

UAW Session 3

Standardization/Extension of Common Parameterization



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Agenda

- **Tesmer V. et al.**
 - Experiences with CONT02 and GGOS-D
- **Willis P. et al.**
 - Systematic Errors in DORIS Z-Geocenter Time Series
- **Springer T.**
 - “Reference” Values for ALL the IERS Models, Improving “Standard” Software ...
- **Pavlis E.**
 - ILRS Benchmark
- **Schaer S.**
- **Mueller H.**
 - Acceptance Tests by ILRS
- **Rothacher M.**
 - Proposal for Extended Parameterization in SINEX

Discussion and Action Items (1/3)

- EOP (including rates):
 - parameterization (two offsets, offset + rates)
 - time intervals:
 - daily (Session 2, with VLBI Intensives)
 - hourly (integer hours)
 - which a priori (linear?, no sub-daily models?)
- next ITRF: TRF, EOP(+rates), CRF, ..?

Discussion and Action Items (2/3)

□ Troposphere

- parameterization (two offsets, offset + rate)
- time intervals: hourly, 20 min? (6h for gradients?)
- integer hours!

Discussion and Action Items (3/3)

- ❑ Which other parameters should we discuss now?
- ❑ Should we set up a Pilot Project (e.g. CONT05)?
- ❑ Single list of breaks ...
- ❑ ACs will have to maintain at least two solutions ..

Define common standards for a priori values and models

- Earth orientation
 - Troposphere delays
 - Geocenter
 - Gravity
 - Orbits
 - ...
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- presentations by V Tesmer, P Willis, E Pavlis

Define common standards for a priori values and models

- ▣ functional models for continuous piecewise linear
- ▣ SINEX
- ▣ ...
- ▣ presentation by M. Rothacher

Testing and Checking

- of stations,
- software
- ...
- presentations by T Springer, H Müller, E Pavlis