Deutsches Geodätisches Forschungsinstitut (DGFI-TUM)
TUM School of Engineering and Design
Technische Universität München

ILRS ASC reprocessing for ITRF2020-u2025

necessary steps and tentative schedule

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ILRS ASC

Processing steps for ILRS ASC contribution to ITRF update (1 of 3)

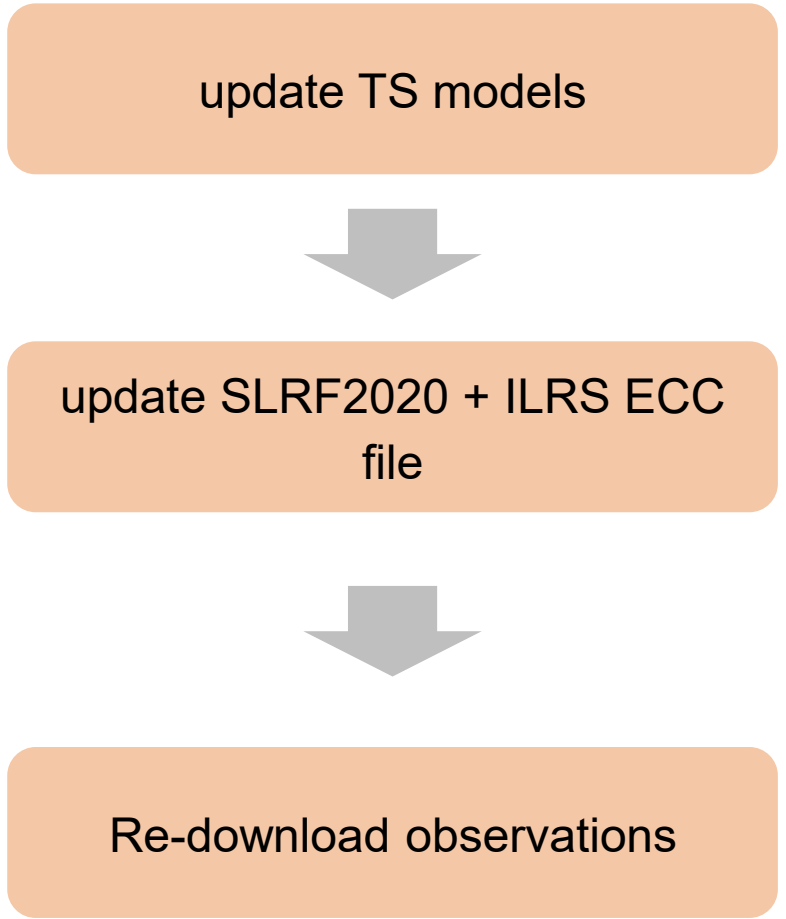
ILRS ASC meeting (03.12.2025)

1) Update station- and satellite-specific target signature models
   (J. Rodriguez)
   - new stations to be included
   - revisit of existing TS models
   - new model version available at EDC and ILRS website (version: 260112)

2) Update SLR2020 + ILRS ECC file + ILRS DHF
   (F. Lemoine and GSFC/UMBC team)
   - include new stations and eccentricities
   - fix some bugs
   - New file versions available at EDC and ILRS website (version: 260205)

Mid of February 2026

3) Re-download observations from EDC/CDDIS
   (all ILRS ACs)
   - 2021.0-2026.0
   - data from de-quarantined stations released
   - data of new stations published



Processing steps for ILRS ASC contribution to ITRF update (2 of 3)

4) Reprocess weekly v330 product
   (all ILRS ACs)
   - 2021.0-2026.0
   - based on updated models and files from 1) and 2) and data from 3)

