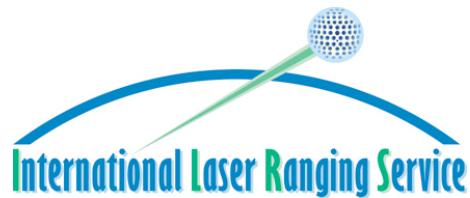


CDDIS OVERVIEW

Carey Noll
Manager, CDDIS
NASA GSFC
Greenbelt, MD USA

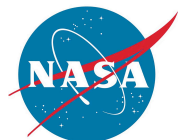
June 30, 2004



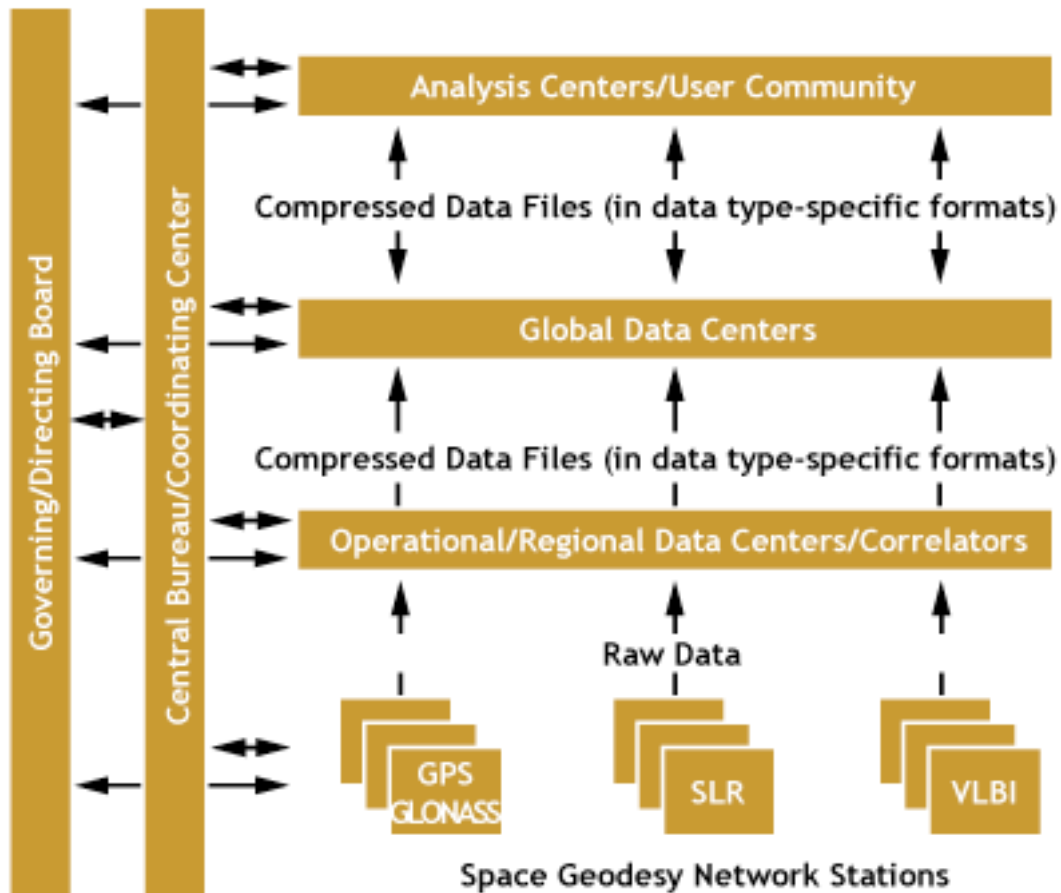


CDDIS OVERVIEW

- ◆ The CDDIS is a dedicated data center supporting the international space geodesy community, providing easy and ready access to a variety of data sets, products, and information about them
- ◆ The specialized nature of the CDDIS lends itself well to enhancement to accommodate diverse data sets and user requirements
- ◆ CDDIS serves as one of the primary data centers for the following International Association of Geodesy (IAG) services:
 - International GPS Service (IGS) and its working groups and pilot projects
 - International Laser Ranging Service (ILRS)
 - International VLBI Service for Geodesy and Astrometry (IVS)
 - International DORIS Service (IDS)
 - International Earth Rotation Service (IERS)



DATA FLOW FOR IAG SERVICES



Network Stations

- Continuously operational
- Timely flow of data

Data Centers

- Interface to network stations
- Perform QC and data conversion activities
- Archive data for access to analysis centers and users

Analysis Centers

- Provide products to users (e.g., station coordinates, precise satellite orbits, Earth orientation parameters, atmospheric products, etc.)

