HurrIda_Path_2021

Shapefile

Tags

Hurricane, Hurricane Track, Tropical Storm, Subtropical storm, Subtropical depression, Tropical disturbance, Tropical Wave, Tropical low, Extratropical storm, Major hurricane, Tropical cyclone, Subtropical cyclone, Typhoon

Summary

These data are intended for geographic display and analysis at the national level, and for large regional areas.
The data should be displayed and analyzed at scales appropriate for 1:2,000,000-scale data. No responsibility is assumed
by the National Oceanic and Atmospheric Administration in the use of these data.

Description

The best track is a subjectively-smoothed representation of the tropical cyclone's location and intensity at 6-h interval over its lifetime. These best track positions and intensity (maximum 1-minute sustained surface wind speed and minimum sea-level pressure) are based on a post-storm assessment of all available data and may differ from values contained in real-time storm advisories. In general, they will not reflect the erratic motion implied by connecting the individual center fix positions. The best track is a living database which serves as the official U.S. National Weather Service historical record of the tropical cyclone.

Credits

There are no credits for this item.

Use limitations

None. Acknowledgement of the National Oceanic and Atmospheric Administration, National Weather Service, National Centers for Environmental Prediction or the National Hurricane Center would be appreciated in products derived from these data.

Extent

West -90.817939   **East**   -60.942347
North 32.202224   **South**   11.714276

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   climatologyMeteorologyAtmosphere, oceans

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

THEME KEYWORDS   Hurricane, Tropical Storm, Tropical Depression

Hide Topics and Keywords ▲

Citation ►

* TITLE   HurrIda_Path_2021
PUBLICATION DATE   2021-08-30   00:00:00

PRESENTATION FORMATS   * digital map

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY
  INDIVIDUAL'S NAME   GIS POC
  ORGANIZATION'S NAME   National Hurricane Center / Technical Support Branch
  CONTACT'S POSITION   Tech Support
  CONTACT'S ROLE   resource provider

  CONTACT INFORMATION   ►
  ADDRESS
    TYPE   physical
    DELIVERY POINT   11691 SW 17th St.
    CITY   Miami
    ADMINISTRATIVE AREA   FL
    POSTAL CODE   33165
    COUNTRY   US

    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

ARCGIS ITEM PROPERTIES
  * NAME   HurrIda_Path_2021
  * SIZE   0.001
  * LOCATION   file://\\DESKTOP-
  TP9LNVL\F$\DATA\00_CLIMATE_WEATHER\Ida_2021\HurrIda_Path_2021.shp

* ACCESS PROTOCOL   Local Area Network

Hide Resource Details ▲

Extents ▶

EXTENT
  GEOGRAPHIC EXTENT
    BOUNDING RECTANGLE
      EXTENT TYPE   Extent used for searching
      * WEST LONGITUDE   -90.817939
      * EAST LONGITUDE   -60.942347
      * NORTH LATITUDE   32.202224
      * SOUTH LATITUDE   11.714276
      * EXTENT CONTAINS THE RESOURCE   Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
  * WEST LONGITUDE   399318.423151
  * EAST LONGITUDE   3372925.693279
  * SOUTH LATITUDE   -864600.579499
  * NORTH LATITUDE   1266984.256022
  * EXTENT CONTAINS THE RESOURCE   Yes

Hide Extents ▲

Resource Constraints ▶

CONSTRAINTS
  LIMITATIONS OF USE

      None. Acknowledgement of the National Oceanic and Atmospheric Administration,
      National Weather Service, National Centers for Environmental Prediction or the
      National Hurricane Center would be appreciated in products derived from these data.

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_Mer
cator"],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   HurrIda_Path_2021
  * OBJECT TYPE   composite
  * OBJECT COUNT   9

  Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES   ▶
  FEATURE CLASS NAME   HurrIda_Path_2021
  * FEATURE TYPE   Simple
  * GEOMETRY TYPE   Polyline
  * HAS TOPOLOGY   FALSE
  * FEATURE COUNT   9
  * SPATIAL INDEX   TRUE
  * LINEAR REFERENCING   FALSE

  Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Distribution ▶

DISTRIBUTION FORMAT
  * NAME   Shapefile
  VERSION   10.8.1

TRANSFER OPTIONS

* **TRANSFER SIZE** 0.001

Hide Distribution ▲

Fields ▶

DETAILS FOR OBJECT HurrIda_Path_2021 ▶
* **TYPE** Feature Class
* **ROW COUNT** 9
DEFINITION
Storm track

DEFINITION SOURCE
National Hurricane Center

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 STORMTYPE ►
* ALIAS   STORMTYPE
* DATA TYPE   String
* WIDTH   50
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   Category of the tropical cyclone according to the initial intensity

DESCRIPTION SOURCE
   National Hurricane Center

LIST OF VALUES
   VALUE   TD
   DESCRIPTION   Tropical Depression
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   National Hurricane Center

