

CDDIS Update

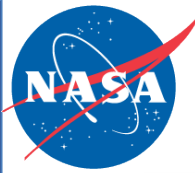
Web Applications

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CDDIS Site Log Viewer



- Each of the IAG's geometric services has implemented a "site log" that is a key source for understanding how the station's configuration has changed over time
- The CDDIS developed the Site Log Viewer web app to allow users to browse the contents of the contents of these site logs
- Use Cases:
 - Users need to query the logs for a particular system to understand station configuration
 - Users need to determine which sites have equipment with a particular configuration
- Through the SiteLogViewer application, users can:
 - Display a complete site log, section by section
 - Display contents of all site logs for a specified topic (site log section)
 - Search the contents of all site logs for a specified parameter value
- Automated procedures download and ingest IDS, IGS, and ILRS site logs into a database supporting the application; IVS site logs will be added soon
- <http://cddis.gsfc.nasa.gov/SLV2/network/QuerySiteLogs.action>

- The initial page of the SiteLogViewer application displays a list of system types/services
- The user first selects a technique/service. Once selected (e.g., IDS/DORIS) the map is populated with the locations of all IDS DORIS sites archived at the CDDIS.
- Two tabs are available:
 - View Complete Site Logs -- view a full site log (all sections) for one site
 - Query Site Logs -- view one section of all site logs; this option also allows the user to search the contents of one section of all site logs for a specified parameter value
- In this example, the user selects a site from the map/drop down menu (e.g., Greenbelt, MD).
- The resulting page shows three tabs for the GGAO site:
 - A list of sections found in the site log on the left, with the contents of the highlighted section on the right.
 - A zoom-able map of the selected site's location
 - A collection of images of the station and surroundings.

The CDDIS Site Log Viewer application allows users to query the site description/configuration logs for services within the [International Association of Geodesy \(IAG\)](#). At this time, logs from the [International Laser Ranging Service \(ILRS\)](#), the [International DORIS Service \(IDS\)](#) and the [International GNSS Service \(IGS\)](#) network sites are accessible.

Note: Logs from the [International VLBI Service for Geodesy and Astrometry \(IVS\)](#) will be available for browsing soon.

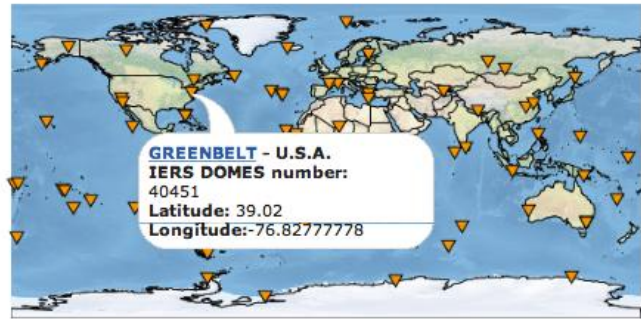
To learn more about the utility please consult the [FAQ](#).

1. Site Log Type

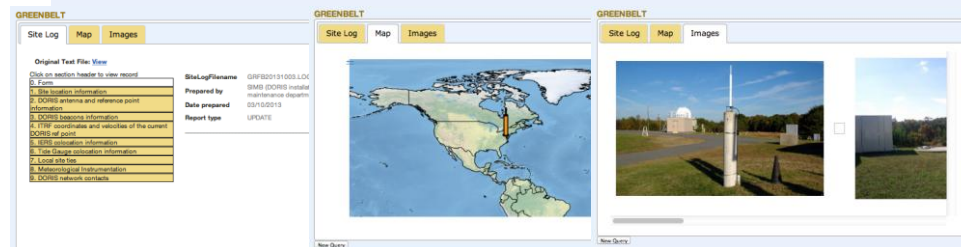
GNSS (IGS) SLR (ILRS) DORIS (IDS) VLBI (IVS)

