76	261	166	23	120
		AIN-OURCINEF	19.4	23.6	15.5	360	51	68	241	51	68	241	296	34	120
		DJIDJELLI	20.7	24.9	16.8	360	61	64	235	61	64	235	286	44	120
		ELMA-HACHECH	17.8	22.9	13.4	360	36	73	251	36	73	251	324	36	120
		OUED-MARSA	20.6	25.0	16.4	360	43	83	234	43	83	234	317	43	120
	RHOD	HENDERSON	20.8	22.5	17.4	360	31	87	242	31	87	242	329	0	47
	SAFR	JONKERSHOEK	18.9	21.7	16.3	360	35	77	248	35	77	248	325	35	120
		LADYSMITH	21.1	23.8	17.2	360	0	96	264	0	96	264	360	0	69
		LOUIS-TRICHA	21.3	23.2	18.1	360	15	120	225	15	120	225	345	0	60
	TUNI	AIN-DRAHAM	17.5	22.8	12.4	290	37	55	268	37	55	268	149	37	120

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WET TEMPUSTIC

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LIST OF STATIONS WITH
XERIC TEMPUST.
MOISTURE REGIME

TEMPERATURE REGIME	COUNTRY CODE	NAME OF STATION	MEAN SOIL TEMPERATURE ANNUAL	SUMMER	WINTER	DAYS SOIL TEMP > 8	CUMULATIVE DAYS MCS IN YEAR IS DRY	M/D	MOI	WHEN SOIL TEMP >5 DRY	M/D	MOI	MAX CONS DAYS THAT MCS IS MOIST WHEN SOIL TEMP > 8	DRY AFTER SUM SOLS	MOIST AFTER WINT SOL
HYPERTH.	LIBY	APOLLONIA	23.0	26.3	19.3	360	172	50	138	172	50	138	188	120	108
		BENGHAZI	22.5	25.6	18.5	360	211	70	79	211	70	79	149	120	77
		BENINA	22.2	26.1	17.5	360	208	51	101	208	51	101	152	120	96
		BU-ARGUB	22.8	27.3	17.5	360	210	70	80	210	70	80	150	120	75
		BU-GHEILAN	23.7	28.8	17.9	360	244	39	77	244	39	77	116	120	75
		FOND-BEN-GAS	22.8	27.3	17.6	360	201	46	113	201	46	113	159	120	105
		FUEHAT	23.0	26.1	18.7	360	212	41	107	212	41	107	148	120	105
		GARABULLI	22.8	26.7	18.1	360	188	49	123	188	49	123	172	120	105
		SIDI-EL-MESR	22.0	25.9	17.3	360	153	48	159	153	48	159	207	120	120
		TOCRA	22.5	25.5	18.8	360	208	67	85	208	67	85	152	120	81
		TOLMETA	22.4	25.5	18.9	360	183	53	124	183	53	124	177	120	105
		TRIPOLI	22.1	25.7	17.8	360	152	51	157	152	51	157	208	120	120
	MORO	KASBA-TADLA	22.3	28.2	17.3	360	137	79	144	137	79	144	223	120	105
		ZAGORA	25.6	32.7	19.3	360	116	47	197	116	47	197	244	105	120

