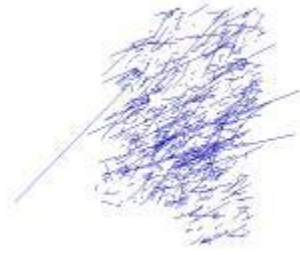


MS_Historic_Tornado_Tracks

Shapefile



Tags

0

Summary

This dataset represents tornado tracks in the United States, Puerto Rico, and the U.S. Virgin Islands, from 1950 to 2013. Statistical data were obtained from the National Weather Service, Storm Prediction Center (SPC).

Description

This dataset represents tornado tracks in the United States, Puerto Rico, and the U.S. Virgin Islands, from 1950 to 2013. Statistical data were obtained from the National Weather Service, Storm Prediction Center (SPC).

Credits

NOAA; National Weather Service; National Centers for Environmental Prediction; Storm Prediction Center; SVRGIS These files are an attempt to represent the data that is submitted to the Storm Data publication by National Weather Service field offices. Careful review of the data is conducted at the National Climate Data Center and the Storm Prediction Center. More information available online: <http://www.spc.noaa.gov/wcm/#data> Website:

<http://www.spc.noaa.gov/gis/svrgis/> Attribute Domain Values:

http://www.spc.noaa.gov/wcm/data/SPC_severe_database_description.pdf **** NOTE - MARIS staff in April 2017, extracted just MS tornadoes using the Select by Location Tool in ArcGIS 10.4. MARIS staff also added detailed field descriptions from the NOAA description document listed above *****

Use limitations

Access Constraint: None (Public Domain Information) Use Constraint: None (Public Use)

Extent

West -93.379618 **East** -87.371892

North 35.120911 **South** 30.137437

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 [environment](#)

* CONTENT TYPE Downloadable Data
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

THEME KEYWORDS 0

[Hide Topics and Keywords ▲](#)

Citation ►

* TITLE MS_Historic_Tornado_Tracks
PUBLICATION DATE 2014-03-18

PRESENTATION FORMATS * digital map

[Hide Citation ▲](#)

Resource Details ►

DATASET LANGUAGES English (UNITED STATES)

SPATIAL REPRESENTATION TYPE * vector

SUPPLEMENTAL INFORMATION

NOAA; National Weather Service; National Centers for Environmental Prediction; Storm Prediction Center; SVRGIS These files are an attempt to represent the data that is submitted to the Storm Data publication by National Weather Service field offices. Careful review of the data is conducted at the National Climate Data Center and the Storm Prediction Center. More information available online:
<http://www.spc.noaa.gov/wcm/#data> Website: <http://www.spc.noaa.gov/gis/svrgis/>
Attribute Domain Values:
http://www.spc.noaa.gov/wcm/data/SPC_severe_database_description.pdf

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.4.1.5686

CREDITS

NOAA; National Weather Service; National Centers for Environmental Prediction; Storm Prediction Center; SVRGIS These files are an attempt to represent the data that is submitted to the Storm Data publication by National Weather Service field offices. Careful review of the data is conducted at the National Climate Data Center and the Storm Prediction Center. More information available online:
<http://www.spc.noaa.gov/wcm/#data> Website: <http://www.spc.noaa.gov/gis/svrgis/>
Attribute Domain Values:
http://www.spc.noaa.gov/wcm/data/SPC_severe_database_description.pdf ****
NOTE - MARIS staff in April 2017, extracted just MS tornadoes using the Select by Location Tool in ArcGIS 10.4. MARIS staff also added detailed field descriptions from the NOAA description document listed above *****

ARCGIS ITEM PROPERTIES

* NAME MS_Historic_Tornado_Tracks
* SIZE 0.145
* LOCATION file://\\SWALKER-PC\E\$\DATA\HISN_2017\MS_Historic_Tornado_Tracks.shp
* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -93.379618

* EAST LONGITUDE -87.371892

* NORTH LATITUDE 35.120911

* SOUTH LATITUDE 30.137437

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 168906.587049

* EAST LONGITUDE 716820.283524

* SOUTH LATITUDE 1043082.292729

* NORTH LATITUDE 1590660.558740

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Patrik Marsh

ORGANIZATION'S NAME NOAA

CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

ADDRESS

E-MAIL ADDRESS partic.marsh@noaa.gov

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

Resource Constraints ►

LEGAL CONSTRAINTS

OTHER CONSTRAINTS

Access Constraint: None (Public Domain Information)

CONSTRAINTS

LIMITATIONS OF USE

Access Constraint: None (Public Domain Information) Use Constraint: None (Public Use)

[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_Historic_Tornado_Tracks

- * OBJECT TYPE composite
- * OBJECT COUNT 1732

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME MS_Historic_Tornado_Tracks