Central Bureau

- Management of service
- Facilitate communications
- Coordinate activities

Governing Body

- General oversight of service
- Future direction





CDDIS OVERVIEW

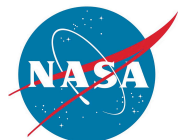
- ◆ Majority of CDDIS data holdings are accessible via anonymous ftp and web
- ◆ CDDIS operational on dedicated computer facility located at NASA GSFC
- ◆ CDDIS computer hosts web sites for the CDDIS, the ILRS, and several 920 facilities
- ◆ In 2003, the CDDIS averaged a download of nearly 60M files and over 450 Gbytes per month
- ◆ Users in over 100 countries accessed and downloaded data from the CDDIS in 2003
- ◆ Over 200 users access the CDDIS on a daily basis to download data
- ◆ Over 130 institutions in over 60 countries supply data to the CDDIS on a daily basis for archival and distribution to the international user community



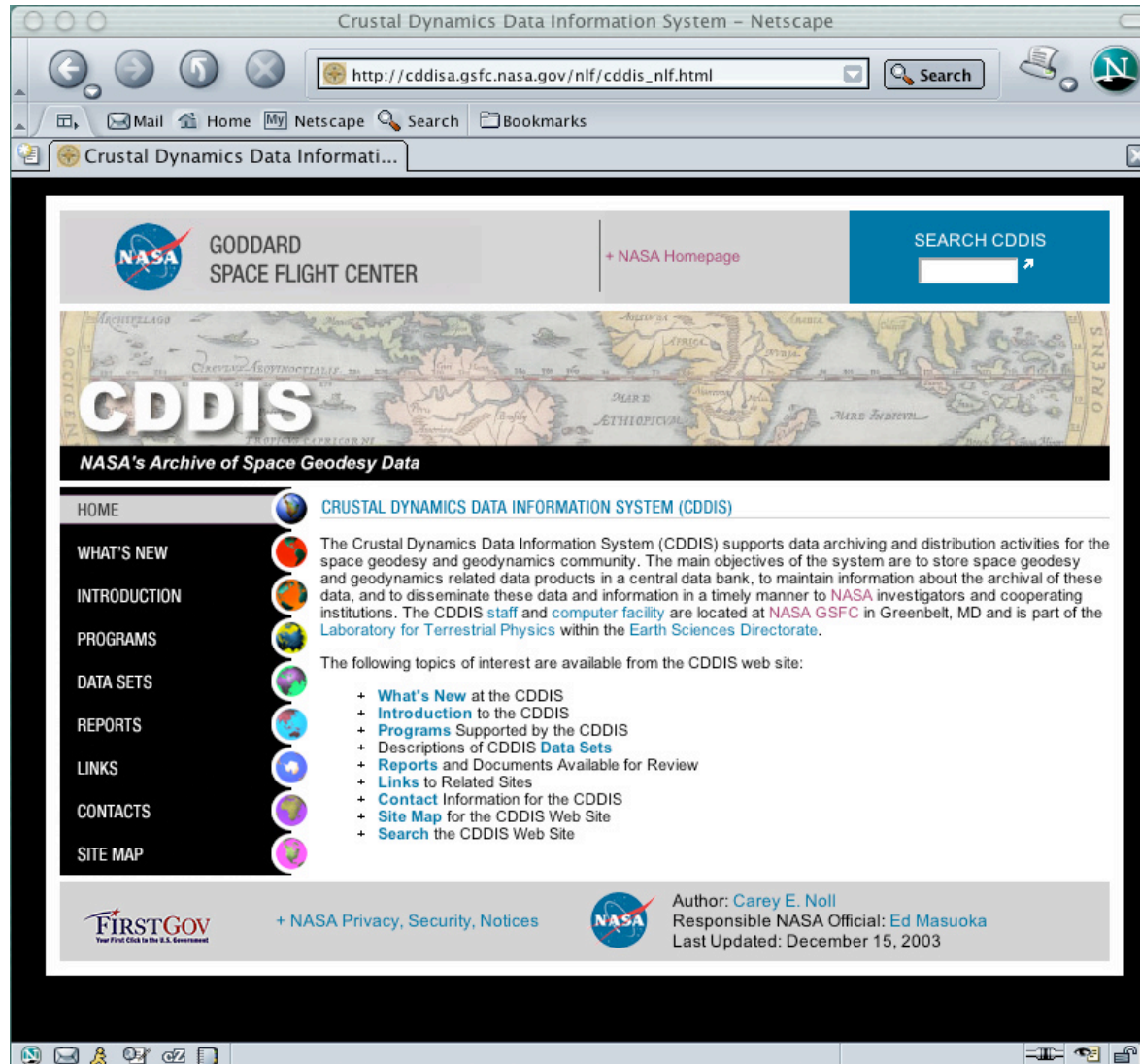
A historical map of the Americas, showing North and South America with various geographical labels and a grid of latitude and longitude lines. The map is overlaid with a yellow banner at the top containing the text 'CDDIS FUTURE PLANS'.

CDDIS FUTURE PLANS

- ◆ A new LINUX-based computer system and backup server were purchased in 2003 to replace the current CDDIS UNIX server
- ◆ New system has been configured with nearly 3 Tbytes of RAID disk space
- ◆ A dedicated tape backup system was also procured
- ◆ System should be operational as the main CDDIS on-line server in mid-2004
- ◆ The CDDIS web site will also be redesigned in 2004 to reflect the "NASA Look-and Feel"



CDDIS WEBSITE REDESIGN





◆ Contact:

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