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XERIC TEMPUSTIC

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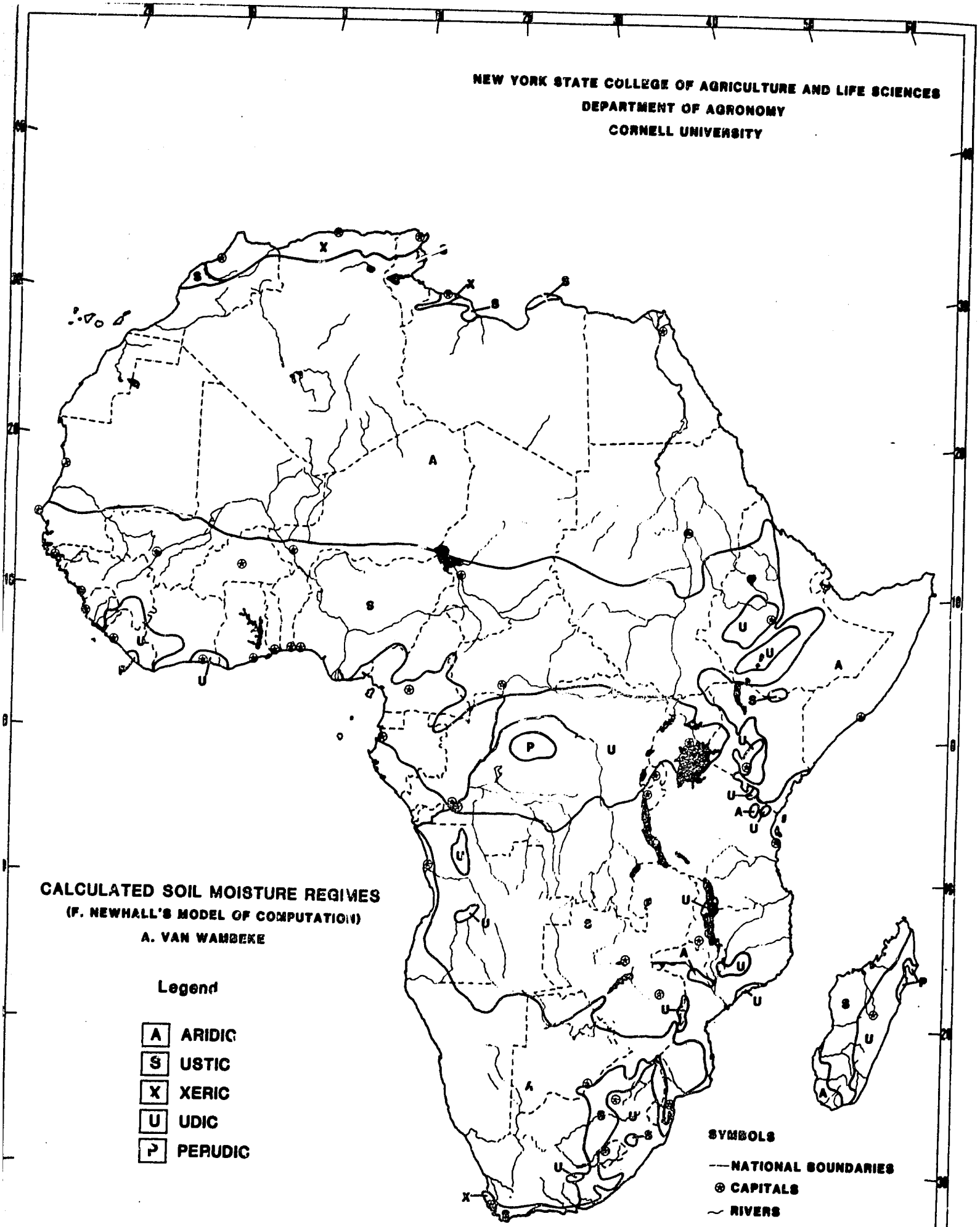
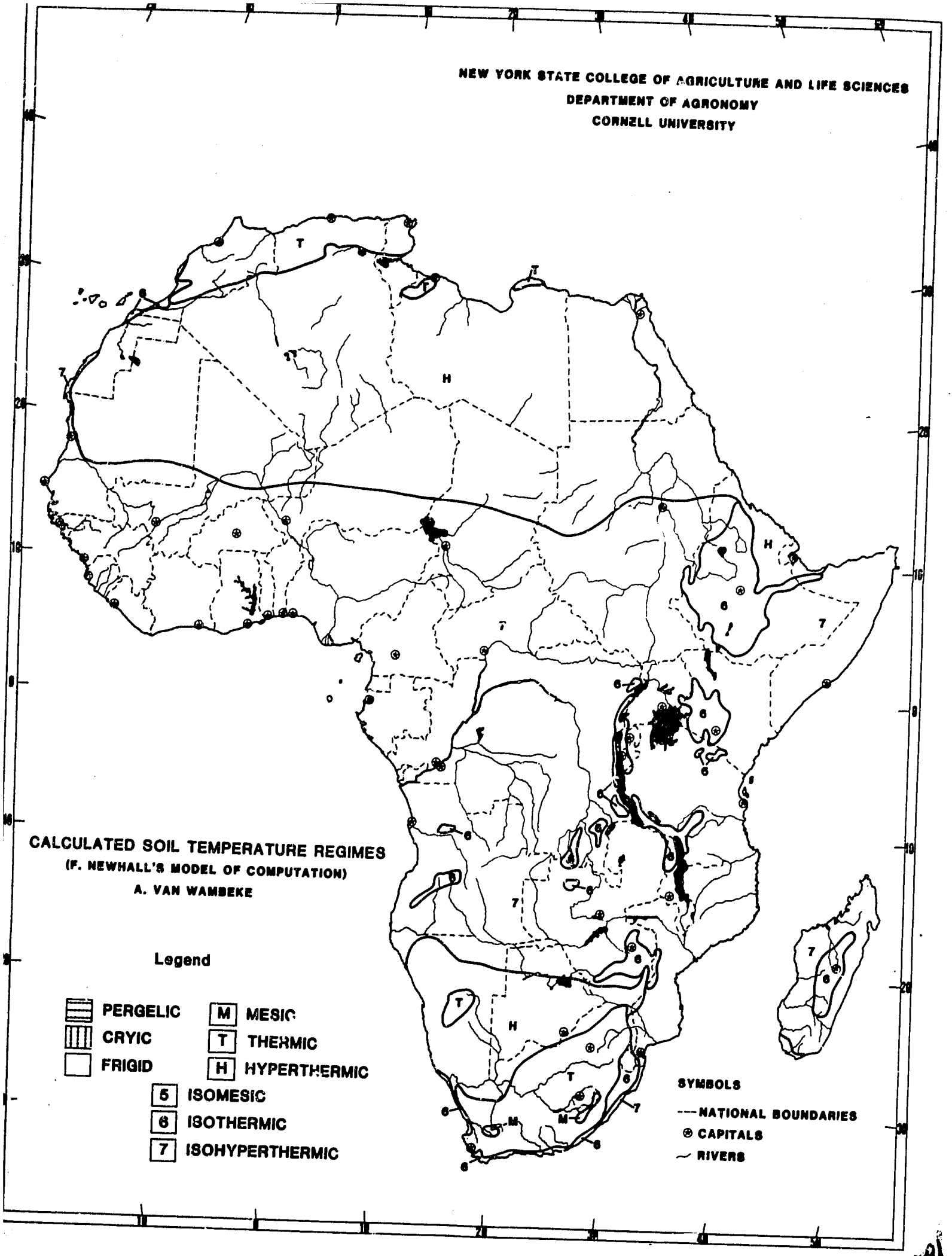


