

# HurrIda\_Points\_2021

## Shapefile



## Tags

Hurricane, Mississippi, weather

### Summary

The working best track is a subjectively-smoothed representation of the tropical cyclone's location and intensity (maximum 1-minute sustained surface wind speed and minimum sea-level pressure) at 6 hour interval over its lifetime. In general, the working best track will not reflect the erratic motion implied by connecting the individual center fix positions.

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 NHC working best track shapefile is an experimental product that the National Hurricane Center is

testing during the 2009 hurricane season. The working best track is a subjectively-smoothed representation

of the tropical cyclone's location and intensity (maximum 1-minute sustained surface wind speed and minimum

sea-level pressure) at 6 hour intervals over its lifetime. The working best track may not exactly match the

information contained in the real-time storm advisories because the data in a working best track are

subject to modification during the life cycle of the cyclone.

(Note: The "working best track" represents the forecasters' best estimates of the location, intensity, and

size of a tropical cyclone while the cyclone is ongoing. After the life cycle is complete, forecasters prepare

a "final best track", using data that might not have been available operationally, and it is the final best

track that represents NHC's official historical record for the cyclone.)

### Credits

National Hurricane Center, MARIS

### Use limitations

There are no access and use limitations for this item.

### 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 [climatology](#)[Meteorology](#)[Atmosphere](#)

\* CONTENT TYPE [Downloadable Data](#)

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

PLACE KEYWORDS [Gulf of Mexico](#)

THEME KEYWORDS [Hurricane](#), [Hurricane Track](#), [Tropical Storm](#), [Subtropical storm](#), [Subtropical depression](#), [Tropical disturbance](#), [Tropical wave](#), [Tropical low](#), [Extratropical storm](#), [Major hurricane](#), [Tropical cyclone](#), [Subtropical cyclone](#)

[Hide Topics and Keywords ▲](#)

### Citation ►

\* TITLE [HurrIda\\_Points\\_2021](#)

CREATION DATE [2021-08-30 00:00:00](#)

PRESENTATION FORMATS [\\* digital map](#)

[Hide Citation ▲](#)

### Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME [Technical Support Branch](#)

ORGANIZATION'S NAME [National Hurricane Center](#)

CONTACT'S POSITION [Tech Support](#)

CONTACT'S ROLE [resource provider](#)

CONTACT INFORMATION ►

ADDRESS

TYPE physical  
DELIVERY POINT 11691 SW 17th Street  
CITY Miami  
ADMINISTRATIVE AREA FL  
POSTAL CODE 33165  
COUNTRY US

[Hide Contact information ▲](#)

#### RESPONSIBLE PARTY

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

#### CONTACT INFORMATION ►

##### ADDRESS

TYPE physical  
DELIVERY POINT 3825 Ridgewood Rd, Suite 717  
CITY Jackson  
ADMINISTRATIVE AREA MS  
POSTAL CODE 39211  
COUNTRY US  
E-MAIL ADDRESS [swalker@mississippi.edu](mailto:swalker@mississippi.edu)

##### HOURS OF SERVICE

7-3 M-F

[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

National Hurricane Center, MARIS

#### ARCGIS ITEM PROPERTIES

\* NAME HurrIda\_Points\_2021

\* SIZE 0.001

\* LOCATION file:///\\DESKTOP-

TP9LNVL\F\$\DATA\00\_CLIMATE\_WEATHER\Ida\_2021\HurrIda\_Points\_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 ▲](#)

## 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 HurrIda\_Points\_2021

\* OBJECT TYPE point

\* OBJECT COUNT 27

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME HurrIda\_Points\_2021

\* FEATURE TYPE Simple

\* GEOMETRY TYPE Point

\* HAS TOPOLOGY FALSE

\* FEATURE COUNT 27

\* 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\\_Points\\_2021 ►](#)

