

Identification_Information:

Citation:

Citation_Information:

Originator: AFCCC - Air Force Combat Climatology Center
(AFCCC)

Publication_Date: 20070928

Title: AGRICULTURAL METEOROLOGY (AGRMET) Database

Geospatial_Data_Presentation_Form: Digital

Description:

Abstract: This dataset contains agrometeorological analysis in 58 (over land areas) of the possible 64-1/8 mesh grid boxes. The data analysis was produced once a day for the previous 24 hour period and incorporates surface observations, HIRAS (High Resolution Analysis) model data, SSM/I (Special Sensor Microwave Imager) data, RTNEPH (Real Time Nephanalysis) cloud data, and the Snow Model.

Purpose: Support DoD projects.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 20010101

Ending_Date: Present

Currentness_Reference: From the data

Status:

Progress: In work

Maintenance_and_Update_Frequency: Monthly

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -180.0

East_Bounding_Coordinate: 180.0

North_Bounding_Coordinate: 90.0

South_Bounding_Coordinate: -90.0

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: agricultural

Theme_Keyword: meteorology

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: Global

Stratum:

Stratum_Keyword_Thesaurus: None

Stratum_Keyword: Surface

Temporal:

Temporal_Keyword_Thesaurus: None

Temporal_Keyword: Daily

Access_Constraints: Access through AFCCC is limited to DoD agencies and their contractors. All other requests are filled through the National Climatic Data Center in Asheville, N.C.

Use_Constraints: None

Data_Set_Credit: This dataset is produced at the Air Force Weather Agency.

Security_Information:

Security_Classification_System: DoD

Security_Classification: Unclassified

Security_Handling_Description: None

Data_Quality_Information:

Logical_Consistency_Report: The files were archived as they were received from AFWA. No additional quality control was performed on this dataset.
Completeness_Report: The earliest AGRIMET data in the database is from January 2001.

Lineage:

Process_Step:

Process_description: AFCCC collected the data from AFWA once a day. The files were archived in ASCII format as climatological records at AFCCC.

Process_date: Unknown

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: AGRIMET Database

Entity_Type_Definition: Agricultural Meteorology Database

Entity_Type_Definition_Source: AFCCC

Attribute:

Attribute_Label: LATITUDE

Attribute_Definition: The latitude coordinate of a

GEOPHYSICAL-POINT-OBSERVATION

Attribute_Definition_Source: Joint METOC Conceptual Data Model

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: -90.00

Range_Domain_Maximum: +90.00

Attribute_Units_of_Measure: Degrees

Beginning_Date_of_Attribute_Values: 20010101

Attribute_Measurement_Frequency: Daily

Attribute:

Attribute_Label: LONGITUDE

Attribute_Definition: The longitude coordinate of a

GEOPHYSICAL-POINT-OBSERVATION

Attribute_Definition_Source: Joint METOC Conceptual Data Model

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: -180.00

Range_Domain_Maximum: +180.00

Attribute_Units_of_Measure: Degrees

Beginning_Date_of_Attribute_Values: 20010101

Attribute_Measurement_Frequency: Daily

Attribute:

Attribute_Label: GANLFBASEREFDT

Attribute_Definition: The calendar date of the geophysical data contained in a GEOPHYSICAL-ANALYSIS-FORECAST

Attribute_Definition_Source: Joint METOC Conceptual Data Model

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 2001010100

Range_Domain_Maximum: Present

Beginning_Date_of_Attribute_Values: 20010101

Attribute_Measurement_Frequency: Daily

Attribute:

Attribute_Label: SAFEVAPOTRANSPIRATIONRT

Attribute_Definition: The estimated rate of water loss from the soil due to evaporation and transpiration

Attribute_Definition_Source: Joint METOC Conceptual Data Model

Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 0000
 Range_Domain_Maximum: 9999
 Attribute_Units_of_Measure: Millimeters per hour
 Beginning_Date_of_Attribute_Values: 20010101
 Attribute_Measurement_Frequency: Daily

