

2025/1 ILRS Analysis Standing Committee meeting

Mathis Bloßfeld⁽¹⁾, Cinzia Luceri⁽²⁾

(Conveners)

(1) DGFI-TUM

(2) ASI/e-geos

Thursday, February 27th, 2025, Zoom, 1:00 to 3:00 PM (UTC)

ILRS ASC meeting – 2025-02-27



Today's [draft] agenda



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|--|--------------|------------|
| 1) ILRS contribution to ITRF2020-u2024 | (MB, DS, AB) | 60 minutes |
| 2) LARES-2 as 5th satellite in ILRS ASC operational products | (MB) | 15 minutes |
| 3) hybrid ILRS ASC meeting in Vienna during EGU week | (MB) | 5 minutes |

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ILRS contribution to ITRF2020-u2024



AC	# weeks	date of upload	Status
ASI	53	10.02.2025	OK
BKG	53	14.02.2025	OK
CNES	53	07.02.2025	OK
DGFI	53	07.02.2025	OK
ESA	53	09.02.2025	OK
GFZ	53	11.02.2025	OK
JCET	53	11.02.2025	OK
NSGF	53	10.02.2024	OK

- All ILRS ACs submitted their contributions in time! Thank you all!!
- Differences w.r.t. ILRS contribution to ITRF2020-u2023
 - 1 AC more (CNES)
 - Stations (new and quarantine-released) → new DHF version, new SLRF2020 version
- More details, cf. ASI CC short report

Update of the SLRF2020



- SLRF2020 last updated on 02.10.2023
- New update required:
 - discontinuity caused by an earthquake in Tsukuba (Japan, 7306) → new coordinates for A02 added
 - Initial coordinates of Yebes (Spain, 7817) updated
 - Release of quarantined data; check if coordinates of Mt. Stromlo (Australia, 7825), Matera (Italy, 7941) and Izana (Spain, 7701) must be updated → no, coordinates are OK
 - [SLRF2020, version 05.02.2025](#)
- Another update needed:
 - Newly introduced jumps of ITRF2020-u2023 added (6 in total)
 - [SLRF2020, version 21.02.2025](#)
 - Be aware: if your s/w uses the ITRF2020-u2023 SLR discontinuity file, the new discontinuity of 7306 is missing (SLRF2020 SOLUTION/EPOCH block is consistent within the SINEX file)!

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| 2) LARES-2 as 5th satellite in ILRS ASC operational products
(cf. also slides presented by F. Lemoine) | (MB, FL) | 15 minutes |
| 3) hybrid ILRS ASC meeting in Vienna during EGU week | (MB) | 5 minutes |

LARES-2 – next steps (1)

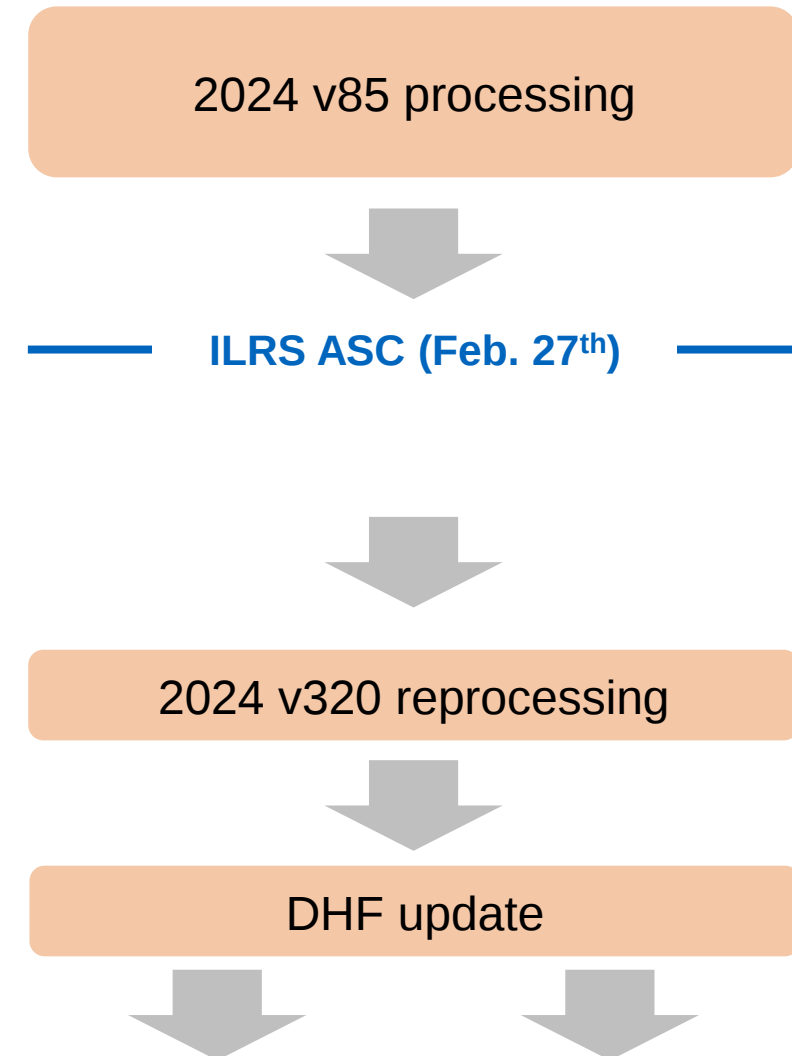
ILRS ASC contribution to the ITRF2020-u2024

