Abstract: The CDDIS has developed the Site Log Viewer application to allow users to query the site description/configuration logs for services within the International Association of Geodesy (IAG). As part of their ILS operational compliance, stations in the ILS network complete and update official site logs that describe the systems configuration, environment, and contact information. These logs are also accessible on the individual station pages and now through the new web application, the Site Log Viewer (SLV). The SLV provides an enhanced display and comparison of the contents of the ILS site logs. Through the SLV application, users can display and browse through a complete site log section by section, display contents of one section for all site logs, or search the contents of one section of a site log for a specified parameter value. An enhanced version of the SLV is available through the CDDIS website, users can browse logs from stations in the networks of the ILS, International DORIS Service (IDS) and the International GNSS Service (IGS); logs from sites in the International VLBI Service for Geodesy and Astrometry (IVS) will be accessible through the application in the future. This poster will describe the application and provide examples of its use.

Background -- Station Site Logs:

- Accurate, consistent information about the stations in the ILS network is vital for data analysis
- Each station's ILS Site Log is a formatted ASCII text description of the station's location, environment, equipment, co-located instrumentation, and organization/contact information.
- Station personnel report changes in the system's configuration, etc. by adding information to the log.
- Thus the form serves as a historical collection of major changes during the lifetime of a system's installation.
- Each station's site log form is a key source for understanding how the station's configuration has changed over time.
- The CDDIS has developed an application for the enhanced display and comparison of the contents of these site logs.
- The ILRS version of the SLV is available through the CDDIS website, providing access to ILS logs only. Through an expanded version of the application on the CDDIS website, users can browse logs from stations in the networks of the ILS, International DORIS Service (IDS) and the International GNSS Service (IGS); logs from sites in the International VLBI Service for Geodesy and Astrometry (IVS) will be accessible through the application in the future. This poster will describe the application and provide examples of its use.

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.
- The CDDIS has developed an application, the Site Log Viewer, for the enhanced display and comparison of the contents of these site logs.
- An ILS only version is available through the SLV website.
- An enhanced version that displays site log contents for IGS, IDS, and ILS logs, in addition to the ILS logs, is available through the CDDIS website.
- Through the Site Log Viewer 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.

The ILRS Website's Site Log Viewer Application

The CDDIS has developed an application for the enhanced display and comparison of the contents of these site logs. Users need to query the logs for a particular system to understand station configuration. An ILS only version is available through the SLV website. An enhanced version that displays site log contents for IGS, IDS, and ILS logs, in addition to the ILS logs, is available through the CDDIS website.

Through the Site Log Viewer 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.

The initial page of the Site Log Viewer application displays the two selection options. Here the user next selects to view a particular section (“Time and Frequency Standard”) from all site logs.

The resulting page lists the “Time and Frequency Standards” section from all site logs in a scrollable display. The display scrolls vertically for all sites and horizontally for fields within the “Time and Frequency Standards” section of the site log.

A general version of the Site Log Viewer available on the CDDIS website, allows users to browse IGS, ILRS, and IDS site logs; ILS logs will be added in a future version.

The query then results in a page that lists the fields within the “Aircraft Detection” section of the site log for only those sites specifying a radar as the method for aircraft detection. Pressing the “Get CSV” button will create a file of these results in comma-separated values format for use in other applications (e.g., Excel, etc.). Once the user selects the type of site log, in this case IDS/DORIS site logs, a map of all sites is shown. The user selects a particular site (Greenbelt). The user can display the contents of the IDS site log by section.

After returning to the Site Log Viewer application’s main page, the user opts to view the full site log for GODL (MOBLAS-7 at Greenbelt, MD).

The resulting page shows the location of the selected site on a zoom-able map and a picture of the station. The bottom half of the page lists the contents of that section on the right. The user can then select one of the sections to view the contents in a scrollable window. To view another site log or view a section of all logs, the user then presses the “New Query” button.

After displaying the log for a site, a series of tabs allows the user to view an enlarged map showing the site location or any available photos.