Attribute:
 Attribute_Label: SAFPOTEVAPOTRANSPIRATIONRT
 Attribute_Definition: The estimated rate of potential loss of water from the soil due to evaporation and transpiration
 Attribute_Definition_Source: Joint METOC Conceptual Data Model
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 0000
 Range_Domain_Maximum: 9999
 Attribute_Units_of_Measure: Millimeters per hour
 Beginning_Date_of_Attribute_Values: 20010101
 Attribute_Measurement_Frequency: Daily

Attribute:
 Attribute_Label: ATAFMEANTP
 Attribute_Definition: The estimated mean temperature of the air for the preceding 24 hours
 Attribute_Definition_Source: Joint METOC Conceptual Data Model
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 2000
 Range_Domain_Maximum: 3500
 Attribute_Units_of_Measure: Degrees Kelvin
 Beginning_Date_of_Attribute_Values: 20010101
 Attribute_Measurement_Frequency: Daily

Attribute:
 Attribute_Label: PAFESTPRECIPDM
 Attribute_Definition: The estimated rate of potential liquid water equivalent of precipitation that falls over a period
 Attribute_Definition_Source: Joint METOC Conceptual Data Model
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 0000
 Range_Domain_Maximum: 9999
 Attribute_Units_of_Measure: Millimeters
 Beginning_Date_of_Attribute_Values: 20010101
 Attribute_Measurement_Frequency: Daily

Attribute:
 Attribute_Label: SAFSOILMOIS1MS
 Attribute_Definition: The mass of water in a kilogram of soil (0-10cm below ground)
 Attribute_Definition_Source: Joint METOC Conceptual Data Model
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000
 Range_Domain_Maximum: 510
 Attribute_Units_of_Measure: Volumetric content
 Beginning_Date_of_Attribute_Values: 20010101
 Attribute_Measurement_Frequency: Daily

Attribute:
 Attribute_Label: SAFSOILMOIS2MS

Attribute_Definition: The mass of water in a kilogram of soil (10-40cm below ground)
Attribute_Definition_Source: Joint METOC Conceptual Data Model
Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000
 Range_Domain_Maximum: 510
 Attribute_Units_of_Measure: Volumetric content
Beginning_Date_of_Attribute_Values: 20010101
Attribute_Measurement_Frequency: Daily

Attribute:
 Attribute_Label: SAFSOILMOIS3MS
 Attribute_Definition: The mass of water in a kilogram of soil (40-100cm below ground)
 Attribute_Definition_Source: Joint METOC Conceptual Data Model
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000
 Range_Domain_Maximum: 510
 Attribute_Units_of_Measure: Volumetric content
Beginning_Date_of_Attribute_Values: 20010101
Attribute_Measurement_Frequency: Daily

Attribute:
 Attribute_Label: SAFSOILMOIS4MS
 Attribute_Definition: The mass of water in a kilogram of soil (100-200cm below ground)
 Attribute_Definition_Source: Joint METOC Conceptual Data Model
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000
 Range_Domain_Maximum: 510
 Attribute_Units_of_Measure: Volumetric content
Beginning_Date_of_Attribute_Values: 20010101
Attribute_Measurement_Frequency: Daily

Attribute:
 Attribute_Label: SAFSOIL1TP
 Attribute_Definition: The temperature of the soil at a specific depth (0-10cm below ground)
 Attribute_Definition_Source: Joint METOC Conceptual Data Model
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 2000
 Range_Domain_Maximum: 3500
 Attribute_Units_of_Measure: Degrees Kelvin
Beginning_Date_of_Attribute_Values: 20010101
Attribute_Measurement_Frequency: Daily

Attribute:
 Attribute_Label: SAFSOIL2TP
 Attribute_Definition: The temperature of the soil at a specific depth (10-40cm below ground)
 Attribute_Definition_Source: Joint METOC Conceptual Data Model
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 2000
 Range_Domain_Maximum: 3500
 Attribute_Units_of_Measure: Degrees Kelvin
Beginning_Date_of_Attribute_Values: 20010101