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polyline
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 1732

- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Distribution ►

DISTRIBUTION FORMAT

- * NAME Shapefile
- VERSION 10.4

TRANSFER OPTIONS

- * TRANSFER SIZE 0.145

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT MS_Historic_Tornado_Tracks ►

- * TYPE Feature Class
- * ROW COUNT 1732

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 OBJECTID ►

- * ALIAS OBJECTID
- * DATA TYPE Integer
- * WIDTH 10
- * PRECISION 10
- * 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 DY ►

* ALIAS DY

* DATA TYPE String

* WIDTH 80

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Day of storm

DESCRIPTION SOURCE

MARIS

Hide Field DY ▲

FIELD FID_1 ►

* ALIAS FID_1

* DATA TYPE Integer

* WIDTH 10

* PRECISION 10

* SCALE 0

Hide Field FID_1 ▲

FIELD DATE ►

* ALIAS DATE

* DATA TYPE String

* WIDTH 80

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Actual Date of tornado

DESCRIPTION SOURCE

MARIS

Hide Field DATE ▲

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 CLOSS ▶

- * ALIAS CLOSS
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Estimated crop loss in millions of dollars (started in 2007. Entry of 0 does NOT mean \$0.

DESCRIPTION SOURCE

NOAA

Hide Field CLOSS ▲

FIELD MO ▶

- * ALIAS MO
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Month

DESCRIPTION SOURCE

MARIS

Hide Field MO ▲

FIELD SLAT ►

- * ALIAS SLAT
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Starting latitude in DD

DESCRIPTION SOURCE

NOAA

Hide Field SLAT ▲

FIELD ELAT ►

- * ALIAS ELAT
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Ending latitude in DD

DESCRIPTION SOURCE

NOAA

Hide Field ELAT ▲

FIELD ELON ►

- * ALIAS ELON
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Ending Longitude in DD

DESCRIPTION SOURCE

NOAA

Hide Field ELON ▲

FIELD ST ►

- * ALIAS ST
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0

* SCALE 0

FIELD DESCRIPTION

State Code

DESCRIPTION SOURCE

NOAA

[Hide Field ST ▲](#)

FIELD WID ►

* ALIAS WID

* DATA TYPE String

* WIDTH 80

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Width of tornado in yards

DESCRIPTION SOURCE

NOAA

[Hide Field WID ▲](#)

FIELD FAT ►

* ALIAS FAT

* DATA TYPE String

* WIDTH 80

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Fatalities

DESCRIPTION SOURCE

NOAA

[Hide Field FAT ▲](#)

FIELD STF ►

* ALIAS STF

* DATA TYPE String

* WIDTH 80

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

State FIPS

DESCRIPTION SOURCE

MARIS

[Hide Field STF ▲](#)

FIELD YR ►

- * ALIAS YR
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Year of Hurricane

DESCRIPTION SOURCE

MARIS

[Hide Field YR ▲](#)

FIELD LOSS ►

- * ALIAS LOSS
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Prior to 1996 - Loss in actual dollars; After 1996 - Loss in millions of dollars

DESCRIPTION SOURCE

NOAA

[Hide Field LOSS ▲](#)

FIELD MAG ►

- * ALIAS MAG
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Magnitude on F Scale 1950 to 2006 ; EF Scale Since 2007

DESCRIPTION SOURCE

NOAA

[Hide Field MAG ▲](#)

FIELD TZ ►

- * ALIAS TZ
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Time Zone

DESCRIPTION SOURCE

NOAA

Hide Field TZ ▲

FIELD OM ►

* ALIAS OM

* DATA TYPE String

* WIDTH 80

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Tornado number

DESCRIPTION SOURCE

NOAA

Hide Field OM ▲

FIELD SLON ►

* ALIAS SLON

* DATA TYPE String

* WIDTH 80

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Starting Longitude in DD

DESCRIPTION SOURCE

NOAA

Hide Field SLON ▲

FIELD STN ►

* ALIAS STN

* DATA TYPE String

* WIDTH 80

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Number of this tornado in the state

DESCRIPTION SOURCE

NOAA

Hide Field STN ▲

FIELD LEN ▶

- * ALIAS LEN
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Length of tract in miles

DESCRIPTION SOURCE

NOAA

Hide Field LEN ▲

FIELD TIME ▶

- * ALIAS TIME
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Actual Time of storm

DESCRIPTION SOURCE

MARIS

Hide Field TIME ▲

FIELD Shape_Leng ▶

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

Hide Field Shape_Leng ▲

FIELD INJ ▶

- * ALIAS INJ
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Number of Injuries

DESCRIPTION SOURCE

NOAA

[Hide Field INJ ▲](#)

