



A new ITRF web site based on GIS application

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Since the early eighties, IGN, hosting the ITRF product center, has maintained a database archiving site information where space geodesy techniques are operating. This database currently contains up to 2700 sites and more than 2900 points with DOMES numbers as a unique identification. This database can be consulted on line at <http://itrf.ensg.ign.fr>.

The current tools have been upgraded thanks to a cartographic server. A GIS application devoted to this database query has been developed thanks to mapserver software.

This tool can be used for:

- Education purpose: The maps of the different ITRF versions can be displayed with a simple click. Technique by technique maps are available as well as the full network map, with or without ITRF velocities in any ITRF since ITRF96.
- Database query: The site/point information is easily displayed. Point description, point acronyms and tie information on the site are notably available.
- Point selection: The request of ITRF coordinates is simplified by a graphical points selection tool. Coordinates at any epoch can be computed and exported in full SINEX files (or simple table) in any ITRF version where point coordinates have been computed.