EGSIEM

European Gravity Service for Improved Emergency Management

Title: **WP2 Gravity field analysis**

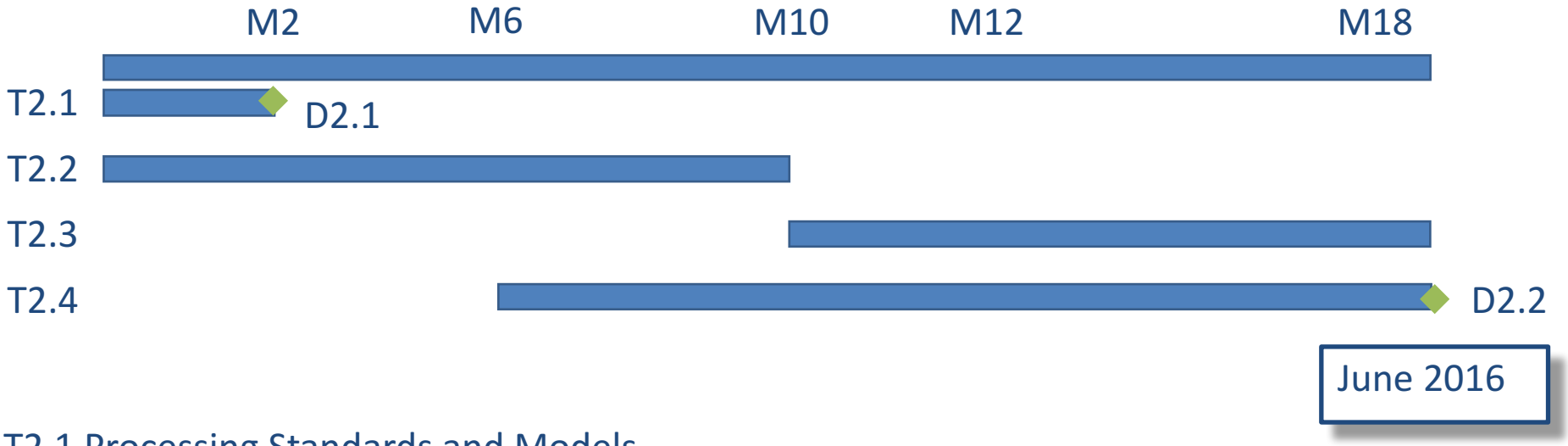
Presenter: TMG and all ACs

Affiliation: TUG

EGSIEM Meeting Bern,
19.01.2017 – 20.01.2017

Horizon2020

WP2 Gravity field analysis – Time Table



T2.1 Processing Standards and Models

T2.2 Improved processing tools

T2.3 Data analysis

T2.4 Instrumental behavior and End-to-end Simulator

⇒ WP2 finished

WP2 Gravity field analysis

- All analysis centers (AC) delivered monthly normal equations in SINEX (2006-2007)
  - except Ulux, see talk by Zhao Li,
    Implementation of the rigorous acceleration approach and its preliminary results

- Deliverable 2.2 GRACE/GRACE-FO Product report

- Periodic report

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Status of TUG ITSG-GRACE processing

Torsten Mayer-Gürr (TUG)

