

TIGGE Tropical Cyclone Track Dataset Archive at NCAR

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What –Poster Overview

This poster will highlight the TIGGE Tropical Cyclone Track (TCT) dataset collection hosted by the Research Data Archive (RDA) at NCAR. The TIGGE TCT dataset collection consists of over 350 GB of ensemble model generated tropical cyclone track analysis and forecast products, covering 2006 to the present.

Where –Dataset Landing Page



<https://doi.org/10.5065/D6GH9GSZ>

THORPEX Interactive Grand Global Ensemble (TIGGE) Model Tropical Cyclone Track Data
ds330.3 | DOI: 10.5065/D6GH9GSZ

For assistance, contact Doug Schuster (303-497-1216).

Navigation: Description | **Data Access** | Documentation | Software | Metrics

Help with this page: RDA dataset description page video tour

Data Citations: This dataset has been cited 0 times.

Abstract: This dataset holds all THORPEX Interactive Grand Global Ensemble (TIGGE) tropical cyclone track model analysis and forecast data. Ensemble generated tropical cyclone track data from the European Center for Medium-Range Weather Forecasts (ecmf), United Kingdom Met Office (egrr), National Centers for Environmental Prediction (kwbc), Japan Meteorological Agency (rjtd), China Meteorological Administration (babj), Meteorological Service of Canada (cwao), MeteoFrance (lfpw), and Korea Meteorological Administration (rksl) are included and made available for online access. New data are added to the archive from selected contributors on an ongoing basis.

Temporal Range: 2006-10-01 00:00 +0000 to 2019-03-26 18:00 +0000 (Entire dataset)

Updates: Daily

Usage Restrictions: Usage is restricted to non-commercial, educational and research purposes only.

Variables: Extratropical Cyclone Track | Extratropical Cyclones | Subtropical Cyclones | Subtropical Depression Track | Subtropical Storm Track | Tropical Cyclone Track | Tropical Cyclones

Data Contributors: ECMWF | FR/METEO-FRANCE | KR/KMA | CA/EC/MSC | DOC/NOAA/NWS/NCEP | CN/CMA | UK/MOD/MET | JP/JMA

Related Resources: ECMWF TIGGE web portal, Western Pacific Derived Tropical Cyclone Development and Tracks from Taiwan, The Climate-system Historical Forecast Project (CHFP), International Best Track Climatology Archive for Tropical Cyclone Data, Description of CXML format specification

How to Cite This Dataset: RIS, BibTeX

Total Volume: 353.03 GB (Entire dataset)

Data Formats: CXML

Related RDA Datasets: 824.1 - Global Tropical Cyclone "Best Track" Position and Intensity Data

More Details: View more details for this dataset, including dataset citation, data contributors, and other detailed metadata

Data Access: Click the **Data Access** tab here or in the navigation bar near the top of the page

Metadata Record: Display in [choose from the list] format

Data License: This work is licensed under a Creative Commons Attribution 4.0 International License.

How –RDA User Registration

<https://rda.ucar.edu>

NCAR Research Data Archive
UCAR Computational & Information Systems Lab

Go to Dataset: ann.n

Data User Registration

Registration is free and allows you to access all unrestricted online data in our datasets, as well as restricted data for which you meet additional eligibility requirements. When you submit registration information and sign in to our website, your information is encrypted and sent in secure mode. We will never share your information with a non-UCAR organization. The information you provide is used only to identify you as a unique user of our data archive so that we can provide meaningful usage metrics to our sponsor, the National Science Foundation, and to improve our data services. You may update/edit/correct your information at any time by editing your user profile in the dashboard (you must be signed in). You can access the dashboard from the top of any web page.

Sign-In Information:

*Email Address:

*Confirm Email:

*Password:

*Confirm Password:

User Information:

Title: No selection

*First Name:

Middle Name/Initial:

*Last Name:

*Organization Type: Choose From List

*Organization Name:

*Country: Choose From List

I agree that I have provided accurate information for all of the required fields(*), that my sign-in is for my use only, that I am allowed exactly ONE active sign-in at any time, and that I have read and agreed to the Terms of Use for UCAR Data Repositories

To register for a RDA user account, go to the RDA home page, and click on the **Register Now** link found in the upper left corner of the web page. After submitting the registration form, a verification email will be sent to the email address provided. The recipient will need to click on the link provided in the verification email to complete the registration process.

