

MS_AvgPrecip_98to2010

Shapefile



Tags precipitation

Summary

Vector dataset provides derived average annual precipitation according to a model using point precipitation and elevation data for the 30-year period of 1971-2000.

Description

Vector dataset provides derived average annual precipitation according to a model using point precipitation and elevation data for the 30-year period of 1971-2000.

Spatially distributed daily precipitation for the Conterminous United States (CONUS). Each file represents 1 day for the period 1960-2001 and at the 2.5 min (around 4 km) resolution. The data were obtained via interpolation of daily ratios calculated from ground-based meteorological station records (Eischeid et al. 2000) and combined with the respective fields of monthly topography-enhanced estimates, the PRISM (Parameter-elevation Regressions on Independent Slopes Model) maps (Daly et al. 1994).

Credits

The U.S. Department of Agriculture, Service Center Agencies should be acknowledged as the data source in products derived from these data.

This data set is not designed for use as a primary regulatory tool in permitting or citing decisions, but may be used as a reference source. This information may be interpreted by organizations, agencies, units of government, or others based on needs; however, they are responsible for the appropriate application. Federal, State, or local regulatory bodies are not to reassign to the Service Center Agencies any authority for the decisions that they make. The Service Center Agencies will not perform any evaluations of these data for purposes related solely to State or local regulatory programs.

Use limitations

Although these data have been processed successfully on a computer system at the U.S. Department of Agriculture, no warranty expressed or implied is made by the Service Center Agencies regarding the utility of the data on any other system, nor shall the act of distribution constitute any such warranty. The U.S. Department of Agriculture will warrant the delivery of this product in computer readable format, and will offer appropriate adjustment of credit when the product is determined unreadable by correctly adjusted computer input peripherals, or when the physical medium is delivered in damaged condition. Request for adjustment of credit must be made within 90 days from the date of this shipment from the ordering site.

Neither the U.S. Department of Agriculture, nor any of its agencies are liable for misuse of the data, for damage, for transmission of viruses, or for computer contamination through the distribution of these data sets. The U.S. Department of Agriculture prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age,

disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs.)

Extent

West -91.737501 **East** -88.095834

North 35.005523 **South** 30.144631

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ▶

Topics and Keywords ▶

THEMES OR CATEGORIES OF THE RESOURCE [climatology](#)[Meteorology](#)[Atmosphere](#)

* CONTENT TYPE [Downloadable Data](#)

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION [No](#)

[Hide Topics and Keywords ▲](#)

Citation ▶

* TITLE [MS_AvgPrecip_98to2010](#)

PUBLICATION DATE [2010-09-10 00:00:00](#)

PRESENTATION FORMATS * [digital map](#)

[Hide Citation ▲](#)

Citation Contacts ▶

RESPONSIBLE PARTY

INDIVIDUAL'S NAME [Jan Curtis](#)

ORGANIZATION'S NAME [USDA NRCS](#)

CONTACT'S ROLE [resource provider](#)

CONTACT INFORMATION ▶

ADDRESS

TYPE

E-MAIL ADDRESS jan.curtis@por.usda.gov

[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

Resource Details ▶

DATASET LANGUAGES * [English \(UNITED STATES\)](#)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

CREDITS

The U.S. Department of Agriculture, Service Center Agencies should be acknowledged as the data source in products derived from these data.

This data set is not designed for use as a primary regulatory tool in permitting or citing decisions, but may be used as a reference source. This information may be interpreted by organizations, agencies, units of government, or others based on needs; however, they are responsible for the appropriate application. Federal, State, or local regulatory bodies are not to reassign to the Service Center Agencies any authority for the decisions that they make. The Service Center Agencies will not perform any evaluations of these data for purposes related solely to State or local regulatory programs.

ARCGIS ITEM PROPERTIES

* NAME MS_AvgPrecip_98to2010

* SIZE 1.116

* LOCATION file:///\\DESKTOP-

TP9LNVL\F\$\DATA\00_CLIMATE_WEATHER\Avgtempnrain\climate\precipitation\MS_AvgPrecip_98to2010.shp

* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -91.737501

* EAST LONGITUDE -88.095834

* NORTH LATITUDE 35.005523

* SOUTH LATITUDE 30.144631

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 318558.595088

* EAST LONGITUDE 650998.447629

* SOUTH LATITUDE 1040389.602296

* NORTH LATITUDE 1577861.338931

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

Although these data have been processed successfully on a computer system at the U.S. Department of Agriculture, no warranty expressed or implied is made by the Service Center Agencies regarding the utility of the data on any other system, nor shall the act of distribution constitute any such warranty. The U.S. Department of Agriculture will warrant the delivery of this product in computer readable format, and will offer appropriate adjustment of credit when the product is determined unreadable by correctly adjusted computer input peripherals, or when the physical medium is delivered in damaged condition. Request for adjustment of credit must be made within 90 days from the date of this shipment from the ordering site.

Neither the U.S. Department of Agriculture, nor any of its agencies are liable for misuse of the data, for damage, for transmission of viruses, or for computer contamination through the distribution of these data sets. The U.S. Department of Agriculture prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs.)

