

Analysis Working Group Report

ILRS General Assembly Meeting

Poznań, Poland, Oct. 16, 2008

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AWG Projects

- Eight AC: ASI (AC & CC), BKG, DGFI (AC & CC), GA, GFZ, GRGS, JCET, and NSGF
- Candidate AC/AAC undergoing benchmarks: **AIUB, ESOC and NCL**
- Operational products (weekly & daily) are delivered routinely on time
- Re-analysis for 1993 to present:

ASI	v12	June 08
GA	v11	August 08
GFZ	v10	January 08
GRGS	v11	June 08
- Historical data re-analysis 1983 to 1992:

ASI	v12	September 08
GFZ	v10	September 08
- **All ACs to complete submissions by end of 2008**

AWG New Projects

- Pilot Projects currently in progress:
 - *Orbit products (SP3C files) -- FIVE ACs in testing (ASI, BKG, DGFI, GA, JCET)*
 - *Daily solutions of 7-day arcs for 1^d EOP for NEOS (FIVE ACs + DGFI soon!)*
- New Potential projects:
 - *CRD data format submission station qualification process (ASI, GFZ, GRGS, JCET)*
 - *Testing the application of atmospheric effects in ILRS products*
 - *Generation of a “low degree ~2 harmonics” series (for CPP/GGOS)*
 - *3-4 ACs to study the possibility of a new definition of NP generation procedure*
 - *Use of Starlette and Ajisai initially for EOP and eventually for TRF products with improved modeling (e.g. atmospheric effects)*
 - *Near real-time analysis of SLR data for “station health”/bias Rpts.*

AWG Meetings, Past/Future

- The AWG met twice so far in 2008:
 - *EGU 2008, Vienna, Austria*
 - *16th International Laser Workshop, Poznań, Poland*
- Other meetings in 2008:
 - *Not likely*
- Next meeting: EGU 2009, likely dates April (24), 25

AWG Documentation

- All ACs and CCs have submitted online documentation (required by IAG/IERS) describing the models and standards used in their routine analysis, some AACs (*need to remind them often!*)
- A LR-dedicated special issue of the *Journal of Geodesy* to be compiled in the coming year for better and wider documentation of ILRS (ground segment, space segment, data analysis and interpretation)

J of G Guest EB

- *J of Geodesy Editor contacted*
- *Procedures and limitations imposed by JoG provided*
- *ILRS Special Issue Editors:*
 - *Gurtner, Pavlis, Pearlman, Luceri*
- *Delays due to lack of progress in the development of the new ILRS analysis and new SLR-only TRF*
- *Realistic time-table for soliciting papers: Spring '09*