

Minutes of the ILRS Analysis Standing Committee Meeting No. 1/2025

Thursday, 2025-02-27, online, 13:00–13:45 UTC

1) ILRS contribution to ITRF2020-u2024

Introduction (by MB):

- All ACs uploaded the data in time (deadline was Feb. 14th).

Major differences of ILRS contribution to ITRF2020-u2024 compared to ITRF2020-u2023 (MB):

- CNES contributed to official contribution for the 1st time → is this causing systematics in the time series of solution statistics, HT parameter, EOP, station coordinates, etc.?
- New DHF version and new SLRF 2020 version required for processing.

Why was SLRF2020 updated (MB)?

- Tsukuba station: discontinuity due to earthquake (discussion with F. Lemoine).
- Mount Stromlo, Matera, and Izana quarantine release in 2024 → check if coordinates must be changed → no, everything OK!
- SLRF2020, version 05.02.2025

Another update needed (MB):

- Six additional discontinuities added in ITRF2020-u2023 → not yet included in SLRF2020
- SLRF2020, version 21.02.2025
- New SLRF2020 version will be send to ACs ASAP (**new AI for MB**).

ASI CC report:

- No anomalies found at the first check of data (AB).
- Report on ILRS cointribution will be compiled and send to Acs before official submission of the data (**new AI for ASI CC**).
- Folder at EDC for ILRS contribution to ITRF2020-u2024 will be set up (**new AI for MB**).

2) LARES-2 as 5th satellite in ILRS ASC operational products

Schedule proposed by MB and accepted by ACs (cf. slides of the meeting).

Important deadlines:

- v320 reprocessing of 2024 (**new AI for all ACs**) until March 7th
- Finalization of DHF including LR-2 entries (**new AI for ASI CC**) until March 14th
- Reprocessing and operational submission of v90 solutions (**new AI for all ACs**) until March 28th
- Processing and operation submission of v190 solutions (**new AI for all ACs**) until April 11th
- Combination of processed and operationally submitted v190/v90 solutions (**new AI for CCs**) until May 1st

During the ILRS ASC meeting in Vienna (01.05.2025), we will evaluate the 5-satellite combined solutions and decide when to switch of v180, v80 and v280 operational products. They will be officially replaced by the v190, v90 and v320 products.

Comments to time plan:

- NSGF: March 7th deadline might be hard to meet but Andreja will try her best.
- JCET: reprocessing of v90 and v320 solutions again (due to update of SLRF2020 file).
- GFZ: deadline of March 28th might be problematic but Margarita will try her best.

Important: if you upload an official solution of your AC/CC please inform ASC!

Slides by FL:

- LARES-2 positively impact the v320 and v90 solutions in terms of smaller scatter of HT parameters and improved repeatability of station up components; DGFI shows slightly larger STDs of HT parameters.
- LARES-2 has smaller number of obs compared to LA-1/-2. Might be related to smaller OCS of LR-2 -> less obs at low elevations (MB).

3) hybrid ILRS ASC meeting in Vienna during EGU week

- Next ILRS ASC meeting: May 1st, 2025, 2:30 – 5:30 PM, CEST, “Arnold Schmidt“ room Gusshausstrasse 27-29, 6th floor.
- Meeting will be hybrid, zoom link provided at slides.

NEW ACTIONS		
# AI	Description	AC/person
2025_feb01	Send ASC meeting minutes + SLRF2020 (21.02.2025) to ACs	MB
2025_feb02	Compile and distribute report on ILRS contribution to ITRF2020-u2024	ASI CC
2025_feb03	Set up folder at EDC for ILRS contribution to ITRF2020-u2024	MB
2025_feb04	v320 reprocessing of 2024	All ACs
2025_feb05	Finalization of DHF including LR-2 entries	ASI CC
2025_feb06	Reprocessing and operational submission of v90 solutions	All ACs
2025_feb07	Processing and operation submission of v190 solutions	All ACs
2025_feb08	Combination of processed and operationally submitted v190/v90 solutions	ASI and JCET CC