   VALUE   TS
   DESCRIPTION   Tropical Storm
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   National Hurricane Center

   VALUE   HU
   DESCRIPTION   Hurricane
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   National Hurricane Center

   VALUE   DB
   DESCRIPTION   Disturbance
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   National Hurricane Center

   Hide Field STORMTYPE ▲

FIELD STORMNUM ►
* ALIAS   STORMNUM
* DATA TYPE   Double
* WIDTH   19
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   The sequential numbering of tropical cyclones for a specific forecast basin according to
   when the first advisory is issued

DESCRIPTION SOURCE
   National Hurricane Center

RANGE OF VALUES
   MINIMUM VALUE   1
   MAXIMUM VALUE   100

   Hide Field STORMNUM ▲

FIELD SS ►
    * ALIAS   SS
    * DATA TYPE   Double
    * WIDTH   19
    * PRECISION   0
    * SCALE   0
    FIELD DESCRIPTION
        The Saffir Simpson Hurricane Scale. The Saffir-Simpson Hurricane Scale is a 1-5 rating
        based on the hurricane's present intensity.
        This is used to give an estimate of the potential property damage and flooding
        expected along the coast from a hurricane landfall.
        Wind speed is the determining factor in the scale, as storm surge values are highly
        dependent on the slope of the continental shelf and
        the shape of the coastline, in the landfall region. Note that all winds are using the U.S.
        1-minute average.

    DESCRIPTION SOURCE
        National Hurricane Center

    RANGE OF VALUES
        MINIMUM VALUE   1
        MAXIMUM VALUE   5

        Hide Field SS ▲

    Hide Details for object HurrIda_Path_2021 ▲

    Hide Fields ▲

Metadata Details ►

    * METADATA LANGUAGE   English (UNITED STATES)
    * METADATA CHARACTER SET   8859part1 - Latin alphabet No. 1

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

    * LAST UPDATE   2022-02-03

    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   2022-02-02   13:36:20
      LAST MODIFIED IN ARCGIS FOR THE ITEM   2022-02-03   94:84:30

      AUTOMATIC UPDATES
        HAVE BEEN PERFORMED   Yes
        LAST UPDATE   2022-02-03   09:36:04

Hide Metadata Details ▲

Metadata Contacts ►

METADATA CONTACT
  INDIVIDUAL'S NAME   GIS POC
  ORGANIZATION'S NAME   National Hurricane Center / Technical Support Branch
  CONTACT'S POSITION   Tech Support
  CONTACT'S ROLE   resource provider

    CONTACT INFORMATION   ►
    ADDRESS
      TYPE   physical
      DELIVERY POINT   11691 SW 17th St.
      CITY   Miami
      ADMINISTRATIVE AREA   FL
      POSTAL CODE   33165
      COUNTRY   US

      Hide Contact information ▲

  Hide Metadata Contacts ▲

Thumbnail and Enclosures ►

THUMBNAIL
  THUMBNAIL TYPE   JPG

  Hide Thumbnail and Enclosures ▲

FGDC Metadata (read-only) ▼

      CITATION
      CITATION INFORMATION
      ORIGINATOR   National Hurricane Center
      PUBLICATION DATE   August 30, 2021
      TITLE
      HurrIda_Path_2021
        GEOSPATIAL DATA PRESENTATION FORM   vector digital data
        ONLINE LINKAGE   http://www.nhc.noaa.gov/gis

        DESCRIPTION
      ABSTRACT
      The best track is a subjectively-smoothed representation of the tropical cyclone's location and intensity at 6-h interval over its lifetime. These best track positions and intensity (maximum 1-minute sustained surface wind speed and minimum sea-level pressure) are based on a post-storm assessment of all available data and may differ from values contained in real-time storm advisories. In general, they will not reflect the erratic motion implied by connecting the individual center fix positions. The best track is a living database which serves as the official U.S. National Weather Service historical record of the tropical cyclone.

PURPOSE

These data are intended for geographic display and analysis at the national level, and for large regional areas.

The data should be displayed and analyzed at scales appropriate for 1:2,000,000-scale data. No responsibility is assumed

by the National Oceanic and Atmospheric Administration in the use of these data.

TIME PERIOD OF CONTENT
TIME PERIOD INFORMATION
SINGLE DATE/TIME
CALENDAR DATE   August 30, 2021

STATUS
PROGRESS   Complete
MAINTENANCE AND UPDATE FREQUENCY   None planned

SPATIAL DOMAIN
BOUNDING COORDINATES
WEST BOUNDING COORDINATE   -140.0
EAST BOUNDING COORDINATE   0.0
NORTH BOUNDING COORDINATE   60.0
SOUTH BOUNDING COORDINATE   0.0

KEYWORDS
THEME
THEME KEYWORD   Hurricane, Tropical Storm, Tropical Depression

PLACE
PLACE KEYWORD THESAURUS   None
PLACE KEYWORD   United States
PLACE KEYWORD   Atlantic
PLACE KEYWORD   North Atlantic Basin
PLACE KEYWORD   Gulf of Mexico
PLACE KEYWORD   Caribbean Sea
PLACE KEYWORD   Pacific Islands
PLACE KEYWORD   Eastern North Pacific Basin
PLACE KEYWORD   Western North Pacific Basin

ACCESS CONSTRAINTS

None

USE CONSTRAINTS

None. Acknowledgement of the National Oceanic and Atmospheric Administration, National Weather Service, National Centers for Environmental Prediction or the National Hurricane Center would be appreciated in products derived from these data.

