

Unified Analysis Workshop



- GGOS, IERS, IGS, IVS, ILRS, IDS, IGFS
- Focus on both, problems of the individual techniques and problems common to more than one technique
- Increase the common understanding of all techniques for each individual technique as they contribute to a GGOS
- Positive feedback from all services (support, date)

- Ca. 2.5 days
- Before the AGU 2007 Meeting: Wednesday to Friday evening
- San Francisco area

Next Steps



- Selection of location (together with Ruth Neilan)
- Get the list of representatives from the services complete (ca. 5 representatives from each service)
- Send out second circular with dates of deadlines and first ideas on the program
- Send out revised list of “projects”

Common Research Projects



Possible “common research projects” (ILRS AWG, IVS ACW):

- Parameterization standards and a priori values/models
- Parameter intervals
- Rapid ERP combination
- LOD and nutation rates from satellite techniques
- Troposphere combination (IGS, IVS, IDS)
- Troposphere mapping and initials
- Low degree harmonics combination
- Geometry and altimetry and gravity
- Systematic effects between techniques (local ties)
- Local ties on satellites (SLR to GNSS, common orbits, ...)
- Meta Data Standards for GGOS Portal
- Ocean and other loading effects
- Subdaily models
- Weighting and constraints in combination
- Gravity field (Bifrost: GPS and absolute gravimetry)
- Orbits with new gravity fields, satellite co-location

Unified Analysis Workshop: Themes



(1) Parameterization:

- Parameterization standards and a priori values/models; parameter intervals; extension of parameter list; extension of SINEX

(2) Rapid ERP Combination:

- Rapid ERP combination; LOD (and nutation rates) from satellite techniques

(3) Troposphere Combination:

- Troposphere combination (IGS, IVS, IDS); troposphere mapping and initials

(4) Gravity field and geometry:

- Geometry, gravity and altimetry combined; low degree harmonics combination

(5) Local ties: (not surveying etc.)

- Systematic effects between techniques (local ties); local ties on satellites (SLR to GNSS, common orbits, ...)

(6) GGOS Portal:

- Meta data standards; product contributions from Services