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

- * TYPE Projected
- * GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
- * PROJECTION NAD_1983_Mississippi_TM
- * COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102609
X ORIGIN -5122200
Y ORIGIN -12297100
XY SCALE 450339697.45066422
Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 0.001
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LATEST WELL-KNOWN IDENTIFIER 3814

WELL-KNOWN TEXT

PROJCS["NAD_1983_Mississippi_TM",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000.0],PARAMETER["False_Northing",1300000.0],PARAMETER["Central_Meridian",-89.75],PARAMETER["Scale_Factor",0.9998335],PARAMETER["Latitude_Of_Origin",32.5],UNIT["Meter",1.0],AUTHORITY["EPSG",3814]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 3814
- * CODESPACE EPSG
- * VERSION 6.17.1(10.0.0)

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME MS_AvgPrecip_98to2010

* OBJECT TYPE composite

* OBJECT COUNT 18

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME MS_AvgPrecip_98to2010

* FEATURE TYPE Simple

* GEOMETRY TYPE Polygon

* HAS TOPOLOGY FALSE

* FEATURE COUNT 18

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL attribute

SCOPE DESCRIPTION

ATTRIBUTES

General information about entity and attributes is available from PRISM Data Users Guide (PRISGUID.pdf) delivered with each request.

ATTRIBUTE INSTANCES

Relevant attributes are FIPS_S and PrecipInches. FIPS_S is a 2-digit FIPS code and PrecipInches is average precipitation in inches.

[Hide Scope of quality information ▲](#)

[Hide Data Quality ▲](#)

Lineage ►

LINEAGE STATEMENT

Oregon Climate Service at Oregon State University

2012

Average Monthly or Annual Precipitation 1981-2010

File geodatabase Feature Classes were generated from PRISM rasters for each state and merged into a feature class.. Attribute data was cleaned up and a State FIPS field was added. The merged file was loaded into an SDE database. See the PRISM web site for more information on the original files <http://www.ocs.orst.edu/prism>.

[Hide Lineage ▲](#)

Distribution ►

DISTRIBUTION FORMAT

* NAME Shapefile

VERSION 10.8

FORMAT INFORMATION CONTENT This digital data set publication was prepared by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, make any warranty, expressed or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or misuse of the data, or for damage, transmission of viruses or computer contamination through the distribution of these data sets or for the usefulness of any information, apparatus, product, or process disclosed in this report, or represents that its use would not infringe privately owned rights. Reference therein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. Any views and opinions of authors expressed herein do not necessarily state or reflect those!

TRANSFER OPTIONS

* TRANSFER SIZE 1.116

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT MS_AvgPrecip_98to2010 ►

* TYPE Feature Class

* ROW COUNT 18

FIELD FID ►

* ALIAS FID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Internal feature number.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

Hide Field FID ▲

FIELD Shape ▶

- * ALIAS Shape
- * DATA TYPE Geometry
- * WIDTH 0
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Feature geometry.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Coordinates defining the features.

Hide Field Shape ▲

FIELD PrecipInch ▶

- * ALIAS PrecipInch
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

Hide Field PrecipInch ▲

FIELD FIPS_S ▶

- * ALIAS FIPS_S
- * DATA TYPE String
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

Hide Field FIPS_S ▲

FIELD Inches ▶

- * ALIAS Inches
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0

* SCALE 0
FIELD DESCRIPTION
inches of yearly precipitation

DESCRIPTION SOURCE
NRCS

[Hide Field Inches ▲](#)

[Hide Details for object MS_AvgPrecip_98to2010 ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (UNITED STATES)
* METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
SCOPE NAME * dataset

* LAST UPDATE 2021-09-02

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE ISO 19139 Metadata Implementation Specification
STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2021-09-02 11:20:20
LAST MODIFIED IN ARCGIS FOR THE ITEM 2021-09-02 11:40:33

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2021-09-02 11:31:45

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Jan Curtis
ORGANIZATION'S NAME Farm Production and Conservation Business Center (FPAC BC)
Geospatial Enterprise Operations (GEO) Branch
CONTACT'S ROLE resource provider

CONTACT INFORMATION ►

ADDRESS
TYPE
E-MAIL ADDRESS jan.curtis@por.usda.gov

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

FGDC Metadata (read-only) ▼

DETAILED DESCRIPTION

ENTITY TYPE

ENTITY TYPE LABEL MS_AvgPrecip_98to2010

ATTRIBUTE

ATTRIBUTE LABEL FID

ATTRIBUTE DEFINITION

Internal feature number.

ATTRIBUTE DEFINITION SOURCE Esri

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Sequential unique whole numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL Shape

ATTRIBUTE DEFINITION

Feature geometry.

ATTRIBUTE DEFINITION SOURCE Esri

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Coordinates defining the features.

ATTRIBUTE

ATTRIBUTE LABEL PrecipInch

ATTRIBUTE

ATTRIBUTE LABEL FIPS_S

ATTRIBUTE

ATTRIBUTE LABEL Inches

ATTRIBUTE DEFINITION

inches of yearly precipitation

ATTRIBUTE DEFINITION SOURCE NRCS

[Hide Entities and Attributes ▲](#)