

3.5.5 ITRS Centre

This report summarizes briefly the activities of the IERS ITRS Centre during the year 2005.

The main activities of the ITRS Centre during the year 2005 are:

- Re-adjustment of surveys in co-location sites
- Maintenance of the IERS network
- Preparation for the ITRF2005

Re-adjustment of surveys in co-location sites

The ITRS Centre has undertaken the initiative to animate the activity related to the reanalysis of available new and/or old surveys data of the ITRF co-location sites with the aim to generate SINEX files of local ties with full variance-covariance information. Starting with the available survey data at IGN, the ITRS Centre generated full SINEX files for approximately all DORIS co-located sites, using Geolab adjustment software. These SINEX files as well as other files made available by other groups (INA and CGS, Italy; BKG, Germany and Geoscience Australia) are posted at the ITRS Web site.

Maintenance of the IERS network

This activity includes update of the IERS network database in terms of new sites and stations, assignment of DOMES numbers, local ties, availability of IERS network information and ITRF products on the web and ftp server, as well as assisting the ITRF users for a proper use of ITRF products.

Moreover, a new ITRS Web site was developed and it is now open to the ITRF users: <<http://itrf.lareg.ensg.fr>>. This new Web site allows the users to interactively:

- retrieve site information
- on-line request DOMES number assignment
- select positions (at any epoch) and velocities in any ITRF version for any sub-set of stations, in SINEX or/and table list.

Preparation for the ITRF2005

See the IGN ITRS Combination Centre report (Section 3.6.1.2).

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