POINT OF CONTACT
CONTACT INFORMATION
CONTACT PERSON PRIMARY
CONTACT PERSON   GIS POC
CONTACT ORGANIZATION   National Hurricane Center / Technical Support Branch
CONTACT ADDRESS
ADDRESS TYPE   physical address
ADDRESS   11691 SW 17th St.
CITY   Miami
STATE OR PROVINCE   FL
POSTAL CODE   33165
COUNTRY   UNITED STATES

Hide Identification ▲

HORIZONTAL COORDINATE SYSTEM DEFINITION
GEODETIC MODEL
HORIZONTAL DATUM NAME   D_Sphere
ELLIPSOID NAME   Sphere
SEMI-MAJOR AXIS   6371200.000000
DENOMINATOR OF FLATTENING RATIO   infinity

Hide Spatial Reference ▲

DETAILED DESCRIPTION
ENTITY TYPE
ENTITY TYPE LABEL   HurrIda-Path_2021
ENTITY TYPE DEFINITION
Storm track
    ENTITY TYPE DEFINITION SOURCE   National Hurricane Center

    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   STORMTYPE
ATTRIBUTE DEFINITION
Category of the tropical cyclone according to the initial intensity
    ATTRIBUTE DEFINITION SOURCE   National Hurricane Center
    ATTRIBUTE DOMAIN VALUES
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE   TD
ENUMERATED DOMAIN VALUE DEFINITION
Tropical Depression
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE
National Hurricane Center
    ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE   TS
ENUMERATED DOMAIN VALUE DEFINITION
Tropical Storm
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE
National Hurricane Center
    ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE   HU
ENUMERATED DOMAIN VALUE DEFINITION
Hurricane
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE
National Hurricane Center
    ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE DB
ENUMERATED DOMAIN VALUE DEFINITION
Disturbance
  ENUMERATED DOMAIN VALUE DEFINITION SOURCE
National Hurricane Center

ATTRIBUTE
ATTRIBUTE LABEL STORMNUM
ATTRIBUTE DEFINITION
The sequential numbering of tropical cyclones for a specific forecast basin according to when the first advisory is issued
  ATTRIBUTE DEFINITION SOURCE National Hurricane Center
  ATTRIBUTE DOMAIN VALUES
RANGE DOMAIN
RANGE DOMAIN MINIMUM 1
RANGE DOMAIN MAXIMUM 100

ATTRIBUTE
ATTRIBUTE LABEL SS
ATTRIBUTE DEFINITION
The Saffir Simpson Hurricane Scale. The Saffir-Simpson Hurricane Scale is a 1-5 rating based on the hurricane's present intensity. This is used to give an estimate of the potential property damage and flooding expected along the coast from a hurricane landfall. Wind speed is the determining factor in the scale, as storm surge values are highly dependent on the slope of the continental shelf and the shape of the coastline, in the landfall region. Note that all winds are using the U.S. 1-minute average.
  ATTRIBUTE DEFINITION SOURCE National Hurricane Center
  ATTRIBUTE DOMAIN VALUES
RANGE DOMAIN
RANGE DOMAIN MINIMUM 1
RANGE DOMAIN MAXIMUM 5

Hide Entities and Attributes ▲
RESOURCE DESCRIPTION Downloadable Data
DISTRIBUTION LIABILITY
No responsibility is assumed by the National Oceanic and Atmospheric Administration in the use of these data.
Hide Distribution Information ▲
METADATA DATE August 30, 2021
METADATA CONTACT
CONTACT INFORMATION
CONTACT ORGANIZATION PRIMARY
CONTACT ORGANIZATION National Hurricane Center
CONTACT PERSON GIS POC
  CONTACT POSITION Technical Support Branch
  CONTACT ADDRESS
ADDRESS TYPE physical address
ADDRESS 11691 SW 17th St.
CITY Miami
STATE OR PROVINCE FL
POSTAL CODE 33178
COUNTRY UNITED STATES

  CONTACT VOICE TELEPHONE 305-229-4400

METADATA STANDARD NAME FGDC Content Standards for Digital Geospatial Metadata
METADATA STANDARD VERSION FGDC-STD-001-1998
METADATA TIME CONVENTION local time

METADATA EXTENSIONS
ONLINE LINKAGE   http://www.esri.com/metadata/esriprof80.html
PROFILE NAME   ESRI Metadata Profile

Hide Metadata Reference ▲