

Projected Temperature Change

File Geodatabase Feature Class



Tags

Projected Temperature Change, Temperature, Projections, Emissions Scenarios

Summary

This raster dataset displays projected change in average surface air temperature: lower emissions (B1) and higher emissions (A2).

Description

Maps show projected change in average surface air temperature in the later part of this century (2071-2099) relative to the later part of the last century (1970-1999) under a scenario that assumes substantial reductions in heat trapping gases (B1) and a higher emissions scenario that assumes continued increases in global emissions (A2). (See Appendix 3: Climate Science, Supplemental Message 5 for a discussion of temperature changes under a wider range of future scenarios for various periods of this century). (Figure source: NOAA NCDC / CICS-NC).

Credits

NOAA NCDC / CICS-NC

Use limitations

There are no access and use limitations for this item.

ArcGIS Metadata ►

Topics and Keywords ►

* CONTENT TYPE Downloadable Data

Hide Topics and Keywords ▲

Citation ►

TITLE Projected Temperature Change
CREATION DATE 2015-04-21 00:00:00
PUBLICATION DATE 2015-04-21 00:00:00

PRESENTATION FORMATS * digital map

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY
ORGANIZATION'S NAME NOAA NCDC / CICS-NC

CONTACT'S ROLE owner

[Hide](#) [Citation](#) [Contacts](#) ▲

Resource Details ▼

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE **Extent used for searching**

* WEST LONGITUDE -116.718748

* EAST LONGITUDE -66.093748

* NORTH LATITUDE 50.230490

* SOUTH LATITUDE 22.324877

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -12993071.603702

* EAST LONGITUDE -7357522.382293

* SOUTH LATITUDE 2550575.527986

* NORTH LATITUDE 6486288.701683

* EXTENT CONTAINS THE RESOURCE Yes

[Hide](#) [Extents](#) ▲

Resource Points of Contact ►

POINT OF CONTACT

ORGANIZATION'S NAME NOAA NCDC / CICS-NC

CONTACT'S ROLE owner

[Hide](#) [Resource Points of Contact](#) ▲

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE **Projected**

* GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984

* PROJECTION WGS_1984_Web_Mercator_Auxiliary_Sphere

* COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 3857

X ORIGIN -22041545.196626503

Y ORIGIN -33272760.666300893

XY SCALE 135368852.55357128

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

WELL-KNOWN TEXT PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS

```
["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID
["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT
["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER
["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER
["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER
["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]
```

REFERENCE SYSTEM IDENTIFIER

*VALUE 3857
*CODESPACE EPSG
*VERSION 7.4.1

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

*LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME projected_temperature_change_b1_a2

*OBJECT TYPE composite

*OBJECT COUNT 113

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

*FEATURE TYPE Simple
*GEOMETRY TYPE Polygon
*HAS TOPOLOGY FALSE
*FEATURE COUNT 113
*SPATIAL INDEX TRUE
*LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Distribution ►

DISTRIBUTION FORMAT

*NAME File Geodatabase Feature Class

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT projected_temperature_change_b1_a2 ►

*TYPE Feature Class

*ROW COUNT 113

FIELD OBJECTID ►

*ALIAS OBJECTID

*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 OBJECTID ▲

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 Input_FID ►

*ALIAS Input_FID
*DATA TYPE Integer
*WIDTH 4
*PRECISION 0
*SCALE 0
FIELD DESCRIPTION
Input FID

DESCRIPTION SOURCE
NOAA NCDC / CICS-NC

Hide Field Input_FID ▲

FIELD AnnualChangeB1 ►

*ALIAS AnnualChangeB1
*DATA TYPE Double
*WIDTH 8
*PRECISION 0
*SCALE 0
FIELD DESCRIPTION
Lower Emissions (B1)

DESCRIPTION SOURCE
NOAA NCDC / CICS-NC

Hide Field AnnualChangeB1 ▲

FIELD **AnnualChangeA2** ▶

* ALIAS AnnualChangeA2

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Higher Emissions (A2)

DESCRIPTION SOURCE

NOAA NCDC / CICS-NC

Hide Field AnnualChangeA2 ▲

FIELD **Shape_Length** ▶

* ALIAS Shape_Length

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Length of feature in internal units.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES Positive real numbers that are automatically generated.

Hide Field Shape_Length ▲

FIELD **Shape_Area** ▶

* ALIAS Shape_Area

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Area of feature in internal units squared.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES Positive real numbers that are automatically generated.

Hide Field Shape_Area ▲

Hide Details for object projected_temperature_change_b1_a2 ▲

Hide Fields ▲

Metadata Details ▶

* METADATA LANGUAGE English (UNITED STATES)

SCOPE OF THE DATA DESCRIBED BY THE METADATA *dataset

SCOPE NAME *dataset

*LAST UPDATE 2015-04-21

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE FGDC CSDGM Metadata

STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2015-04-16 09:50:18

LAST MODIFIED IN ARCGIS FOR THE ITEM 2015-04-21 08:52:58

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2015-04-21 08:52:58

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Kevin Hlava

ORGANIZATION'S NAME Argonne National Laboratory

CONTACT'S POSITION GIS Assistant/Specialist

CONTACT'S ROLE user

CONTACT INFORMATION ►

PHONE

VOICE 630-252-0060

ADDRESS

TYPE both

DELIVERY POINT 9700 S. Cass Ave., B240

CITY Lemont

ADMINISTRATIVE AREA IL

POSTAL CODE 60439

COUNTRY US

E-MAIL ADDRESS khlava@anl.gov

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

FGDC Metadata (read-only) ▼