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    Attribute_Measurement_Frequency: Daily
Attribute:
    Attribute_Label: SAFSOIL3TP
    Attribute_Definition: The temperature of the soil at a
                           specific depth (40-100cm below ground)
    Attribute_Definition_Source: Joint METOC Conceptual Data Model
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 2000
            Range_Domain_Maximum: 3500
            Attribute_Units_of_Measure: Degrees Kelvin
    Beginning_Date_of_Attribute_Values: 20010101
    Attribute_Measurement_Frequency: Daily
Attribute:
    Attribute_Label: SAFSOIL4TP
    Attribute_Definition: The temperature of the soil at a
                           specific depth (100-200cm below ground)
    Attribute_Definition_Source: Joint METOC Conceptual Data Model
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 2000
            Range_Domain_Maximum: 3500
            Attribute_Units_of_Measure: Degrees Kelvin
    Beginning_Date_of_Attribute_Values: 20010101
    Attribute_Measurement_Frequency: Daily
Attribute:
    Attribute_Label: ATAFMAXTP
    Attribute_Definition: The estimated maximum temperature of the
                           air for the preceding 24 hours
    Attribute_Definition_Source: Joint METOC Conceptual Data Model
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 2000
            Range_Domain_Maximum: 3500
            Attribute_Units_of_Measure: Degrees Kelvin
    Beginning_Date_of_Attribute_Values: 20010101
    Attribute_Measurement_Frequency: Daily
Attribute:
    Attribute_Label: ATAFMINTP
    Attribute_Definition: The estimated minimum temperature of the
                           air for the preceding 24 hours
    Attribute_Definition_Source: Joint METOC Conceptual Data Model
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 2000
            Range_Domain_Maximum: 3500
            Attribute_Units_of_Measure: Degrees Kelvin
    Beginning_Date_of_Attribute_Values: 20010101
    Attribute_Measurement_Frequency: Daily
Attribute:
    Attribute_Label: PAFMRGPRECIPDM
    Attribute_Definition: The final analysis of 24-hour
                           accumulated global precipitation
    Attribute_Definition_Source: AFCCC
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 0000
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        Range_Domain_Maximum: 9999
        Attribute_Units_of_Measure: Millimeters
Beginning_Date_of_Attribute_Values: 20010101
        Attribute_Measurement_Frequency: Daily
Attribute:
        Attribute_Label: ATAFMINRELHUMIDRT
        Attribute_Definition: The shelter-height relative humidity (%) observed at the time of minimum temperature during the past 24 hours
        Attribute_Definition_Source: Joint METOC Conceptual Data Model
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 01
                Range_Domain_Maximum: 100
                Attribute_Units_of_Measure: Percent
Beginning_Date_of_Attribute_Values: 20010101
        Attribute_Measurement_Frequency: Daily
Attribute:
        Attribute_Label: PAFFPRECIPDM
        Attribute_Definition: The estimated depth of the precipitation (water equivalent) that accumulated
        Attribute_Definition_Source: Joint METOC Conceptual Data Model
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 0000
                Range_Domain_Maximum: 9999
                Attribute_Units_of_Measure: Millimeters
Beginning_Date_of_Attribute_Values: 20010101
        Attribute_Measurement_Frequency: Daily
Attribute:
        Attribute_Label: PAFRTNEPHPRECIPDM
        Attribute_Definition: 24-hour precipitation estimate based on CDFSII cloud cover, climatological cloud cover, and climatological precipitation
        Attribute_Definition_Source: AFCCC
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 0000
                Range_Domain_Maximum: 9999
                Attribute_Units_of_Measure: Millimeters
Beginning_Date_of_Attribute_Values: 20010101
        Attribute_Measurement_Frequency: Daily
Attribute:
        Attribute_Label: ESRADMEANLWRADRT
        Attribute_Definition: The average rate of longwave solar radiation received over the preceding 24 hours
        Attribute_Definition_Source: Joint METOC Conceptual Data Model
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 000
                Range_Domain_Maximum: 999
                Attribute_Units_of_Measure: Watts per Meter Squared
Beginning_Date_of_Attribute_Values: 20010101
        Attribute_Measurement_Frequency: Daily
Attribute:
        Attribute_Label: SDASNOWDEPDM
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Attribute_Definition: The estimated depth of the snow on the ground
Attribute_Definition_Source: Joint METOC Conceptual Data Model
Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 0000
 Range_Domain_Maximum: 1038
 Attribute_Units_of_Measure: Centimeters
Beginning_Date_of_Attribute_Values: 20010101
Attribute_Measurement_Frequency: Daily

