

May 15, 2019

**ILRS Quality Control Board (QCB)
Telecon
May 15, 2019**

Next meeting: Wednesday, July 31, 2019 at 14:00 UTC, 09:00 EST, 14:00 in UK; 15:00 in Central Europe; 23:00 in Japan.

Participants: Carey Noll, Erricos Pavlis, Mike Pearlman, Toshi Otsubo, Matt Wilkinson, Mathis Blossfeld

Mt. Stromlo Data Bias Issues

Mt. Stromlo has completed the reprocessing of its geodetic data using a combination of automated and hand processing; they now need to expedite the reprocessing of the data from the other satellite and make sure they are doing so with a consistent manner.

Mike will remind Mt Stromlo of the urgency.

Station Systematic Error Monitoring Pilot Project-- SSEM PP (Erricos)

Data reprocessing awaits release of new C/M tables (with some errors corrected) from Jose and corrected pressure values for both SLR systems at Wettzell. A draft memo on the resolution of the pressure issue (value and time period) should be sent to Erricos for review before general circulation.

Matt will check on the C/M models and Mathis try to expedite the Wettzell issue.

Reprocessing to settle on the final bias values is scheduled to start at the end of May, so these issues need to be settled quickly. The final reprocessing for the ITRF submission with the additional of LARES is scheduled for completion by the end of the year.

Etalon 3-month EOP campaign ends in mid-May.

Erricos will quantify the improvement in data yield.

Web Based Station Performance Tool (Erricos)

The Web-Based Performance tool is now working. It may be a good idea to add an access counter to see who is using this tool.

Data Issues

Matt's reworked message on updated requirements for FR data submissions has been sent out to the stations; Matt will check in later to see who is listening.

Justine's charts with visual displays of station performance were reviewed at the CB meeting; they look good; a few mods were suggested for implementation before this version is declared completed at the next CB.

Differences in data screening procedures at the stations prior to formation of NP's and calibration values are documented to some extent in the site logs; **is that information complete and do we need to consolidate it somewhere for easier assess.**

The data handling file is modified by Erricos and Cinzia as required and then passed on to Christian and Mathis for storage on EDC servers, where it can be accessed through links on the ILRS website pages. Christian and Mathis are tasked to amend the file whenever there are routine events, e.g., a station is entering/exiting quarantine, a new station joins the network, etc. Any change in the file requires an update of the release date of the file.

Quarantine release statement on the ILRS website needs to include the LARES requirement.

Calibration Issues

Do we need to better understand the calibration procedures at each station, including the data screening process? Issues of this type should be discussed first by the NESC and they should come to the CB with a documented proposal on action for the CB. The forum may provide a means for wider participation in the discussion and better formulation of the proposal.

We include the capability for stations to record amplitude of returns in their CRD full rate data. Analogously, should we be doing that in our full rate calibration data? Record 41 is available.

Do we currently record a mean signal strength for each CRD NP? Should we somehow be characterizing our calibration data to help account for the fact that ranging and calibration may be done at different return signal strengths? These are issues for discussion at the CB.

Station Tools

Use of the Forum has fallen off. We should highlight some current issues for discussion. If you have particular topics that you want to be included, contact Matt.

One suggestion is that we use the forum to post material for current discussion and refer people to it as a reference.

Review from Toshi's QC Process

Sparse data flowing in from MacDonald, but 8 – 10-meter bias being investigated.

LAGEOS and LARES data now flowing in from JAXA; quarantine release analysis underway.

Next Meeting

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<u>USA (toll free)</u>	<u>1-844-467-4685</u>	<u>Italy (toll free)</u>	<u>0 800 977 597</u>
<u>Austria (toll free)</u>	<u>0 800 006 089</u>	<u>Italy, Rome</u>	<u>+39 06 452 366 22</u>
<u>Austria, Vienna</u>	<u>+43 (0) 1 25301 0163</u>	<u>Japan (toll free)</u>	<u>0 066 3386 1015</u>
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<u>Germany, Frankfurt</u>	<u>+49 (0)69 66777 5747</u>		
<u>Germany, Munich</u>	<u>+49 (0) 89 7104 24681</u>		