

Resource Summary Report

Generated by RRID on Aug 15, 2026

The Geoscience Data Exchange

RRID:SCR_026989

Type: Tool

Proper Citation

The Geoscience Data Exchange (RRID:SCR_026989)

Resource Information

URL: <https://gdex.ucar.edu/>

Proper Citation: The Geoscience Data Exchange (RRID:SCR_026989)

Description: Provides data for atmospheric and ocean sciences research. Contains collection of meteorological, atmospheric composition, and oceanographic observations, and operational and reanalysis model outputs, integrated with NSF NCAR High Performance Compute services to support atmospheric and geosciences research. The RDA is managed by the Data Engineering and Curation Services group of the Computational and Information Systems Laboratory at the NSF National Center for Atmospheric Research.

Abbreviations: GDEX

Synonyms: , NSF NCAR Research Data Archive, NCAR repository, National Center for Atmospheric Research repository

Resource Type: storage service resource, service resource, data repository

Keywords: atmospheric and ocean sciences data, meteorological, atmospheric composition, oceanographic observation, atmospheric and geosciences research,

Funding: National Science Foundation

Availability: Free, Freely available

Resource Name: The Geoscience Data Exchange

Resource ID: SCR_026989

Alternate URLs: <https://rda.ucar.edu>

Record Creation Time: 20250528T060713+0000

Record Last Update: 20260815T183257+0000

Ratings and Alerts

No rating or validation information has been found for The Geoscience Data Exchange.

No alerts have been found for The Geoscience Data Exchange.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Martineau P, et al. (2026) Projected and historical amplification of moisture fluxes towards Antarctica by synoptic eddies. NPJ climate and atmospheric science, 9(1), 127.

Cai Z, et al. (2026) Role of Atlantic multidecadal variability in modulating Arctic sea ice loss and wetting. Science advances, 12(13), eady7595.

Zhao H, et al. (2024) Vegetation Restoration Increases the Drought Risk on the Loess Plateau. Plants (Basel, Switzerland), 13(19).

Wang J, et al. (2023) Variations of Supercooling Capacity in Intertidal Gastropods. Animals : an open access journal from MDPI, 13(4).

Ferdoushi Z, et al. (2023) Active and break spells of summer monsoon over Bangladesh. Heliyon, 9(10), e20347.

Wang Y, et al. (2023) Evolution law of atmospheric boundary layer in Gurbantünggüt Desert based on reanalysis dataset and in situ observation data. Heliyon, 9(3), e14147.

Fasullo JT, et al. (2023) A multiyear tropical Pacific cooling response to recent Australian wildfires in CESM2. Science advances, 9(19), eadg1213.

Minganti D, et al. (2022) Evaluation of the N₂O Rate of Change to Understand the Stratospheric Brewer-Dobson Circulation in a Chemistry-Climate Model. Journal of geophysical research. Atmospheres : JGR, 127(22), e2021JD036390.

Chen Y, et al. (2020) COVID-19 Pandemic Imperils Weather Forecast. Geophysical research letters, 47(15), e2020GL088613.