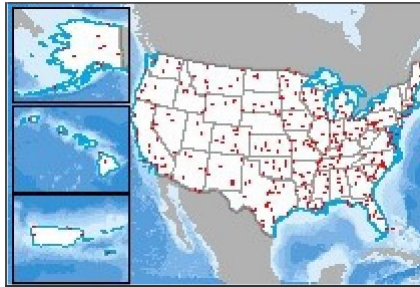


Airfield Runways



Tags

Aviation, NTAD, National Transportation Atlas Database, Transportation, Atlas, Database, Airports, Structures, Airport, Balloonport, Gliderport, Heliport, Seaplane Base, Ultralight, USA, National

Summary

This data provides users with information about the runway locations and attributes for national and regional analysis applications.

Description

The Runway Lines dataset was compiled on July 16, 2020 from the Federal Aviation Administration (FAA) and is part of the U.S. Department of Transportation (USDOT)/Bureau of Transportation Statistics (BTS) National Transportation Atlas Database (NTAD). The Runways database contains runways in the United States and US territories containing information on the physical characteristics of the runways. This data layer contains runways that have corresponding and reported runways ends, and the linear feature of the runway could be created based off these points. The runways in the dataset are associated with the airports dataset on NTAD, showing runways for all official and operational aerodromes. This geospatial data is derived from the FAA's National Airspace System Resource Aeronautical Data.

Credits

Acknowledgment of the Federal Aviation Administration (FAA), and the Bureau of Transportation Statistics (BTS) [distributor].

Use limitations

NTAD datasets are intended for public usage and are not for sale/resale

Extent

West -177.392668 **East** 174.135181
North 71.285083 **South** -14.340688

Scale Range

Maximum (zoomed in) 1:50,000
Minimum (zoomed out) 1:50,000,000

Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE transportation
* CONTENT TYPE Downloadable Data
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No
PLACE KEYWORDS USA, National
THEME KEYWORDS transportation

THESAURUS

TITLE ISO 19115 Topic Category

THEME KEYWORDS NGDA, National Geospatial Data Asset, Transportation

THESAURUS

TITLE NGDA Portfolio Themes

THEME KEYWORDS Aviation, NTAD, National Transportation Atlas Database, Transportation, Atlas, Database, Airports, Structures, Airport, Balloonport, Gliderport, Heliport, Seaplane Base, Ultralight

Citation

TITLE Airfield Runways
PUBLICATION DATE 2023-10-12
PRESENTATION FORMATS digital map
FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data
COLLECTION TITLE National Transportation Atlas Database

Citation Contacts

RESPONSIBLE PARTY
ORGANIZATION'S NAME Federal Aviation Administration (FAA)
CONTACT'S ROLE originator

Resource Details

DATASET LANGUAGES * English (UNITED STATES)
STATUS completed
SPATIAL REPRESENTATION TYPE * vector
PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

CREDITS

Acknowledgment of the Federal Aviation Administration (FAA), and the Bureau of Transportation Statistics (BTS) [distributor].

ARCGIS ITEM PROPERTIES

* NAME airfield_runway_231012_v1

Extents

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -171.5

EAST LONGITUDE -67

NORTH LATITUDE 71.5

SOUTH LATITUDE 18.5

EXTENT CONTAINS THE RESOURCE Yes

EXTENT

DESCRIPTION

compilation date

TEMPORAL EXTENT
DATE AND TIME 2020-07-16

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
* WEST LONGITUDE -177.392668
* EAST LONGITUDE 174.135181
* NORTH LATITUDE 71.285083
* SOUTH LATITUDE -14.340688
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -19747261.488918
* EAST LONGITUDE 19384639.665869
* SOUTH LATITUDE -1613332.006531
* NORTH LATITUDE 11500460.313527
* EXTENT CONTAINS THE RESOURCE Yes

Resource Points of Contact

POINT OF CONTACT

INDIVIDUAL'S NAME Brian Murphy
ORGANIZATION'S NAME Federal Aviation Administration (FAA)
CONTACT'S POSITION Manager, Data Systems Team
CONTACT'S ROLE point of contact

CONTACT INFORMATION

PHONE

VOICE 202-267-4389

ADDRESS

TYPE both
DELIVERY POINT 1305 East-West Highway; SSMC4, Suite 4531
CITY Silver Spring
ADMINISTRATIVE AREA MD
POSTAL CODE 20910
COUNTRY United States
E-MAIL ADDRESS Brian.M.Murphy@faa.gov

Resource Maintenance

RESOURCE MAINTENANCE

UPDATE FREQUENCY unknown

Resource Constraints

CONSTRAINTS

LIMITATIONS OF USE

NTAD datasets are intended for public usage and are not for sale/resale

LEGAL CONSTRAINTS

LIMITATIONS OF USE

Distribution Liability

ACCESS CONSTRAINTS other restrictions

OTHER CONSTRAINTS

unrestricted

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 102100
X ORIGIN -22041257.952553775
Y ORIGIN -30241100
XY SCALE 144148035.48642668
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 3857
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 8.8(9.3.1.2)

