

## Eleventh Session of the GLOSS Group of Experts

# GLOSS GE XI and associated Workshop

11 - 15 May 2009, Paris, France

TIGA Splinter Meeting

13.5.2009 09:00-12:45

### Participants

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### Presentations

S. Rudenko, M. Dähnn, G. Gendt	The status of reprocessing of GPS data at tide gauge benchmarks at GFZ
A. Santamaria, M.-N. Bouin & G. Wöppelmann	Overview of current GPS reprocessing strategy at ULR TIGA Analysis Center
M. Jia	Monitoring of tide gauge benchmarks by GPS in Australia, Antarctica and South Pacific
Laura Sanchez	Activities of the TIGA Analysis Centre at DGFI
D. Thaller	Combination of TIGA Solutions

### Summary of Discussion

- Request TAC's to include IGS-RF (currently IGS05) stations which cover more than one of the ocean regions and both hemispheres
- Encourage TACs to process all TOS stations
- Announce deadline for SINEX file submission for combination (30 June 2009 23:59:59)
- Request all TACs to use DOMES numbers as the primary station identifier

- Add a list of station codes / DOMES numbers to the TIGA web (Sergei Rudenko will provide a first draft)
- Discussion about applying atmospheric loading correction to GPS on the measurement level:
  - o Need consensus on common models
  - o Long-period oceanographic, hydrological, and atmospheric loading signals should not be modeled (long-period  $\geq 24$ h)
  - o Some points to discuss with GLOSS
    - Atmospheric changes causes barotropic fluctuations, no 1:1 relationship
    - Long term-changes and long-term variations in atmospheric circulation
- Label “TOS” will be exclusive to stations providing GPS, tide gauge and leveling!
- Convert TOS Form to XML (Proposal by TIGA Chair)
- Request GLOSS to provide XML based leveling information
- Keeping TOS forms up-to-date: request for a network coordinator
- ULR to check the number of IGS05 stations versus TOS stations
- Setup a data base for jumps (IGS SINEX discontinuity, voluntary by the TIGA Chair)
- Request to TAC’s to provide the Analysis Strategy Summary form (see e.g., <http://igscb.jpl.nasa.gov/igscb/center/analysis/gfz.acn>)
- TIGA Chair to ask IGS to setup a mailing list for TIGA
- Next meeting at IGS AC Workshop in Newcastle, United Kingdom (June 28 - July 2, 2010), last day will be a dedicated workshop for the “vertical”
- Check for a dedicated session at EGU or AGU
- Guy Wöppelmann to confirm that RINEX files from Australia are in the SONEL data archive (keyword Hillary)
- Guy and Tilo crosscheck TOS versus data availability