Attribute:
 Attribute_Label: ERSADSOLARRADRT
 Attribute_Definition: The rate of solar radiation received over the preceding 24 hours
 Attribute_Definition_Source: Joint METOC Conceptual Data Model
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000
 Range_Domain_Maximum: 999
 Attribute_Units_of_Measure: Watts per Meter Squared
Beginning_Date_of_Attribute_Values: 20010101
Attribute_Measurement_Frequency: Daily

Attribute:
 Attribute_Label: WAFLINEARWINDDM
 Attribute_Definition: The linear dimension of the equivalent distance of air which moved over the observing point in the preceding 24 hour period
 Attribute_Definition_Source: Joint METOC Conceptual Data Model
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 0000
 Range_Domain_Maximum: 9999
 Attribute_Units_of_Measure: Kilometers
Beginning_Date_of_Attribute_Values: 20010101
Attribute_Measurement_Frequency: Daily

Overview_Description:
Entity_and_Attribute_Overview: Due to the volume of the data, customers are requested to specify the specific fields and/or regions they require.
Entity_and_Attribute_Detail_Citation: None

Distribution_Information:
Distributor:
 Contact_Information:
 Contact_Organization_Primary:
 Contact_Organization: AFCCC/DOO
 Contact_Address:
 Address_Type: Mailing and Physical
 Address: 151 Patton Avenue, Room 120
 City: Asheville
 State_or_Province: NC
 Postal_Code: 28801-5002
 Country: USA

Contact_Voice_Telephone: (828) 271-4291
Contact_Voice_Telephone: DSN 673-9004
Contact_Facsimile_Telephone: (828) 271-4334
Contact_Facsimile_Telephone: DSN 673-9024
Contact_Electronic_Mail_Address: doo_all@afccc.af.mil
Hours_of_Service: 0730-1630 Eastern Time M-F
Resource_Description: Agricultural Meteorology (AGRMET)
Distribution_Liability:
The data was obtained to support DOD requests for climatological precipitation values. As such, it is only valid for its intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose.
Custom_Order_Process: Order by station or region. Order through the above distribution contact or this web site:
https://www2.afccc.af.mil/forms_mil/html/restricted/sarform.html

Metadata_Reference_Information:

Metadata_Date: 20070928
Metadata_Review_Date: 20070928
Metadata_Future_Review_Date: 20080928
Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: AFCCC/DOD

Contact_Address:

Address_Type: Mailing and physical
Address: 151 Patton Avenue Room 120
City: Asheville
State_or_Province: NC
Postal_Code: 28801-5002
Country: USA

Contact_Voice_Telephone: (828) 271-4299
Contact_Voice_Telephone: DSN 673-9006
Contact_Facsimile_Telephone: (828) 271-4334
Contact_Facsimile_Telephone: DSN 673-9024
Contact_Electronic_Mail_Address: dod@afccc.af.mil
Hours_of_Service: 0730-1630 EST M-F

Metadata_Standard_Name: FGDC-Content Standards for Digital Geospatial Metadata.

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: Universal Time

Metadata_Access_Constraints: None

Metadata_Use_Constraints: None

Metadata_Security_Information:

Metadata_Security_Classification_System: DoD
Metadata_Security_Classification: Unclassified
Metadata_Security_Handling_Description: None