



Supporting GGOS Science through the Crustal Dynamics Data Information System

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The Crustal Dynamics Data Information System (CDDIS) is NASA's active archive for space geodesy data, products, and information. The system has provided data archiving and distribution support to a global research community for over thirty years. The CDDIS archive consists of GNSS, laser ranging, VLBI, and DORIS data sets and products derived from these data. The system is supported through NASA's Earth Observing System Data and Information System (EOSDIS) and is one of its distributed data centers, serving a wide, diverse user community. The CDDIS is a key data center supporting the geometric services of the International Association of Geodesy and therefore will be an active participant in the Global Geodetic Observing System (GGOS).

The CDDIS has recently developed new capabilities to help users with data discovery. The CDDIS has completed enhancements to its implementation of the Geodetic Seamless Archive Centers (GSAC), a capability utilizing web services for data discovery within and across participating archives. Furthermore, the CDDIS has increased its archiving capabilities in several areas. The CDDIS has expanded its archive to support the IGS Multi-GNSS Experiment (MGEX). The archive now contains daily and hourly 30-second and sub-hourly 1-second data from an additional 45+ stations in RINEX V3 format. The CDDIS will soon install an Ntrip broadcast relay to support the activities of the IGS Real-Time Pilot Project (RTPP) and the future Real-Time IGS Service.

This poster will include background information about the system and its user communities, archive contents and updates, enhancements for data discovery, new system architecture, and future plans.