How –Data Access

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Mouse over the table headings for detailed descriptions

Data Description	Data File Downloads		NCAR-Only Access	
	Web Server Holdings	Globus Transfer Service (GridFTP)	Central File System (GLADE) Holdings	Tape Archive (HPSS) Holdings
Union of Available Products	Web File Listing	Request Globus Transfer	GLADE File Listing	HPSS File Listing
China Meteorological Administration	Web File Listing		GLADE File Listing	HPSS File Listing
European Center for Medium-Range Weather Forecasts	Web File Listing		GLADE File Listing	HPSS File Listing
United Kingdom Met Office	Web File Listing		GLADE File Listing	HPSS File Listing
National Centers for Environmental Prediction (USA) and Meteorological Service of Canada	Web File Listing		GLADE File Listing	HPSS File Listing
MeteoFrance	Web File Listing		GLADE File Listing	HPSS File Listing
Japan Meteorological Agency	Web File Listing		GLADE File Listing	HPSS File Listing
Korea Meteorological Administration	Web File Listing		GLADE File Listing	HPSS File Listing

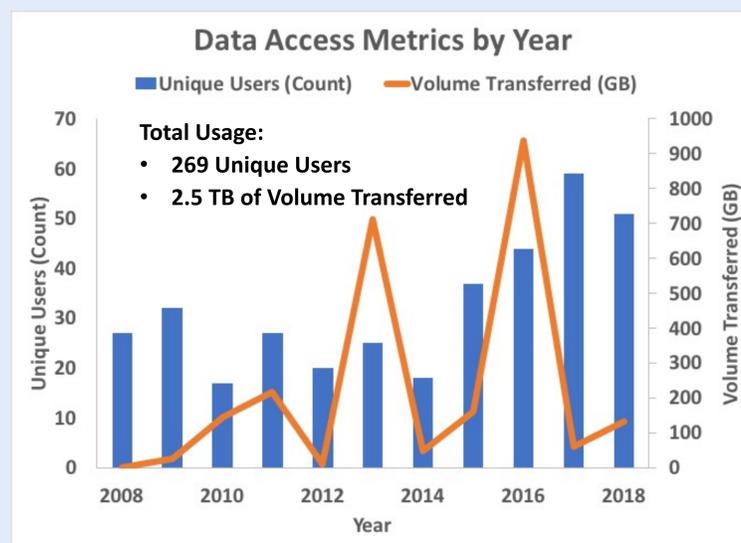
Diagram: A (fast, reliable) → secure transfer → B (Globe icon)

Click on the **Data Access** tab at the top of the dataset homepage to view data access options. Data access is provided through standard web download and Globus (<https://www.globus.org>) GridFTP transfer capabilities.

It is strongly recommended to use the Globus service for large, bulk data transfers. Please follow the steps under the "Request Globus Transfer" link to use the Globus transfer service. Users will need to install and run the freely available Globus Connect Personal (<https://www.globus.org/globus-connect-personal>) client on their local server to support Globus based transfers.

All products are provided in standard Cyclone XML (CXML) structured data files. An overview of the CXML format and example read programs are provided by the Australian Bureau of Meteorology (<http://www.bom.gov.au/cyclone/cxmlinfo>), and are also available under the **Documentation** and **Software** tabs of the dataset home page.

Historical Dataset Usage



About the Research Data Archive (RDA) at NCAR

The Research Data Archive (RDA; <https://rda.ucar.edu>) at the National Center for Atmospheric Research (NCAR; <https://ncar.ucar.edu/>) provides open access to a large and diverse collection of meteorological and oceanographic observations, operational and reanalysis outputs, and remote sensing datasets to support atmospheric and geoscience research. The RDA contains more than 600 dataset collections which support the varying needs of a continually growing and diverse user community. During 2018, 14,000 unique users downloaded over 2.8 petabytes of data from the RDA, and customized data products were prepared for more than 57,000 user-driven requests.