THE AQUIC MOISTURE REGIME IS NOT SHOWN ON THIS MAP


NEW YORK STATE COLLEGE OF AGRICULTURE AND LIFE SCIENCES
DEPARTMENT OF AGRONOMY
CORNELL UNIVERSITY
CALCULATED SOIL TEMPERATURE REGIMES
(F. NEWHALL'S MODEL OF COMPUTATION)
A. VAN WAMBEKE
Legend
PERGELIC
CRYIC
FRIGID
M MESIC
T THERMIC
H HYPERTHERMIC
5 ISOMESIC
6 ISOTHERMIC
7 ISOHYPERTHERMIC
SYMBOLS
NATIONAL BOUNDARIES
CAPITALS
RIVERS

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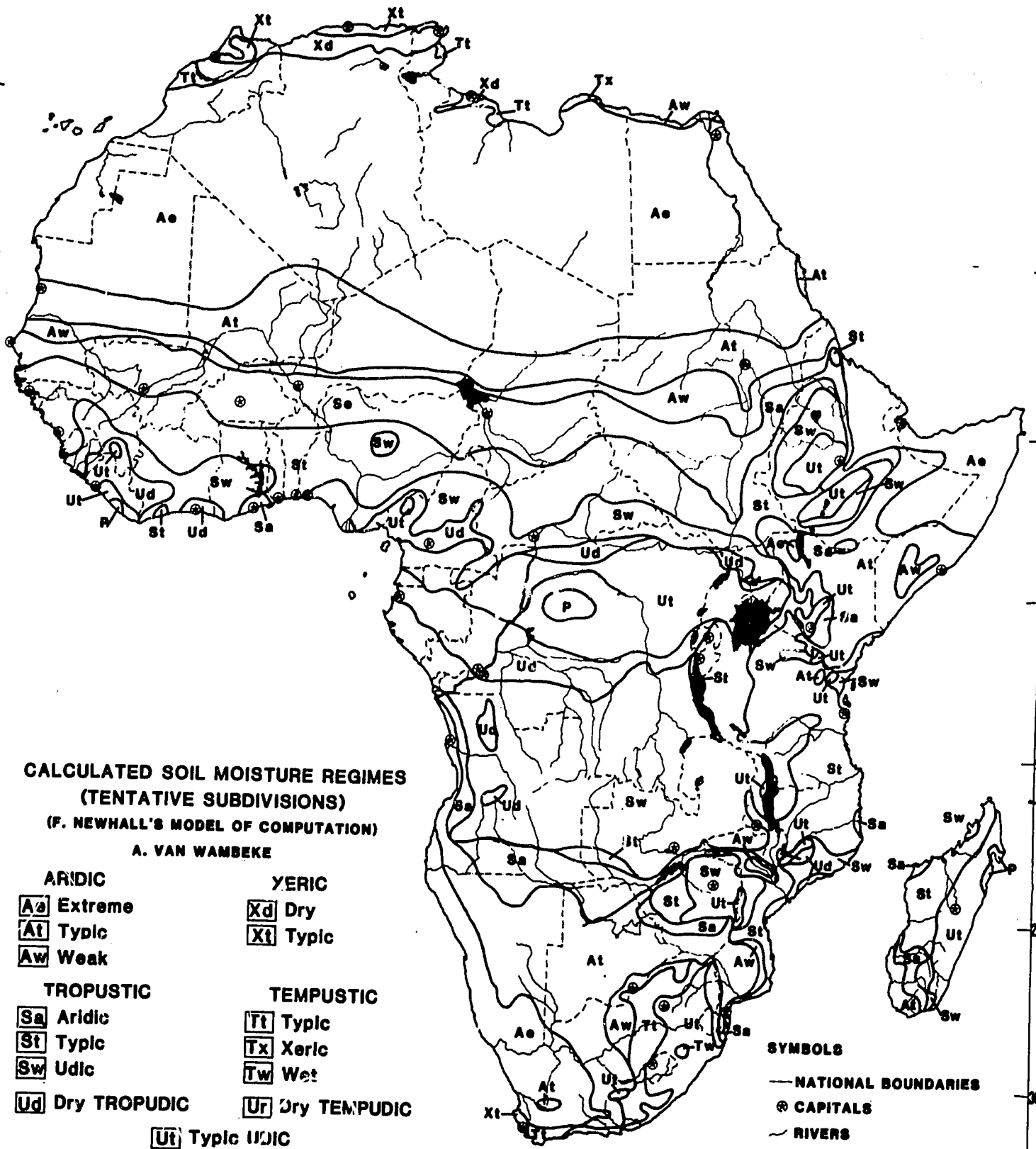

THE AQUIC MOISTURE REGIME IS NOT SHOWN ON THIS MAP