

August 13, 2019

ILRS Quality Control Board (QCB)

Telecon

May 15, 2019

(August 10, 2019)

Next meeting: TBD

For scheduling reasons, we were not able to hold our telecon on July 31 and rescheduling into August likewise had scheduling issues. We have added some updates in this interim report. We will try to schedule our next telecon in September recognizing that many of us have substantial travel during that period too.

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, and provided the data for ITRF processing. They are to expedite the reprocessing of the data from the other satellite and make sure they are doing so with a consistent manner.

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

The C/M tables (with some errors corrected) have been provided, as have corrections for the met issues at Wettzell. So far, JCET and BKG are the only two ACs that have submitted the complete series 1993 to present (v230).

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.

Report on the campaign results submitted and is online, see https://ilrs.cddis.eosdis.nasa.gov/docs/2019/Etalon_1and2_2019_Campaign.pdf

Web Based Station Performance Tool (Erricos)

The Web-Based Performance tool is now working. Tests are being made 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 are being made to improve the display, but the product is operational (try it).

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; **it may be a good idea to consolidate this information for easier comparison.**

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. (Has this been done?).

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 is now flowing in from MacDonald, A large range bias appeared in the very first 1-2 passes submitted, but is no longer an issue.

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

Next Meeting

Next meeting: TBD. Time: 14:00 UTC, 09:00 EST, 14:00 in UK; 15:00 in Central Europe; 23:00 in Japan. Telecon info below: Passcode: 317382, international phone numbers:

<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>
<u>France (national)</u>	<u>0 811 655 211</u>	<u>Japan, Osaka</u>	<u>+81 (0) 6 4560 2100</u>
<u>France (toll free)</u>	<u>0 800 949 765</u>	<u>Japan, Tokyo</u>	<u>+81 (0) 3 4560 1264</u>
<u>France (toll free)</u>	<u>0 805 101 207</u>	<u>UK (national)</u>	<u>0 845 355 5040</u>
<u>France, Paris</u>	<u>+33 (0) 1 70 37 14 61</u>	<u>UK (toll free)</u>	<u>0 800 358 8173</u>
<u>Germany (national)</u>	<u>0 1801 003 798</u>	<u>UK (toll free)</u>	<u>0 800 279 4867</u>
<u>Germany (toll free)</u>	<u>0 800 320 2291</u>	<u>UK London</u>	<u>+44 (0) 20 7154 2976</u>
<u>Germany (toll free)</u>	<u>0 800 589 1850</u>		
<u>Germany, Frankfurt</u>	<u>+49 (0)69 66777 5747</u>		
<u>Germany, Munich</u>	<u>+49 (0) 89 7104 24681</u>		