

3.5.5 ITRS Centre

This report summarizes the activities of the IERS ITRS Centre during the year 2004.

The main activities of the ITRS Centre during the year 2004 are:

- Surveys of co-location sites
- Relation with IGS
- Maintenance of the IERS network

Surveys of co-location sites

The Institut Géographique National participated on complete surveys of the following co-location sites:

- Hartebeesthoek, South Africa, comprising the 4 techniques: VLBI, SLR, GPS and DORIS
- Shanghai, China, comprising 3 techniques: VLBI, SLR and GPS
- Wuhan, China, comprising 3 techniques: VLBI, SLR and GPS

For each one of the above 3 sites, 3 IGN surveyors participated in the survey. The total cost of these 3 surveys is around 100 K-Euros.

Relation with the IGS

The ITRS Centre contributes to specifications for ITRF densification, initiated by the IGS for its part (regional solutions of weekly permanent GPS station positions). Work is still in progress for evaluation/comparison of the different proposed densification approaches.

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.

New Web site

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.

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