2. Select site from map or list to view complete site log, or 'Search logs' for information from all site logs

View complete site log for a single site Search logs across multiple sites



Site: Show



GREENBELT

Site Log Map Images

Original Text File: View

Click on section header to view report

0. Form

1. Site location information

2. DORIS antenna and reference point information

3. DORIS logbook information

4. ITRF coordinates and velocities of the current DORIS antenna

5. DORIS configuration information

6. Time domain statistical information

7. Local site log

8. Meteorological information

9. DORIS network contacts

Site LogFilename: GPRD0131003.LOC

Prepared by: BMS DORIS mobile maintenance department

Date prepared: 03/15/2013

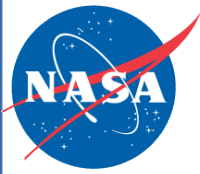
Report type: UPDATE

Site Log Map Images

Site Log Map Images



CDDIS Archive Explorer



- The CDDIS Archive Explorer is a search/metadata interface tool for CDDIS to:
 - Aid users in discovery of CDDIS data, products, and information
 - Aid staff in archive management
 - Promote CDDIS data holdings to a larger community (e.g., through metadata standards)
- Users can specify (any/all):
 - Temporal: Year, date/time, range
 - Spatial: Region, latitude/longitude, range
 - Target: Satellite (SLR, DORIS)
 - Designation: Station name/number/code/DOMES number (future)
- Results:
 - Map of sites satisfying specifications
 - List of sites satisfying specifications
 - List of data holdings satisfying specifications (future)
 - Metadata relevant to selection
 - Site log for site selection
- Application expected to be available through the CDDIS website in June 2015

- The initial page of the data discovery application displays a list of system types (GNSS, SLR, DORIS, VLBI), a spatial specification window to allow the user to enter spatial subsetting through a map interface or a bounding box, and a temporal specification window to allow the user to specify date range.
- In this example, the user specifies a query for global DORIS data holdings for SARAL for the January 2015.
- The results show a list of sites; the site in Greenbelt is highlighted on the map and in the list below.
- By selecting the View button, contents of the DORIS site log for Greenbelt can be displayed, section by section.

Data Type: GNSS SLR DORIS VLBI

DORIS Satellites: SARAL

Temporal Search: Start Date: 01/01/2015 End Date: 01/31/2015

Spatial Search:

North: 90.00 West: -179.65 East: 179.65 South: -90.00

Search Results: 52 sites found

View	Site ID	Satellite	Site Name	Longitude	Latitude	Site ID	Country	State	Start Date
<input type="button" value="View"/>	FUUB	SARAL	Futuna	-14.31	-178.12	929025003	France		2015-01-28
<input type="button" value="View"/>	GR4B	SARAL	Grasse	43.75	6.92	100025019	France		2015-01-02
<input type="button" value="View"/>	GRFB	SARAL	Greenbelt	39.02	-76.83	404515178	USA	MD	2015-01-02
<input type="button" value="View"/>	HBMB	SARAL	Hartebeesthoek	-25.89	27.69	303025008	South Africa		2015-01-02
<input type="button" value="View"/>	HEMB	SARAL	Sainte-Helene	-15.95	-05.67	306065004	United Kingdom		2015-01-02
<input type="button" value="View"/>	JNB	SARAL	Jiufeng	30.52	114.49	216025006	China		2015-01-02

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Note: Logs from the International VLBI Service for Geodesy and Astronomy (IVS) will be available for browsing soon.

To learn more about the utility please consult the [FAQ](#).

1. Site Log Type
 GNSS (IGS) SLR DORIS (IDS) VLBI (IVS)

2. Select site from map or list to view complete site log, or 'Search logs' for information from all site logs

Section: (6. Tide Gauge collocation information)

Query Results For: 6. Tide Gauge collocation information - Show All

Site Name	Site ID/Name	Substation Number	Name
TERRE ADELIE	ADG020130411.LOG	6.1	Dumont d'Urville
ASCENSION	ASE020130109.LOG	6.1	Assomption Is.
BETPO	BET020130815.LOG	6.1	Betapo
CHATHAM ISLAND	CHI020130411.LOG	6.1	Chatham Island
COLONBO	COL02030610.LOG	6.1	Colombo
CROZET	CRO020130129.LOG	6.1	Crozet
DAKAR	DAK020107107.LOG	6.1	Dakar
DIBOUTI	DIB020130129.LOG	6.1	Dibouti
FASTER ISLAND	FAS020130111.LOG	6.1	Passive Is.
SALAPAGOS	SAL02020515100	6.1	Salis
GAUVOS	GAU020130130.LOG	6.1	Katibe
GUAM	GU02020507100	6.1	Alpa harbour
ST HELENA	HEM020130129.LOG	6.1	St Helena