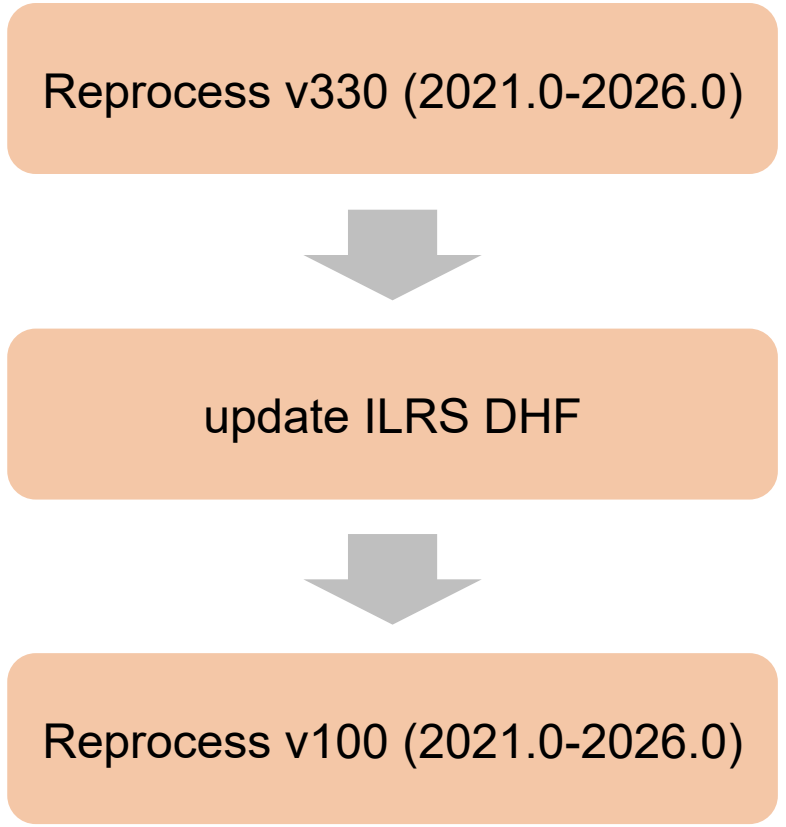
   Sunday, 01.03.2026

5) Update ILRS DHF
   (ILRS CC @ ASI)
   - based on previously reprocessed v330

   Sunday, 22.03.2026

6) Reprocess weekly v100
   (all ILRS ACs)
   - 2021.0-2026.0
   - based on updated models and files from 1), 2), and 5)

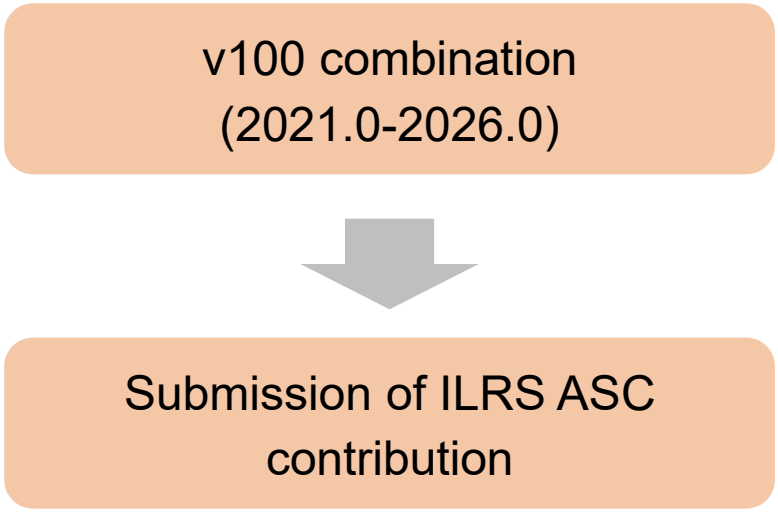
   Sunday, 05.04.2026



Processing steps for ILRS ASC contribution to ITRF update (3 of 3)

7) v100 combination
(ILRS CCs @ ASI, JCET/GSFC)
– 2021.0-2026.0

8) Submission of ILRS ASC contribution to ITRF2020-u2025
(ILRS ASC)
– 2021.0-2026.0



Sunday, 19.04.2026

- Wrapping up: for the necessary reprocessing steps the ILRS approximately needs minimum 3 months!
- Be aware: next ILRS contribution to an ITRF (update) will require a complete reprocessing as correction models for NPs of the “early” years are currently developed/under revision