\* TYPE Feature Class

\* ROW COUNT 27

DEFINITION

Observation Points for Hurricane Ida

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 Id ►

- \* ALIAS Id
- \* DATA TYPE Integer
- \* WIDTH 6
- \* PRECISION 6
- \* SCALE 0
- FIELD DESCRIPTION  
Internal Number

- DESCRIPTION SOURCE  
ESRI

DESCRIPTION OF VALUES  
number

*Hide Field Id ▲*

FIELD FID\_1 ►

- \* ALIAS FID\_1
- \* DATA TYPE Integer
- \* WIDTH 9
- \* PRECISION 9
- \* SCALE 0

FIELD DESCRIPTION  
Internal Number

DESCRIPTION SOURCE  
ESRI

DESCRIPTION OF VALUES  
number

*Hide Field FID\_1 ▲*

FIELD DTG ►

- \* ALIAS DTG
- \* DATA TYPE Double
- \* WIDTH 19
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION  
The valid date and time of the data in UTC.

DESCRIPTION SOURCE  
National Hurricane Center

DESCRIPTION OF VALUES  
Date and Time

*Hide Field DTG ▲*

FIELD HHMM ►

- \* ALIAS HHMM
- \* DATA TYPE String
- \* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Hour and Minute of reading

DESCRIPTION SOURCE

National Hurricane Center

DESCRIPTION OF VALUES

Hour and Minute

*Hide Field HHMM ▲*

FIELD MSLP ►

\* ALIAS MSLP

\* DATA TYPE Double

\* WIDTH 19

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

the estimated sea level pressure at the center of a tropical cyclone (the lowest pressure in the system in Millibars)

DESCRIPTION SOURCE

National Hurricane Center

RANGE OF VALUES

MINIMUM VALUE 0

MAXIMUM VALUE 1000

*Hide Field MSLP ▲*

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 0

MAXIMUM VALUE 100

*Hide Field STORMNUM ▲*



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 **INTENSITY** ▶

- \* ALIAS **INTENSITY**
- \* DATA TYPE **Double**
- \* WIDTH **19**
- \* PRECISION **0**
- \* SCALE **0**

FIELD DESCRIPTION

the highest 1-minute average wind (at an elevation of 10 meters without an unobstructed exposure) associated with a tropical cyclone at a particular point in time (knots)

DESCRIPTION SOURCE

National Hurricane Center

RANGE OF VALUES

MINIMUM VALUE **0**

MAXIMUM VALUE **300**

*Hide Field **INTENSITY** ▲*

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 ▲*

FIELD LAT ►

- \* ALIAS LAT
- \* DATA TYPE Double
- \* WIDTH 19
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

distance north or south from the equator of the center of the tropical cyclone (decimal degrees)

DESCRIPTION SOURCE

National Hurricane Center

RANGE OF VALUES

- MINIMUM VALUE 0
- MAXIMUM VALUE 360

*Hide Field LAT ▲*

FIELD LON ►

- \* ALIAS LON
- \* DATA TYPE Double
- \* WIDTH 19
- \* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

distance east or west on the earth's surface from the prime meridian at Greenwich, England of the center of the tropical cyclone (decimal degrees)

DESCRIPTION SOURCE

National Hurricane Center

RANGE OF VALUES

MINIMUM VALUE -360

MAXIMUM VALUE 0

[Hide Field LON ▲](#)

FIELD DMY ▶

\* ALIAS DMY

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Combination of Day Month and Year of reading

DESCRIPTION SOURCE

MARIS

DESCRIPTION OF VALUES

Day Month Year

[Hide Field DMY ▲](#)

[Hide Details for object HurrIda\\_Points\\_2021 ▲](#)

[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 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 2022-02-03 08:37:46  
LAST MODIFIED IN ARCGIS FOR THE ITEM 2022-02-03 09:20:20

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes  
LAST UPDATE 2022-02-03 08:40:44

[Hide Metadata Details ▲](#)

