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CDDIS Data Center: An Update

The Crustal Dynamics Data Information System (CDDIS) supports data archiving and distribution activities for the space geodesy and geodynamics community. The archive consists of laser ranging, GNSS, VLBI, and DORIS data sets and products derived from these data. The CDDIS data system is a key component in several of the operational services within the International Association of Geodesy (IAG) and the Global Geodetic Observing System (GGOS), including the ILRS, the International GNSS Service (IGS), the International VLBI Service for Geodesy and Astrometry (IVS), and the International DORIS Service (IDS), as well as the International Earth Rotation and Reference Systems Service (IERS). With the influence of space geodesy data and their derived products in scientific studies over the last decade, CDDIS has seen its ingest volume explode to over 30 million files per year or more than one file per second from over hundreds of simultaneous data providers. In order to accommodate this increase and to streamline operations, CDDIS has recently performed a significant computer system upgrade requiring updates to the data upload and distribution architecture. This poster will include background information about the system and its user communities, archive contents, and information about these updates and enhancements to the CDDIS.