- **ACs**: v85 processing of 2024 – **until February 14th**
- **CCs**: v85 combination of AC solutions – **until February 27th**

- Final submission of ILRS ASC contribution to ITRF2020-u2024

LARES-2 incorporation into operational ILRS ASC products

- **ACs**: v320 reprocessing of 2024 – **until March 7th**
 - Make sure local database is up-to-date (quarantined data releases, etc. in 2024)
 - Based on updated SLRF2020 (21.02.2025) and most recent PSD corrections of ITRF2020-u2023
 - Remember to increment the version number (i.e., v320 → v321)
- **ASI CC**: finalization of DHF including LR-2 entries – **until March 14th**

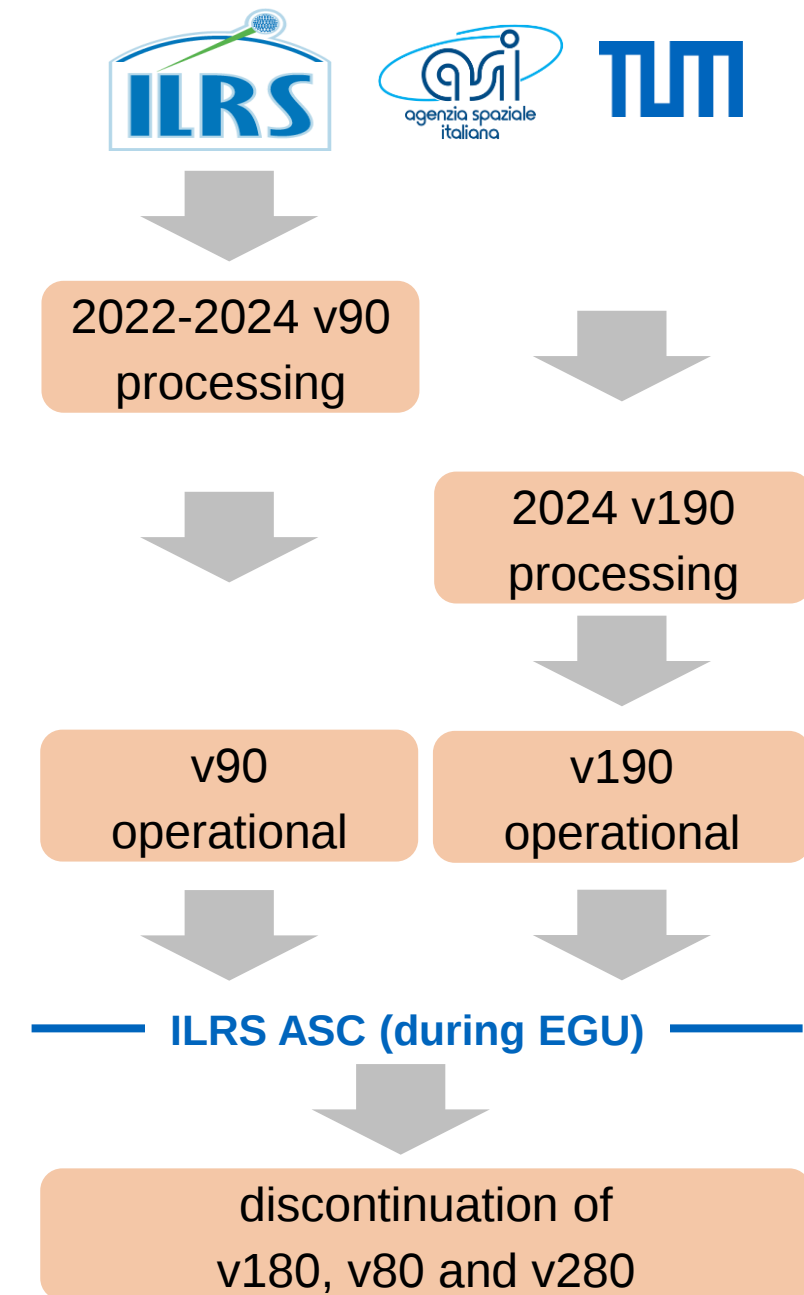


LARES-2 – next steps (2)

LARES-2 incorporation into operational ILRS ASC products

- **ACs**: process v90 solutions (v80-like; including LR-2) based on new DHF for the time since LR-2 launch (Sept. 2022) + operational submission of v90 solutions (v80-like schedule)
