

## Report about TIGA activities since the last GB meeting

### Report about TIGA to IOC/GLOSS about the current status and future plans (02/2005)

- GLOSS is interested in the continuation of IGS/TIGA effort but needs a “product” very soon
- WMO via GCOS issued a document about necessary environmental variables to be monitored for climate change studies. Among many others about 170 tide gauges are proposed to be equipped with GPS for vertical monitoring. No plans are laid out by WMO about their plans for processing this large amount of stations.
- GLOSS member states are again asked for contributions to TIGA

### Processing status:

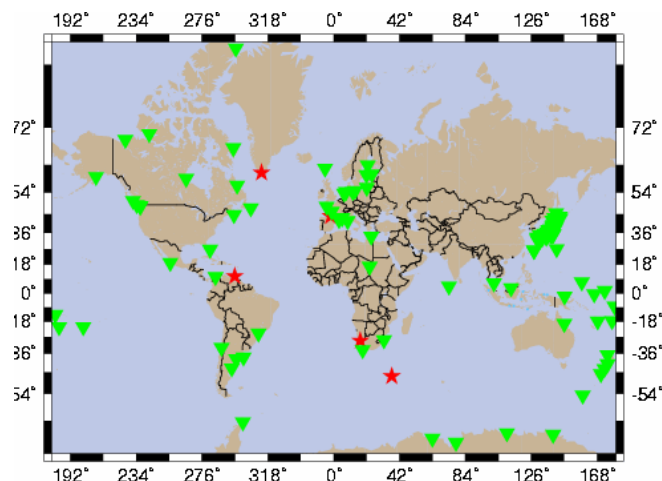
GFZ and EUREF are providing solutions on a regular almost weekly basis. The other four centers are providing solutions at best effort.

After changing the processing strategy at La Rochelle (ULR) the processing of TIGA solutions will soon be continued.

AUSLIG and GFZ submitted the reprocessed time series of TIGA (and additional sites) for the new ITRF solution.

### Station status:

New stations have been added, and the network becomes denser. Additional stations are proposed by Canada and Denmark. RIGA as a new IGS site has a tide gauges, but no response received so far.



### Next steps:

Development of a combined product was discussed but none of the institutes involved has resources to do the work. I submitted a proposal for national funding for altimetry and tide gauges. This would include a combination part for TIGA. Funding is uncertain. A discussion is needed within GFZ to find an internal solution.

However, TIGA moves slowly but continuously. The reprocessed GPS series for the next ITRF are a very valuable contribution.

Within the German contribution to an early tsunami warning system GPS equipped tide gauges will be installed in Indonesia and around the Indian Ocean.