EGSIEM General Assembly

AIUB Bern

January 19 - 20, 2017

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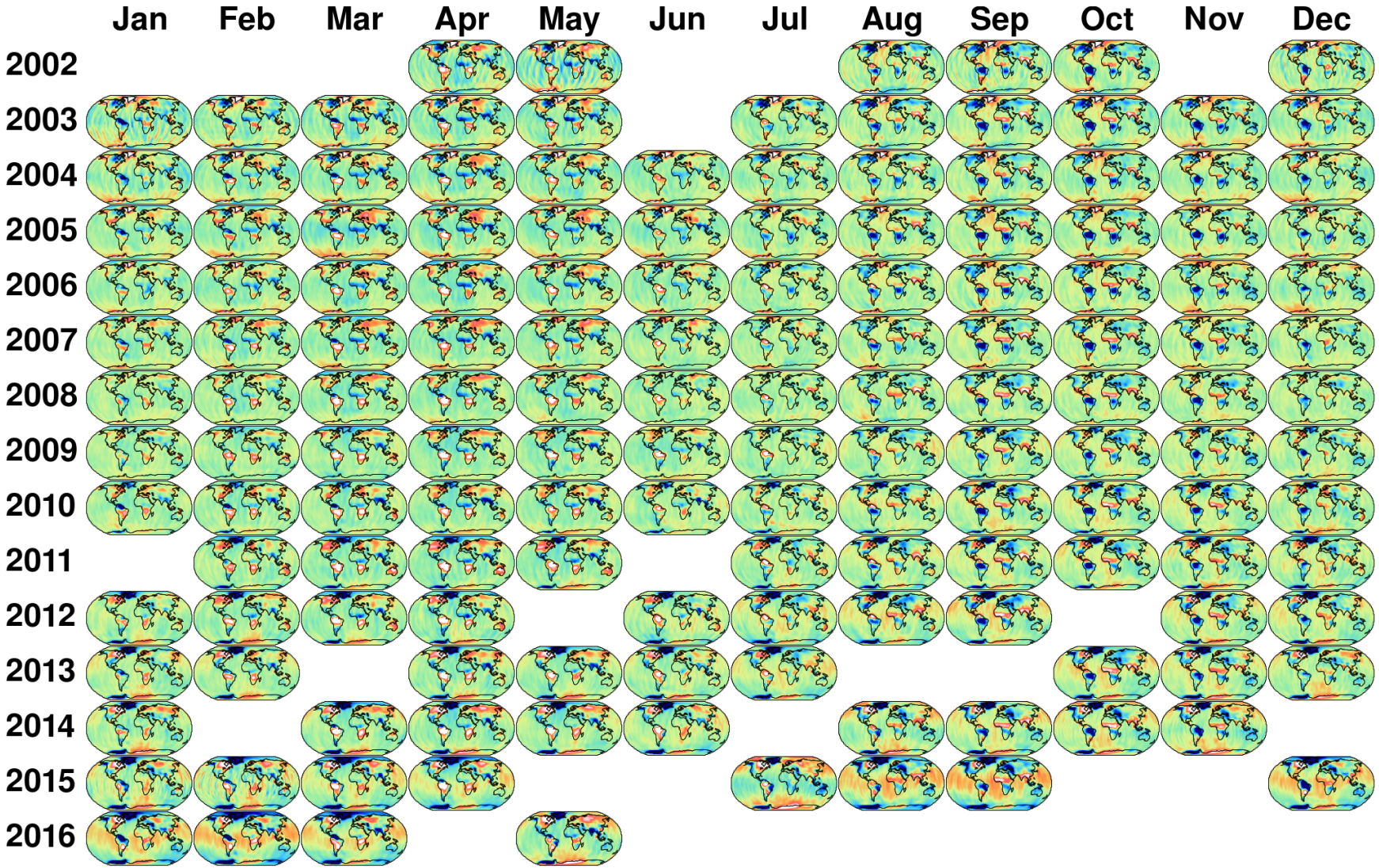
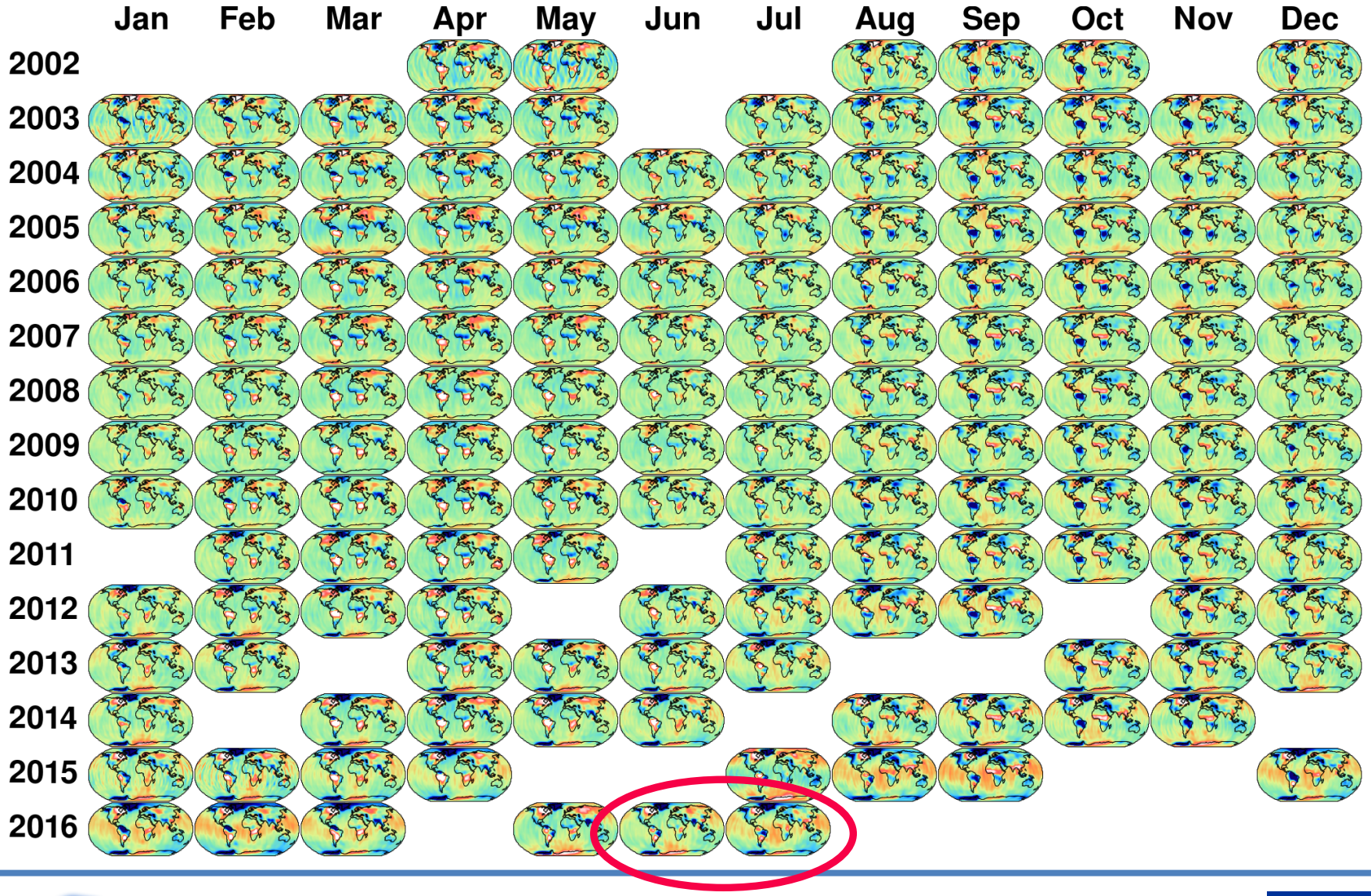
Status TU Graz: ITSG-Grace2016



