UNAVCO
RRID:SCR_006706
Type: Tool

Proper Citation

UNAVCO (RRID:SCR_006706)

Resource Information

URL: http://www.unavco.org/

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Description: A non-profit university-governed consortium that facilitates geoscience research and education using geodesy. It provides access to and submission of Geodetic GPS / GNSS Data, Geodetic Imaging Data, Strain and Seismic Borehole Data, and Meteorological Data. Data access web services/API provides the ability to use a command line interface to query metadata and obtain URLs to data and products. UNAVCO also provides a variety of software, including web applications, and desktop utilities for scientists, instructors, students, and others. Web-based data visualization and mapping tools provide users with the ability to view postprocessed data while web-based geodetic utilities provide ancillary information. Downloadable stand-alone software utilities include applications for configuring instruments, managing data collection, download and transfer, and performing computations on the raw data, e.g., data pre-processing or processing. The UNAVCO Facility in Boulder, Colorado is the primary operational activity of UNAVCO and exists to support university and other research investigators in their use of geophysical sensor technology for Earth sciences research. The Facility performs this task in part by archiving GNSS/GPS data and data products for current and future applications. Other data types that scientists use for Earth deformation studies are also held in the UNAVCO Archive collections. UNAVCO operates a community Archive, which provides long-term secure storage and easy retrieval of GNSS data, strain data, various derived products and related metadata. The Archive primarily stores high-precision geodetic data used for research purposes, collected under National Science Foundation and NASA sponsored projects. UNAVCO provides many learning opportunities including: Short Courses and Workshops, Educational Resources, RESESS Research Student Internships, and Technical Training.

Abbreviations: UNAVCO
Synonyms: University NAVSTAR Consortium

Resource Type: portal, data or information resource, organization portal, consortium

Keywords: gps, geodesy, motion, rock, ice, water, earth surface, gnss, geoscience, geophysical survey, geophysical observatory, geophysical instrument, earth sciences, global positioning system, data archive, geology, geological mapping

Funding Agency: NSF, NASA

Availability: The community can contribute to this resource

Resource Name: UNAVCO

Resource ID: SCR_006706

Alternate IDs: nlx_154719, grid.239102.b, ISNI: 0000 0004 0505 9642, Wikidata: Q7865191

Alternate URLs: https://ror.org/02n9tn974

Ratings and Alerts

No rating or validation information has been found for UNAVCO.

No alerts have been found for UNAVCO.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 23 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.


Premus J, et al. (2022) Bridging time scales of faulting: From coseismic to postseismic slip of the Mw 6.0 2014 South Napa, California earthquake. Science advances, 8(38), eabq2536.


Madrid Seismic Zone. Nature communications, 8(1), 2143.