

**ILRS QCB Telecon
02-Apr-2020**

Agenda

- Status of the ILRS contribution to the ITRF and the SSEM - Erricos Pavlis (10 min)
- Review of a proposal to form a study group within the QCB to identify parameters which can rationalize and model observed systematic errors in the SLR ITRF analysis and assure their integrity (the proposal is attached) - Peter Dunn (15 min)
- New ideas on how we might revise our NP strategy to offer more flexibility (see https://cddis.nasa.gov/lw21/docs/2018/presentations/Session5_Riepl_presentation.pdf in addition to provided slides) - Stefan Riepl (15 Min)
- A review of where we stand in evaluating the quality of our NP's - Matt Wilkinson (15 min)
- Review of some station issues - Van Husson (15 min)
- Anything else?

Proposal for a Study Group within the QCB
Peter Dunn

The ILRS Analysis Standing Committee (ASC) exploits the tracking data collected by ILRS for the generation of a number of scientific data products.

The ILRS Data Formats Procedures Standing Committee (DFPSC) develops procedures for the generation of full-rate and normal point data, ensuring that the data product contains all the information needed by the analysts

The Networks and Engineering SC (NESC) improves the products of the ILRS network by working closely with the data analysis community and the individual ILRS stations.

The NESC includes the ILRS Quality Control Board (QCB) to which we propose to add a Study Group or Panel.

Group participants will be drawn from the QCB and will consider the completeness of the information embedded in the normal point records.

The primary goal is to identify parameters which can rationalize and model observed systematic errors in the SLR ITRF analysis.

And to assure their integrity.; see https://en.wikipedia.org/wiki/Data_integrity

For example, pulse shape (the satellite return profile at each receiver) is not directly considered in current ITRF analysis.

We will report to the DFPSC on each station's adherence to their requirements, in both content and format.

The DFPSC charter allows them to revise unnecessary requirements, and to recommend that the CB enforce those not met.

We will report to the QCB on the integrity of the information provided by each station.

The NESC (QCB) has the authority to control the dissemination of incorrect information from the stations.

This study will draw on results from other past and current NESC panels which have considered the consistency of normal point computation (Wilkinson), as well as alternatives to the adopted Herstmonceux standard (Riepl).

Pulse Shape is too specific a descriptor for this endeavor; the (shapeless) FR data SingleShot RMS is an important parameter.

Data Integrity is too grandiose a label for our humble assemblage.

Magic Moments: too romantic.

So we request the title Sanity Assessment Group (SAG) or Sanity Assessment Panel (SAP).