Status TU Graz: ITSG-Grace2016



Status TU Graz

- Delivered monthly normal equations in SINEX (2006-2007)
- Normals of all other months are ready and can be uploaded on request

- TUG has now access to level 1-a data for some months: planned tests
  - Improved star camera and angular acceleration fusion
  - Improved outlier detection

Austrian Research Promotion Agency (FFG) Project

CAKAO **Combined analysis of kinematic orbits and loading observations to determine mass redistribution**

- Improved kinematic GRACE orbits by ambiguity resolution
- Geocenter motion by GPS station loading

Status TU Graz

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European Gravity Service for Improved Emergency Management

AIUB monthly GRACE K-Band gravity models

Ulrich Meyer (AIUB)

EGSIEM General Assembly

AIUB Bern

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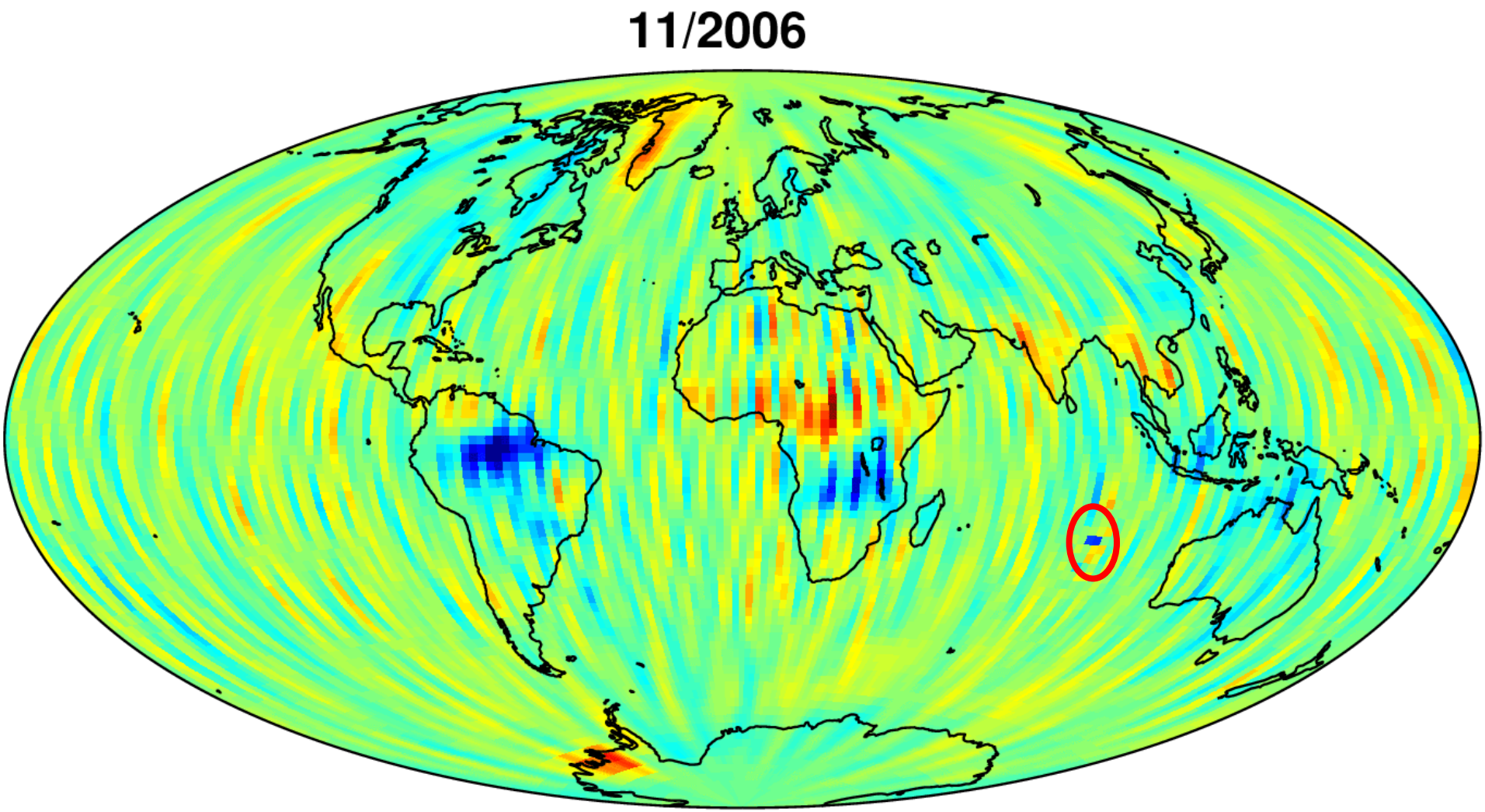
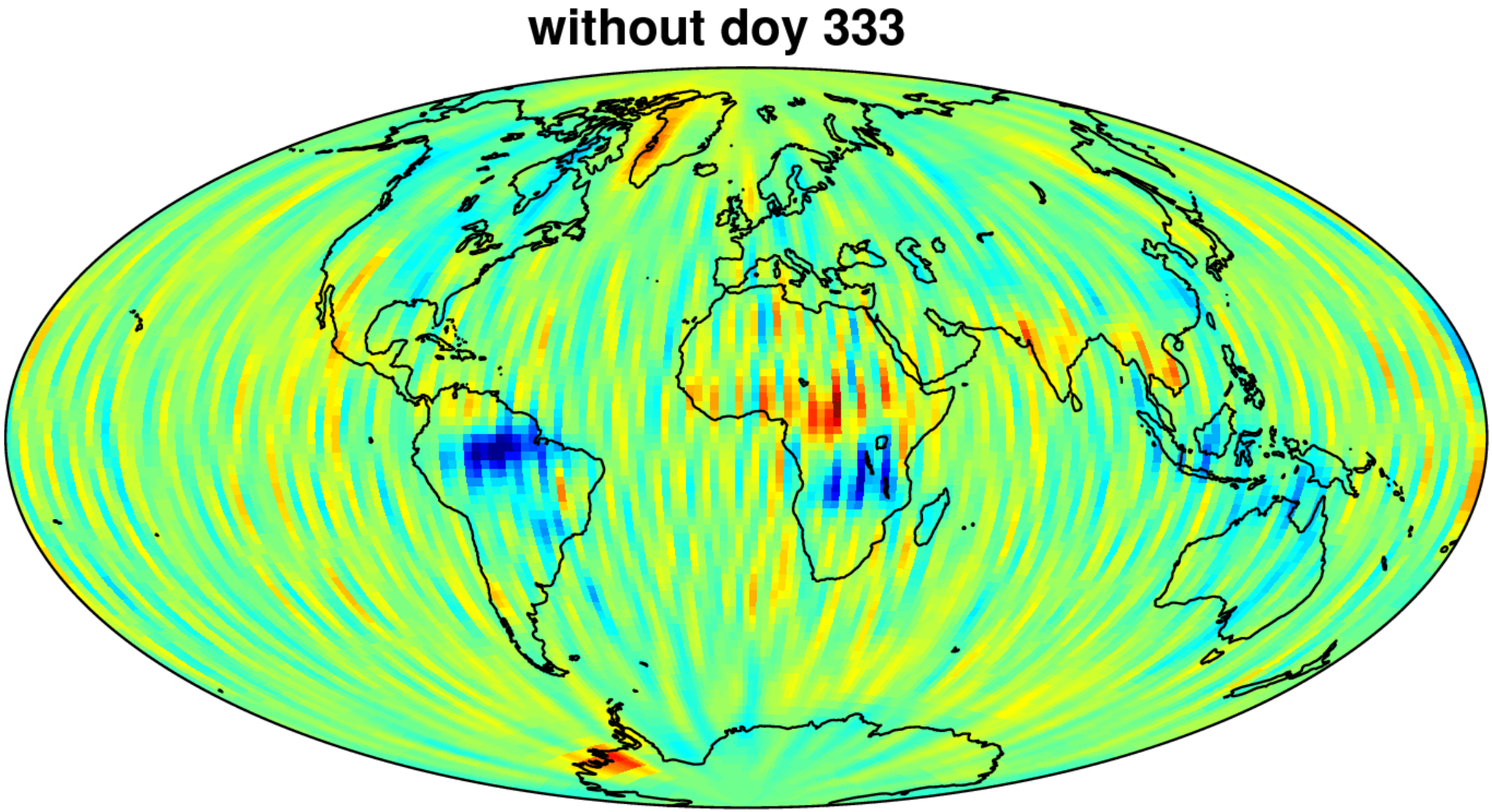
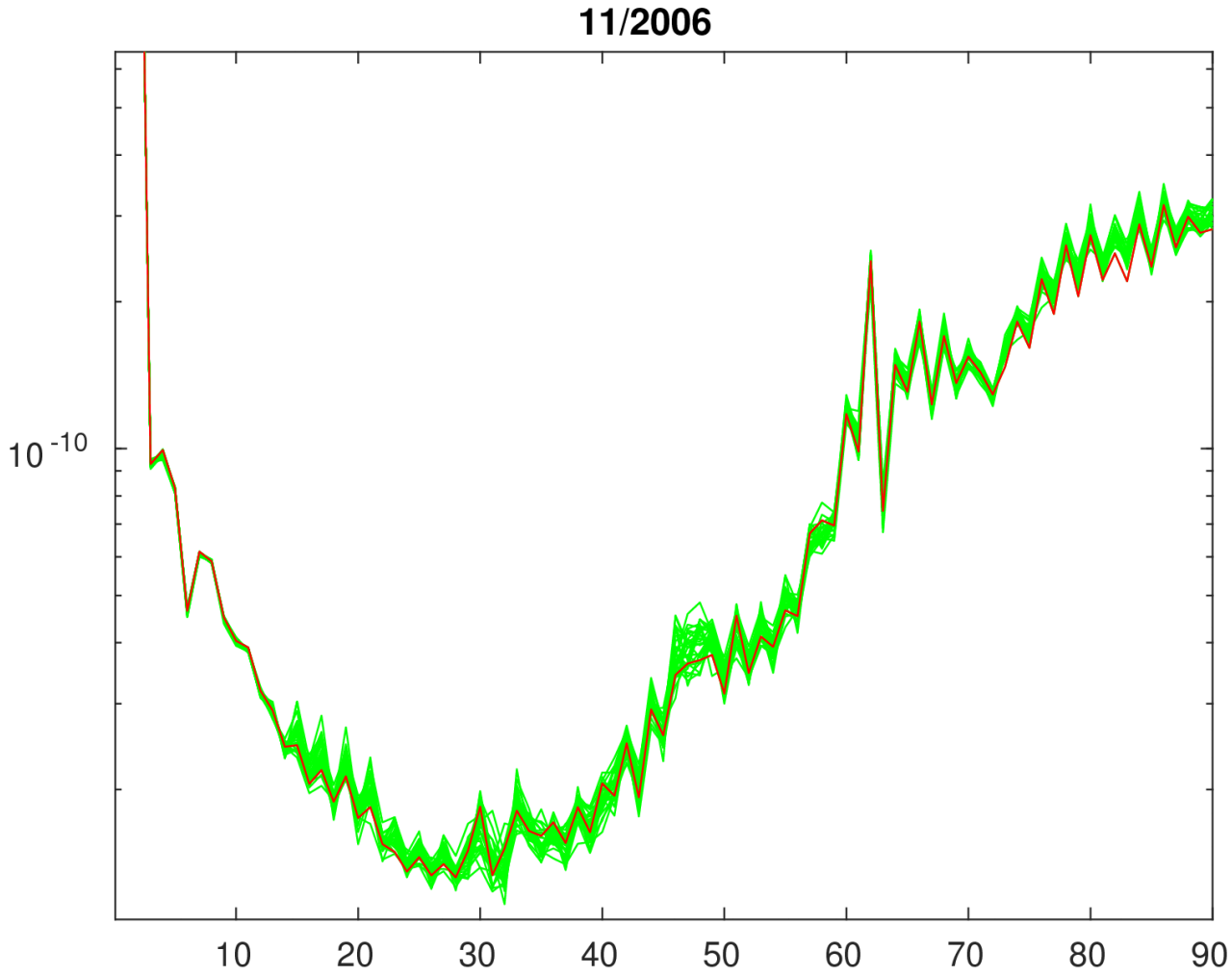
Artifact in monthly solution 11/2006



