

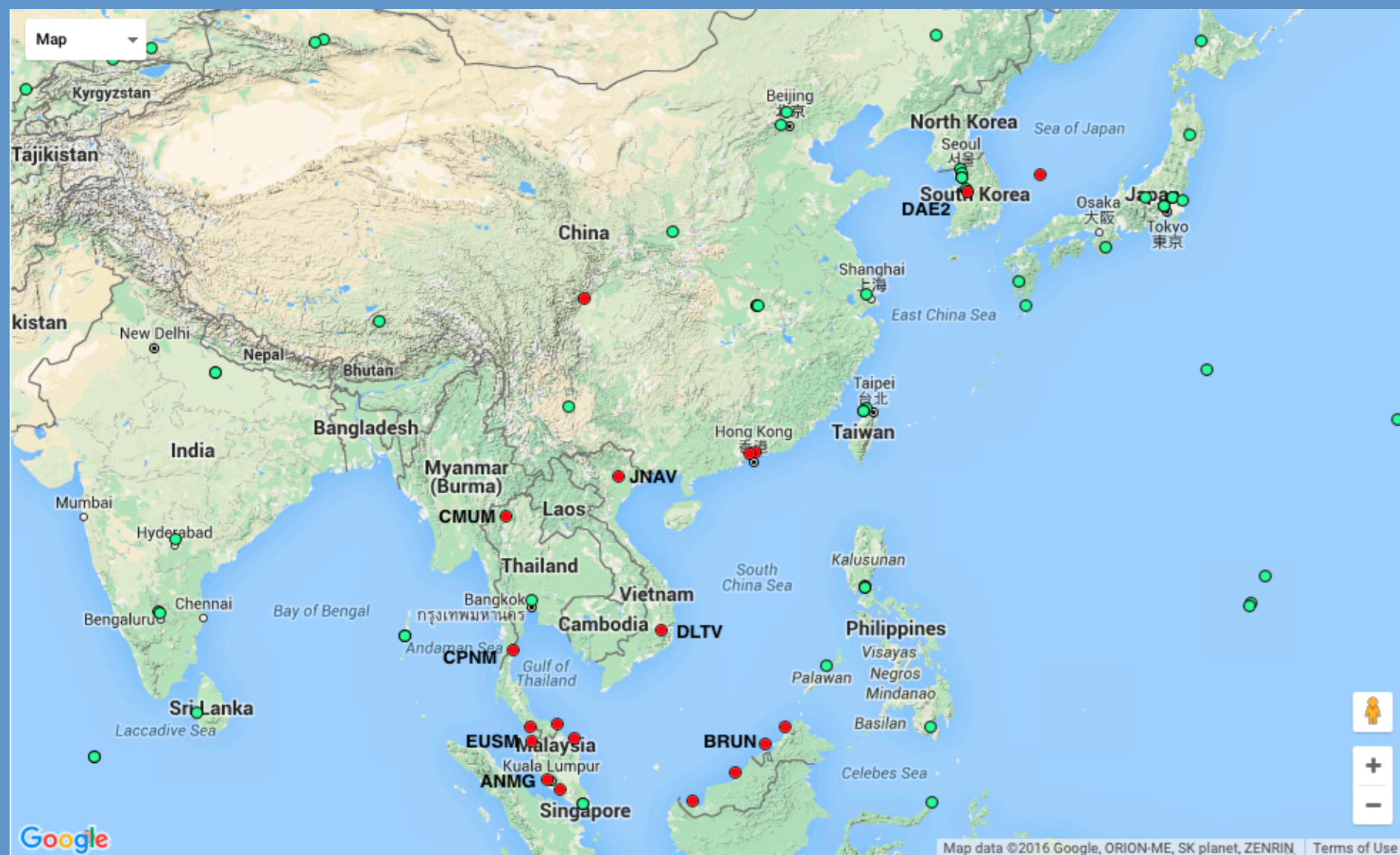
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Introduction

The IGS Central Bureau, with technical and software support from UNAVCO, has developed an on-line browser-based user interface tool for managing station metadata called the Site Log Manager. The Site Log Manager has an underlying MySQL database management system. This database provides many benefits over storing the station metadata in text files. The tool provides an efficient way for users to submit site log updates and for the Central Bureau to quickly review and approve the changes. The Site Log Manager has about 75 registered users. During 2015 there were about 450 site log updates.

Station Proposals

The SLM allows Central Bureau staff to build maps of proposed stations with existing stations to help evaluate new stations. It also allows for comparison of site logs and RINEX headers.



IGS Network Summary

The information in the Site Log Manager database is represented on the IGS network page shown on the right. The network page allows the user to customize the displayed fields. There is also a network filter to show multi-GNSS stations, proposed stations or real-time stations. The search box directly above the table allows the user to search across all fields. There are options to export the metadata to CSV, Excel, or PDF formats. Upon selecting a station ID it will load an individual station page. The individual station pages load QC information from the SLM. The QC information is obtained from the CDDIS status files.

Site	Network(s)	City	Country	Agency	Lat	Long
BADG	IGS	Badary	Russian Federation	IAA	51.7694444	102.23472
DARW	IGS	Darwin	Australia	GA	-12.8436111	131.13252
LCK3	IGS	Lucknow	India	ISRO	26.9119444	80.95555
LCK4	IGS	Lucknow	India	ISRO	26.9119444	80.95555
NIST	IGS	Boulder	United States	NIST	39.9950000	-105.26250

In the coming year the Site Log Manager will need to be updated to accommodate the nine character station codes that are needed for RINEX3. The Site Log Manager will also need to be updated for the IGS XML interoperability project.

Site Log Updates Using the SLM

Users will first sign in to the SLM using their account credentials. After authentication, users will only see a list of stations assigned to their account. From the station menu, select the station of interest and then a second menu will appear showing the different titled sections of the site log. Then select a section of the site log you wish to view or edit. A third panel will then appear showing the current information for that section. If a new record needs to be added, click the plus sign in the upper right corner for adding a new record. The user also has the option to upload an ASCII site file into the site log manager database. Click the upload button in the menu bar to upload an updated site log.

After all necessary changes have been entered, the user can then click View/Diff button in the menu bar. This will bring up two panels of data. The left column shows the new proposed site log. The right column shows all the values that were updated. The old values are in red and the new values are in green. The site log manager automatically checks for and flags routine errors. In the left menu red error badges indicate an error or required field is missing. Amber badges indicate a preferred field remains empty and yellow indicates a modified field. To submit the site log to the CB, click the submit button in the menu bar. An email will be sent to CB staff to review and approve the site log submission. Upon approval, an acknowledgement email will be sent back to the user and the site log will be posted to the CB FTP site.