Spatial Data Properties

VECTOR

- * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only
- #### GEOMETRIC OBJECTS
- FEATURE CLASS NAME airfield_runway_231012_v1
- * OBJECT TYPE composite
 - * OBJECT COUNT 8129

ARCgis FEATURE CLASS PROPERTIES

FEATURE CLASS NAME airfield_runway_231012_v1

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polygon
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 8129
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

Data Quality

SCOPE OF QUALITY INFORMATION
RESOURCE LEVEL dataset

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY
MEASURE DESCRIPTION
Unknown

DATA QUALITY REPORT - COMPLETENESS OMISSION
MEASURE DESCRIPTION
Data set is considered complete for the information presented, as described in the abstract. Users are advised to read the rest of the metadata record carefully for additional details.

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY
DIMENSION horizontal

MEASURE DESCRIPTION
Unknown

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY
DIMENSION vertical

MEASURE DESCRIPTION
Unknown

Distribution

DISTRIBUTOR

CONTACT INFORMATION

ORGANIZATION'S NAME Bureau of Transportation Statistics
CONTACT'S POSITION NTAD Program Manager
CONTACT'S ROLE distributor

CONTACT INFORMATION

PHONE

VOICE none

ADDRESS

TYPE both

DELIVERY POINT 1200 New Jersey Ave. SE

CITY Washington

ADMINISTRATIVE AREA DC

POSTAL CODE 20590

COUNTRY US

E-MAIL ADDRESS ntad@dot.gov

AVAILABLE FORMAT

NAME Open Data Catalog

VERSION 1.0

SPECIFICATION download

FILE DECOMPRESSION TECHNIQUE ZIP

ORDERING PROCESS

TERMS AND FEES None. No fees are applicable for obtaining the dataset.

TRANSFER OPTIONS

ONLINE SOURCE

LOCATION <https://doi.org/10.21949/1528000>

DISTRIBUTOR

CONTACT INFORMATION

ORGANIZATION'S NAME Bureau of Transportation Statistics
CONTACT'S POSITION NTAD Program Manager
CONTACT'S ROLE distributor

CONTACT INFORMATION

PHONE
VOICE none

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TYPE both
DELIVERY POINT 1200 New Jersey Ave. SE
CITY Washington
ADMINISTRATIVE AREA DC
POSTAL CODE 20590
COUNTRY US
E-MAIL ADDRESS ntad@dot.gov

AVAILABLE FORMAT

NAME AZURE Cloud ArcGIS Server (OGC WMS)
VERSION 1.3.0
SPECIFICATION <https://www.ogc.org/standards/wms>
FORMAT INFORMATION CONTENT OGC WMS Map Service for visualizing geospatial information

ORDERING PROCESS

TERMS AND FEES None. No fees are applicable for obtaining the dataset.

TRANSFER OPTIONS

ONLINE SOURCE
LOCATION <https://doi.org/10.21949/1522266>

DISTRIBUTOR

CONTACT INFORMATION

ORGANIZATION'S NAME Bureau of Transportation Statistics
CONTACT'S POSITION NTAD Program Manager
CONTACT'S ROLE distributor

CONTACT INFORMATION

PHONE
VOICE none

ADDRESS

TYPE both
DELIVERY POINT 1200 New Jersey Ave. SE
CITY Washington
ADMINISTRATIVE AREA DC
POSTAL CODE 20590
COUNTRY US
E-MAIL ADDRESS ntad@dot.gov

AVAILABLE FORMAT

NAME AZURE Cloud ArcGIS Server (OGC WFS)
VERSION 1.0
SPECIFICATION <https://www.ogc.org/standards/wfs>
FORMAT INFORMATION CONTENT OGC WFS Map Service for visualizing geospatial information

ORDERING PROCESS

TERMS AND FEES None. No fees are applicable for obtaining the dataset.

TRANSFER OPTIONS

ONLINE SOURCE

LOCATION <https://doi.org/10.21949/1522260>

DISTRIBUTION FORMAT

- * NAME File Geodatabase Feature Class

Fields

DETAILS FOR OBJECT [airfield_runway_231012_v1](#) ►

- * TYPE Feature Class
- * ROW COUNT 8129

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.

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.

