

Identification_Information:

Citation:

Citation_Information:

Originator: 14WS - 14th Weather Squadron (AFWA)

Publication_Date: 20090727

Title: GPCP-Global Precipitation Climatology Project Data

Geospatial_Data_Presentation_Form: Digital

Description:

Abstract: The GPCP dataset is a 1 degree daily gridded precipitation dataset at 1 degree increments at the .5 degree points (such as 54.5, 55.5, 56.5). The GPCP dataset uses Threshold Matched Precip Index (TMPI) data where available (40N-40S) and Adjusted Television Infrared Operational Satellite Operational Vertical Sounder (TIROS) elsewhere. The GPCP data files are in unformatted binary format. The daily files are appended into monthly files with ASCII headers. Each monthly file is approximately 7.4 MB.

Purpose: Support DoD projects.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 10/01/1996

Ending_Date: Present

Currentness_Reference: From the data

Status:

Progress: In work

Maintenance_and_Update_Frequency: Irregularly, as released by NASA

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -179.5

East_Bounding_Coordinate: 179.5

North_Bounding_Coordinate: 89.5

South_Bounding_Coordinate: -89.5

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

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 14WS 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: 14WS obtained the GPCP dataset from the GPCP Merge Development Centre (GMDC), located at NASA Goddard Space Flight Center's Laboratory for Atmospheres.

Security_Information:

Security_Classification_System: DoD

Security_Classification: Unclassified

Security_Handling_Description: None

Data_Quality_Information:

Logical_Consistency_Report: The GPCP data has been acquired through NASA as is. No further quality checks are applied to the data. Unit conversions for data are not required as it is loaded in the same units that are received from NASA.

Completeness_Report: The earliest precipitation data are from Oct 1996. New data is added to the dataset as it becomes available. 14WS retrieves the new file from NASA when it becomes available, processes it as described above and loads it into Oracle tables. No reasonable data are excluded from the dataset during the load process. The Oracle tables are set up to include all the GPCP precipitation data that are obtained from NASA. Missing data is coded with "-99999". Specific details about the production of GPCP data are available from the NASA web site:

ftp://precip.gsfc.nasa.gov/pub/gpcp-v2.1/doc/

Lineage:

Process_Step:

Process_description: Specific details about the production of GPCP data are available from the NASA web site:

ftp://precip.gsfc.nasa.gov/pub/gpcp-v2.1/doc/

Process_date: Unknown

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: GPCP

Entity_Type_Definition: A domain that contains location and daily precipitation information for the Global Precipitation Climatology Project Data

Entity_Type_Definition_Source: 14WS

Attribute:

Attribute_Label: DATETIME

Attribute_Definition: The datetime of the precipitation data contained in a Global Precipitation Product

Attribute_Definition_Source: 14WS

Attribute_Domain_Values:

Unrepresentable_Domain: A general domain consisting of the 10 characters in the ASCII character set

Beginning_Date_of_Attribute_Values: 1996

Attribute_Measurement_Frequency: Irregularly, as released by NASA

Attribute:

Attribute_Label: LATITUDE

Attribute_Definition: The latitude coordinate of a FIXED_WEATHER_STATION

Attribute_Definition_Source: Joint METOC Conceptual Data Model

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 89.5

Range_Domain_Maximum: -89.5

Attribute_Units_of_Measure: Degrees

Beginning_Date_of_Attribute_Values: 1996

Attribute_Measurement_Frequency: Irregularly, as released by NASA

Attribute:

Attribute_Label: LONGITUDE

Attribute_Definition: The longitude coordinate of a FIXED_WEATHER_STATION

Attribute_Definition_Source: Joint METOC Conceptual Data Model
Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: -179.5
 Range_Domain_Maximum: 179.5
 Attribute_Units_of_Measure: Degrees
Beginning_Date_of_Attribute_Values: 1996
Attribute_Measurement_Frequency: Irregularly, as released by NASA

Attribute:

Attribute_Label: PRECIPITATION
Attribute_Definition: The total daily depth of liquid precipitation
Attribute_Definition_Source: 14WS
Attribute_Domain_Values: Missing data is coded with "-99999"
 Range_Domain:
 Range_Domain_Minimum: -99999
 Range_Domain_Maximum: 999999
 Attribute_Units_of_Measure: Millimeters
Beginning_Date_of_Attribute_Values: 1996
Attribute_Measurement_Frequency: Irregularly, as released by NASA

Overview_Description:

Entity_and_Attribute_Overview: None
Entity_and_Attribute_Detail_Citation: None

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:
 Contact_Organization: 14WS/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@14WS.af.mil
Hours_of_Service: 0730-1630 Eastern Time M-F

Resource_Description: GPCP-Global Precipitation Climatology Project Data

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: 20090727
Metadata_Review_Date: 20090727
Metadata_Future_Review_Date: 20100730
Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:
Contact_Organization: 14WS/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
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Contact_Facsimile_Telephone: DSN 673-9024
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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