– **until March 28th**
- **ACs**: process v190 solutions (v180-like; including LR2) based on new DHF since 01.01.2024 + operational submission of v190 solutions (v180-like schedule)
– **until April 11th**
- **CCs**: combination of processed and operationally submitted v190/v90 solutions
– **until ILRS ASC meeting in Vienna**

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.



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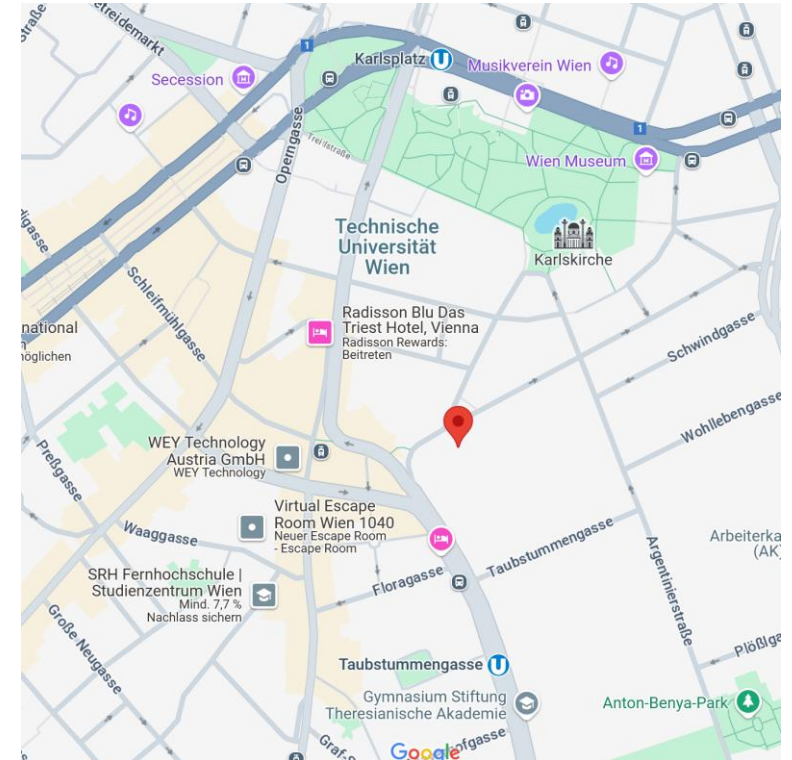
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Next ILRS ASC meeting



The 2nd ILRS ASC meeting 2025 is planned to be held during the EGU week in Vienna, Austria.

- Thursday, May 1st, 2025
- 2:30 – 5:30 PM, CEST
- “Arnold Schmidt” room, Gusshausstrasse 27-29, 6th floor



The meeting will be hybrid! To access the meeting via Zoom please use the following link:

- <https://tum-conf.zoom-x.de/j/68700919430?pwd=Oiah9Cef2a69A32n1PeXraMFIG1wKQ.1>
- Pwd: 685603