

CDDIS is located in building 34, at NASA's Goddard Space Flight Center in Greenbelt, Maryland



National Aeronautics and
Space Administration



NASA's Crustal Dynamics Data Information System (CDDIS)

Space Geodesy, Solid Earth

CDDIS is NASA's data archive and information service supporting the international space geodesy community for over 30 years. CDDIS is part of the Solar System Exploration Division at NASA's Goddard Space Flight Center in Greenbelt, MD. CDDIS serves as one of the core components for the geometric services established under the International Association of Geodesy (IAG), an organization that promotes scientific cooperation and research in geodesy on a global scale.

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- CDDIS provides continuous, long term, public access to the data required for a variety of science observations, including the determination of a global terrestrial reference frame and geodetic studies in plate tectonics, earthquake displacements, volcano monitoring, Earth orientation, and atmospheric angular momentum, among others.
- CDDIS distributes data and derived products from, and information about, a global network of observing stations equipped with one or more of the following measurement techniques:
 - Global Navigation Satellite System (GNSS)
 - Satellite Laser Ranging (SLR) and Lunar Laser Ranging (LLR)
 - Very Long Baseline Interferometry (VLBI)
 - Doppler Orbitography and Radiopositioning Integrated by Satellite (DORIS)



A global navigation satellite system (GNSS) is a type of satellite navigation that provides global coverage. A GNSS is defined by a constellation of orbiting satellites working together with a network of ground control stations and receivers that calculate ground positions.

More than 16 terabytes in the CDDIS archive at the end of FY2018. More than 348 million data files distributed during FY 2018.



CDDIS

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