FIELD EFF_DATE

- * ALIAS Effective Date
- * DATA TYPE Date
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD SITE_NO

- * ALIAS Unique Identifying Number
- * DATA TYPE String
- * WIDTH 18
- * PRECISION 0
- * SCALE 0

FIELD SITE_TYPE_CODE

- * ALIAS Site Type Code
- * DATA TYPE String
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD STATE_CODE

- * ALIAS State Abbreviation
- * DATA TYPE String
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD ARPT_ID

- * ALIAS Airport ID
- * DATA TYPE String
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD ARPT_NAME

- * ALIAS Airport Name
- * DATA TYPE String
- * WIDTH 96
- * PRECISION 0
- * SCALE 0

FIELD CITY

- * ALIAS City
- * DATA TYPE String
- * WIDTH 70
- * PRECISION 0
- * SCALE 0

FIELD COUNTRY_CODE

- * ALIAS Country Abbreviation
- * DATA TYPE String
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD OWNERSHIP_TYPE_CODE

- * ALIAS Ownership Type Code
- * DATA TYPE String
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD FACILITY_USE_CODE

- * ALIAS Facility Use Code
- * DATA TYPE String
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD RWY_ID

- * ALIAS Runway ID
- * DATA TYPE String
- * WIDTH 14
- * PRECISION 0
- * SCALE 0

FIELD LAT1_DECIMAL

- * ALIAS Latitude 1
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD LONG1_DECIMAL

- * ALIAS Longitude 1
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD LAT2_DECIMAL

- * ALIAS Latitude 2
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD LONG2_DECIMAL

- ALIAS Longitude 2
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD RWY_LEN

- * ALIAS Runway Length (ft)
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD RWY_WIDTH

- * ALIAS Runway Width (ft)
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD SURFACE_TYPE_CODE

- * ALIAS Surface Type Code
- * DATA TYPE String
- * WIDTH 18
- * PRECISION 0
- * SCALE 0

FIELD COND

- * ALIAS Condition
- * DATA TYPE String
- * WIDTH 18
- * PRECISION 0
- * SCALE 0

FIELD TREATMENT_CODE

- * ALIAS Treatment Code
- * DATA TYPE String
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD PCN

- * ALIAS PCN
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD PAVEMENT_TYPE_CODE

- * ALIAS Pavement Type Code
- * DATA TYPE String
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD SUBGRADE_STRENGTH_CODE

- * ALIAS Subgrade Strength Code
- * DATA TYPE String
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD TIRE_PRES_CODE

- * ALIAS Tire Pressure Code
- * DATA TYPE String
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD DTRM_METHOD_CODE

- * ALIAS Determination Method Code
- * DATA TYPE String
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD RWY_LGT_CODE

- * ALIAS Runway Length Code
- * DATA TYPE String
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD RWY_LEN_SOURCE

- * ALIAS Runway Length Source
- * DATA TYPE String
- * WIDTH 32
- * PRECISION 0
- * SCALE 0

FIELD LENGTH_SOURCE_DATE

- * ALIAS Length Source Date
- * DATA TYPE Date
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD GROSS_WT_SW

- * ALIAS Gross Weight SW
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD GROSS_WT_DW

- * ALIAS Gross Weight DW
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD GROSS_WT_DTW

- * ALIAS Gross Weight DTW
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD GROSS_WT_DDTW

- * ALIAS Gross Weight DDTW
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

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.

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.

OVERVIEW DESCRIPTION

ENTITY AND ATTRIBUTE OVERVIEW

The Runway Lines dataset was compiled on July 16, 2020 from the Federal Aviation Administration (FAA) and is part of the U.S. Department of Transportation (USDOT)/Bureau of Transportation Statistics (BTS) National Transportation Atlas Database (NTAD). The Runways database contains runways in the United States and US territories containing information on the physical characteristics of the runways. This data layer contains runways that have corresponding and reported runways ends, and the linear feature of the runway could be created based off these points. The runways in the dataset are associated with the airports dataset on NTAD, showing runways for all official and operational aerodromes. This geospatial data is derived from the FAA's National Airspace System Resource Aeronautical Data.

ENTITY AND ATTRIBUTE DETAIL CITATION

<https://doi.org/10.21949/1529077>

References

AGGREGATE INFORMATION

ASSOCIATION TYPE larger work citation

AGGREGATE RESOURCE NAME

TITLE National Transportation Atlas Database

PUBLICATION DATE 2023-10-27

RESPONSIBLE PARTY

ORGANIZATION'S NAME Bureau of Transportation Statistics

CONTACT'S ROLE originator

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 2023-08-29

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 2023-10-31

LAST MODIFIED IN ARCGIS FOR THE ITEM 2023-11-28

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2023-11-28

Metadata Contacts

METADATA CONTACT

INDIVIDUAL'S NAME Brian Murphy

ORGANIZATION'S NAME Federal Aviation Administration (FAA)

CONTACT'S POSITION Manager, Data Systems Team

CONTACT'S ROLE point of contact

CONTACT INFORMATION

PHONE

VOICE 202-267-4389

ADDRESS

TYPE both

DELIVERY POINT 1305 East-West Highway; SSMC4, Suite 4531

CITY Silver Spring

ADMINISTRATIVE AREA MD

POSTAL CODE 20910

COUNTRY United States

E-MAIL ADDRESS Brian.M.Murphy@faa.gov