FIELD Shape_Le_1 ▶

- * ALIAS Shape_Le_1
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

[Hide Field Shape_Le_1 ▲](#)

[Hide Details for object MS_Historic_Tornado_Tracks ▲](#)

[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 2017-04-05

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 2017-04-05 10:52:55
LAST MODIFIED IN ARCGIS FOR THE ITEM 2017-04-05 11:26:03

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2017-04-05 10:58:48

[Hide Metadata Details ▲](#)

Metadata Contacts ▶

METADATA CONTACT

INDIVIDUAL'S NAME Patrik Marsh
ORGANIZATION'S NAME NOAA
CONTACT'S ROLE point of contact

CONTACT INFORMATION ▶

ADDRESS

E-MAIL ADDRESS partic.marsh@noaa.gov

[Hide Contact information ▲](#)

METADATA CONTACT

INDIVIDUAL'S NAME **Steve Walker**
ORGANIZATION'S NAME **MARIS**
CONTACT'S POSITION **GIS Operations Manager**
CONTACT'S ROLE **distributor**

[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_Historic_Tornado_Tracks**

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 **OBJECTID**

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 **DY**

ATTRIBUTE DEFINITION

Day of storm

ATTRIBUTE DEFINITION SOURCE **MARIS**

ATTRIBUTE

ATTRIBUTE LABEL **FID_1**

ATTRIBUTE

ATTRIBUTE LABEL **DATE**

ATTRIBUTE DEFINITION

Actual Date of tornado
ATTRIBUTE DEFINITION SOURCE MARIS

ATTRIBUTE
ATTRIBUTE LABEL Shape
ATTRIBUTE DEFINITION
Feature geometry.
ATTRIBUTE DEFINITION SOURCE Esri
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Coordinates defining the features.

ATTRIBUTE
ATTRIBUTE LABEL CLOSS
ATTRIBUTE DEFINITION
Estimated crop loss in millions of dollars (started in 2007. Entry of 0 does NOT mean \$0.
ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE
ATTRIBUTE LABEL MO
ATTRIBUTE DEFINITION
Month
ATTRIBUTE DEFINITION SOURCE MARIS

ATTRIBUTE
ATTRIBUTE LABEL SLAT
ATTRIBUTE DEFINITION
Starting latitude in DD
ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE
ATTRIBUTE LABEL ELAT
ATTRIBUTE DEFINITION
Ending latitude in DD
ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE
ATTRIBUTE LABEL ELON
ATTRIBUTE DEFINITION
Ending Longitude in DD
ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE
ATTRIBUTE LABEL ST
ATTRIBUTE DEFINITION
State Code
ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE
ATTRIBUTE LABEL WID
ATTRIBUTE DEFINITION
Width of tornado in yards
ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE
ATTRIBUTE LABEL FAT
ATTRIBUTE DEFINITION

Fatalities

ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE

ATTRIBUTE LABEL STF

ATTRIBUTE DEFINITION

State FIPS

ATTRIBUTE DEFINITION SOURCE MARIS

ATTRIBUTE

ATTRIBUTE LABEL YR

ATTRIBUTE DEFINITION

Year of Hurricane

ATTRIBUTE DEFINITION SOURCE MARIS

ATTRIBUTE

ATTRIBUTE LABEL LOSS

ATTRIBUTE DEFINITION

Prior to 1996 - Loss in actual dollars; After 1996 - Loss in millions of dollars

ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE

ATTRIBUTE LABEL MAG

ATTRIBUTE DEFINITION

Magnitude on F Scale 1950 to 2006 ; EF Scale Since 2007

ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE

ATTRIBUTE LABEL TZ

ATTRIBUTE DEFINITION

Time Zone

ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE

ATTRIBUTE LABEL OM

ATTRIBUTE DEFINITION

Tornado number

ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE

ATTRIBUTE LABEL SLON

ATTRIBUTE DEFINITION

Starting Longitude in DD

ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE

ATTRIBUTE LABEL STN

ATTRIBUTE DEFINITION

Number of this tornado in the state

ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE

ATTRIBUTE LABEL LEN

ATTRIBUTE DEFINITION

Length of tract in miles

ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE

ATTRIBUTE LABEL TIME
ATTRIBUTE DEFINITION
Actual Time of storn
ATTRIBUTE DEFINITION SOURCE MARIS

ATTRIBUTE

ATTRIBUTE LABEL Shape_Leng

ATTRIBUTE

ATTRIBUTE LABEL INJ
ATTRIBUTE DEFINITION
Number of Injuries
ATTRIBUTE DEFINITION SOURCE NOAA

ATTRIBUTE

ATTRIBUTE LABEL Shape_Le_1

[Hide Entities and Attributes ▲](#)