



# Report on the Unified Analysis Workshop

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# Unified Analysis Workshop: Scope and Goals



- Involve the experts from GGOS, IERS, IGS, IVS, ILRS, IDS and 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
- Make concrete progress on (i.e. action items, deadlines):
  - Handling of technique-specific systematic biases
  - Common standards for an extended parameterization
  - Strategies for the combination of the different techniques and parameters
  - Agreement to new combined products to be realized in the next few years
  - Setup of initial meta data standards (example SINEX)



**December 6-8, 2007, Monterey, CA**

## **Program:**

Welcome and Introduction: Goals of UAW

- (5) Details of Product Generation of the Services and Future (Pearlman)
  - (6) Technique-Specific Biases and Effects at Co-Location Sites/Satellites (Gendt)
  - (7) Standardization/Extension of Common Parameterization (Böhm)
  - (8) Combination Strategies and Aspects (Biancale)
  - (9) New Products Based on Inter-technique Combinations (Schuh)
  - (10) GGOS Portal and Meta Data Flow (Richter)
- Summary, Conclusions and Action Items



- Participants were selected by the individual services (5-6 per service)
- Position papers have been put together by the chairs and co-chairs of the sessions (one co-chair from each Service)
- Action items and recommendations:
  - Extension of the SINEX format for other parameter types and representations
  - Tests on atmospheric loading: application on the observation or solution level ?
  - Generation of daily SINEX files (IVS Intensives and IGS Rapids)
  - Parameterization and modeling for the next ITRF
  - Benchmark tests for models common to several techniques
  - Documentation of AC modeling standards and parameterization
  - Definition of meta data standards (e.g. SINEX meta data block)
- All presentations, the position papers and the action items will be available at the IERS web pages within the next days.