

MS Average Max Temperature 1981 to 2010

Shapefile



Tags

temperature

Summary

Vector dataset provides derived average maximum temperature according to a model using point temperature data for the 30-year period of 1981-2010.

Description

Vector dataset provides derived average maximum temperature according to a model using point temperature data for the 30-year period of 1981-2010.

Credits

USDA/NRCS - National Geospatial Center of Excellence

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.

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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 Average Max Temperature 1981 to 2010](#)
PUBLICATION DATE [2012-08-02 00:00:00](#)

PRESENTATION FORMATS [* digital map](#)

[Hide Citation](#) ▲

Citation Contacts ►

RESPONSIBLE PARTY
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
DELIVERY POINT [501 W. Felix St, Bldg 23](#)
CITY [Ft Worth](#)
ADMINISTRATIVE AREA [TX](#)
POSTAL CODE [76115](#)

[Hide Contact information](#) ▲

[Hide Citation Contacts](#) ▲

Resource Details ►

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

SPATIAL REPRESENTATION TYPE [* vector](#)

* PROCESSING ENVIRONMENT [Version 6.2 \(Build 9200\) ; Esri ArcGIS 10.8.1.14362](#)

CREDITS
[USDA/NRCS - National Geospatial Center of Excellence](#)

ARCGIS ITEM PROPERTIES

* NAME [MS_AvgMaxTemp_81to2010](#)
* SIZE [1.368](#)
* LOCATION [file:///\\DESKTOP-TP9LNVL\F\\$\DATA\00_CLIMATE_WEATHER\Avgtempnrain\climate\temperature\MS_AvgMaxTemp_81to2010.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

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[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_AvgMaxTemp_81to2010

* OBJECT TYPE composite

* OBJECT COUNT 9

[Hide Vector ▲](#)

ARCgis FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME MS_AvgMaxTemp_81to2010

* FEATURE TYPE Simple

* GEOMETRY TYPE Polygon

* HAS TOPOLOGY FALSE

* FEATURE COUNT 9

* 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 TempMax. FIPS_S is a 2-digit state FIPS code and TempMax is temperature in fahrenheit.

Hide Scope of quality information ▲

Hide Data Quality ▲

Lineage ►

LINEAGE STATEMENT

Climate Service at Oregon State University
Published 2012
Annual Maximum Temperature 1981-2010
Scale: 250,000

Process_Description: PRISM ASCII national files were downloaded from <http://www.prism.oregonstate.edu/>. Using Raster Calculator in the ARCGIS Toolbox - Temperature calculation - First divide by 100 to get degrees Celsius. Use that result in the next calculation and multiply by 9. Use that result in the next calculation and divide by 5. Use that result in the next calculation and add 32. $[(\text{degrees Celsius} \times 9)/5] + 32$. A file geodatabase was created for each state. The state boundary was exported for each state and buffered by 8 kilometers. Each temperature raster was extracted by mask, by state. The Raster to Polygon tool was used to create vector polygons from the raster data. The vectors were clipped to the State boundary. A State FIPS field was added and populated for each state. All of the state files were merged together to create a national seamless layer, and re-projected from GCS83 to WGS84. The national file was exported to SDE. See the PRISM web site for more information on the original files <http://www.ocs.oregonstate.edu/prism>.

Process_Date: 201209

Hide Lineage ▲

Distribution ►

DISTRIBUTION FORMAT

* NAME Shapefile
VERSION 10.8

TRANSFER OPTIONS

* TRANSFER SIZE 1.368

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT MS_AvgMaxTemp_81to2010 ►

* TYPE Feature Class

* ROW COUNT 9

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 TempMax ▶

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

FIELD DESCRIPTION

Average max temperature in Farenheit degrees

DESCRIPTION SOURCE

PRISM

Hide Field TempMax ▲

FIELD FIPS_S ▶

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

Hide Field FIPS_S ▲

Hide Details for object MS_AvgMaxTemp_81to2010 ▲

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 12:47:20

LAST MODIFIED IN ARCGIS FOR THE ITEM 2021-09-02 12:56:53

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2021-09-02 12:47:29

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

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

DELIVERY POINT 501 W. Felix St, Bldg 23

CITY Ft Worth

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[Hide Metadata Constraints ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

FGDC Metadata (read-only) ▼

DETAILED DESCRIPTION
ENTITY TYPE
ENTITY TYPE LABEL MS_AvgMaxTemp_81to2010

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 TempMax
ATTRIBUTE DEFINITION
Average max temperature in Farenheit degrees
ATTRIBUTE DEFINITION SOURCE PRISM

ATTRIBUTE
ATTRIBUTE LABEL FIPS_S

[Hide Entities and Attributes ▲](#)