## Metadata Contacts ▶

METADATA CONTACT

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

CONTACT INFORMATION ▶

ADDRESS

TYPE physical  
DELIVERY POINT 11691 SW 17th Street  
CITY Miami  
ADMINISTRATIVE AREA FL  
POSTAL CODE 33165  
COUNTRY US

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

## Metadata Maintenance ▶

MAINTENANCE

UPDATE FREQUENCY not planned

[Hide Metadata Maintenance ▲](#)

## Metadata 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.

CONSTRAINTS

LIMITATIONS OF USE

No responsibility is assumed by the National Oceanic and Atmospheric Administration in the use of these data.

[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   HurrIda\_Points\_2021

ENTITY TYPE DEFINITION

Observation Points for Hurricane Ida

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   Id

ATTRIBUTE DEFINITION

Internal Number

ATTRIBUTE DEFINITION SOURCE   ESRI

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

number

ATTRIBUTE

ATTRIBUTE LABEL   FID\_1

ATTRIBUTE DEFINITION

Internal Number

ATTRIBUTE DEFINITION SOURCE   ESRI

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

number

ATTRIBUTE

ATTRIBUTE LABEL DTG

ATTRIBUTE DEFINITION

The valid date and time of the data in UTC.

ATTRIBUTE DEFINITION SOURCE National Hurricane Center

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Date and Time

ATTRIBUTE

ATTRIBUTE LABEL HHMM

ATTRIBUTE DEFINITION

Hour and Minute of reading

ATTRIBUTE DEFINITION SOURCE National Hurricane Center

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Hour and Minute

ATTRIBUTE

ATTRIBUTE LABEL MSLP

ATTRIBUTE DEFINITION

the estimated sea level pressure at the center of a tropical cyclone (the lowest pressure in the system in Millibars)

ATTRIBUTE DEFINITION SOURCE National Hurricane Center

ATTRIBUTE DOMAIN VALUES

RANGE DOMAIN

RANGE DOMAIN MINIMUM 0

RANGE DOMAIN MAXIMUM 1000

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 0

RANGE DOMAIN MAXIMUM 100

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 INTENSITY  
ATTRIBUTE DEFINITION  
the highest 1-minute average wind (at an elevation of 10 meters without an unobstructed exposure) associated with a tropical cyclone at a particular point in time (knots)  
ATTRIBUTE DEFINITION SOURCE National Hurricane Center  
ATTRIBUTE DOMAIN VALUES  
RANGE DOMAIN  
RANGE DOMAIN MINIMUM 0  
RANGE DOMAIN MAXIMUM 300

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

ATTRIBUTE  
ATTRIBUTE LABEL LAT  
ATTRIBUTE DEFINITION  
distance north or south from the equator of the center of the tropical cyclone (decimal degrees)  
ATTRIBUTE DEFINITION SOURCE National Hurricane Center  
ATTRIBUTE DOMAIN VALUES  
RANGE DOMAIN  
RANGE DOMAIN MINIMUM 0  
RANGE DOMAIN MAXIMUM 360

ATTRIBUTE  
ATTRIBUTE LABEL LON  
ATTRIBUTE DEFINITION  
distance east or west on the earth's surface from the prime meridian at Greenwich, England of the center of the tropical cyclone (decimal degrees)  
ATTRIBUTE DEFINITION SOURCE National Hurricane Center

ATTRIBUTE DOMAIN VALUES  
RANGE DOMAIN  
RANGE DOMAIN MINIMUM -360  
RANGE DOMAIN MAXIMUM 0

ATTRIBUTE  
ATTRIBUTE LABEL DMY  
ATTRIBUTE DEFINITION  
Combination of Day Month and Year of reading  
ATTRIBUTE DEFINITION SOURCE MARIS  
ATTRIBUTE DOMAIN VALUES  
UNREPRESENTABLE DOMAIN  
Day Month Year

[Hide Entities and Attributes ▲](#)