Agenda for the UAW2019 ILRS ASC Meeting

Tuesday, October 1, 2019, Observatoire de Paris, Paris, France, 09:00 – 17:00

Operational Products: Status Reports & Future Plans

All ACs & CCs with brief status/progress reports on their tasks and key issues

AC & CC Reports (including IAA LLR AC)

- ACs must report on the status of:
  - data re-analysis of the two Wettzell systems, corrected for the “pressure offset”
  - submission of the v230 SSEM PP series
  - submission of the 1-year LARES + low degree gravity series
  - the implementation of the new High Frequency EOP model (IERS Pilot Project result)
  - adopting the revised ILRS ASC analysis procedures and modeling standards (IERS secular pole, T2L2 T_{Bs}, newest CoM model [2019.09.04], etc.)
  - ESA: (1) Implement the new format for multi-wavelength bias labels (SOLN field), and (2) revise your v230 series, improve agreement with the other ACs (STATUS???)
  - DGFI: Was the multi-wavelength SINEX issue fixed? (separate solutions for each wavelength)
• ITRF2020 re-analysis plan (weekly series in parallel to operational series) with ITRF2014 (i.e. the updated SLRF2014 version):
  o ITRS presentation on the development of ITRF2020 (Paul Rebischung)
  o Data Handling file update following the completion of the SSEM PP
  o SINEX products requirements for submission to the next ITRF development effort
    ▪ *We need to adopt a format for inclusion of the applied systematics model & CoM*
      ▪ Proposals and examples were emailed by Jose/NERC and Mathis/DGFI
      ▪ Discussion of a proposed compromise
  o Discussion and plans for testing (and later adopting) the new CRD Format v2.0
    ▪ ACs which have agreed to participate:
      ▪ JCET, ASI, DGFI and GFZ
      ▪ Results?
    ▪ Plan for the adoption of the new format in the near future *(input from DF&P SC needed)*

**Station Systematic Error Monitoring Pilot Project—*The Operational Phase(???)***

• Comments on the combination results of the currently available series *(FAR BEHIND SCHEDULE)*
• Results from the so-far submitted series and the schedule for operational product delivery:
  • Identify the stations worth to study, eliminate stations with very brief occupations (e.g. MEDLAS campaign sites, etc.) and eliminate them from our ITRF submissions;
  • Adopt “operational” delivery schedule: deliver weekly arcs with freely adjusted systematics;
  • Delay product delivery to benefit from a more stable SLR NP data set and better EOP;
  • Discussion of the averaging process, the identification of breaks, validation, testing, etc.
  • **When do we expect to have this service online and operational??**
Low-degree SH of the gravity field/inclusion of LARES as 5th satellite PP

- Which ACs will commit to provide these series before the end of October 2019?
- When will the remaining ACs be able to comply with this schedule?

Contributions to the UAW meeting:

- Gravity Models for POD
- SLR Systematic Errors and Biases

Planning the next Pilot Project and launch dates:

a. Revisit NT Atm. Loading & Gravity implementation as an internal PP (NOT for ITRF use)
   - Ideally this model should be part of the delayed analysis product resulting from the SSEM project

b. Discussion of a plan for the expansion of the targets used in operational products, with the intent to produce higher quality EOP in a shorter timeframe (e.g. the day after the data were collected)
• *The Journal of Geodesy* Special Issue on Laser Ranging—JOGSILR: **Status**
  *(Accepted articles, Status Update, submissions/review progress, etc.)*

**Other topics, next meeting…**
- Next ASC meeting: before the EGU 2020 (TUW, Vienna)
  - **TENTATIVE DATE:** Saturday, May 2, 2020, 9:00 – 17:00

CL – Cinzia Luceri
DT – Daniela Thaller
DK – Daniel König
MB – Mathis Blossfeld
FD – Florent Deleflie
RK – Rolf König
MV – Margarita Vei
ECP – E. C. Pavlis
JR – Jose Rodriguez
ZA – Zuheir Altamimi