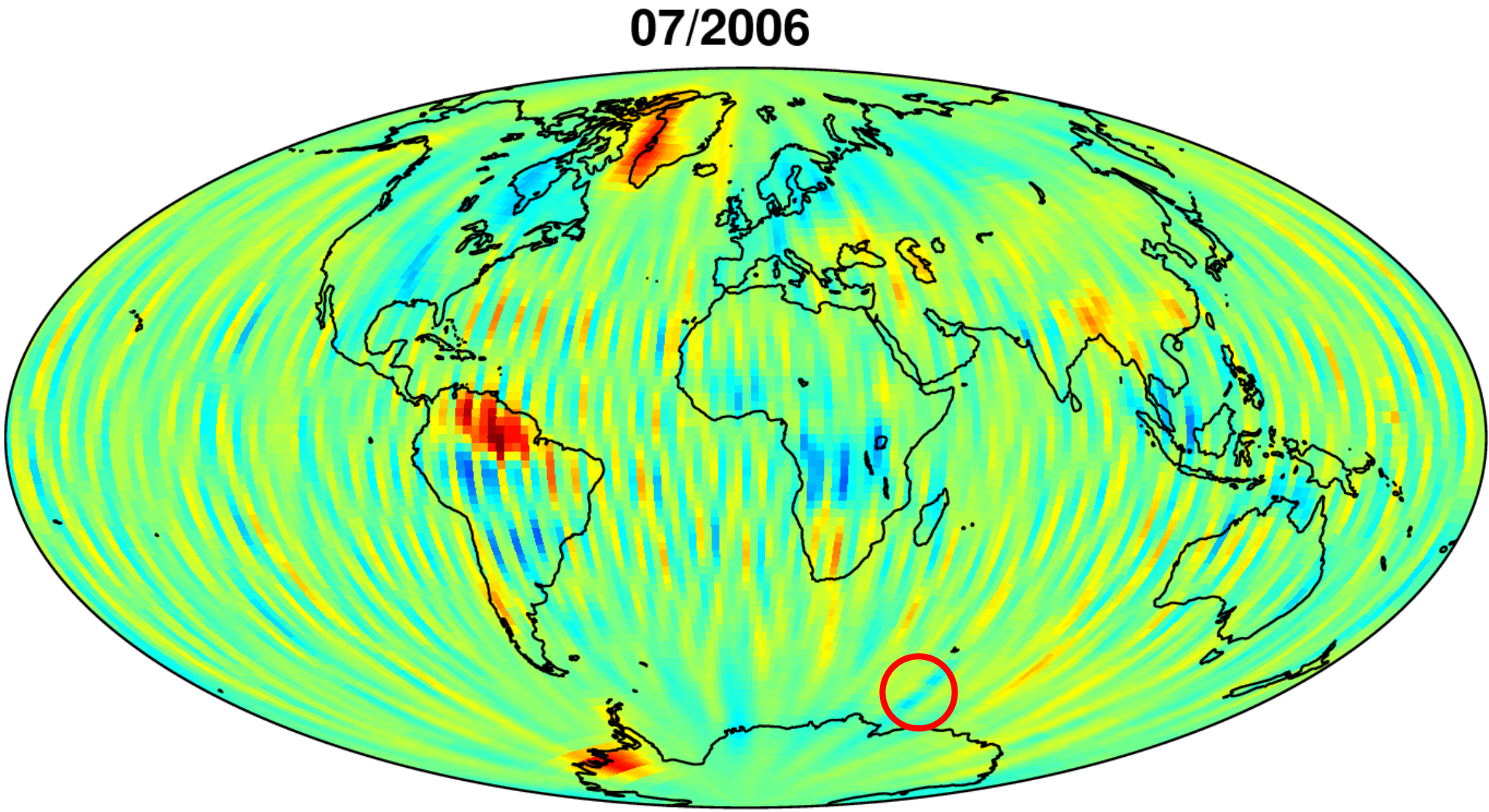
Artifact in monthly solution 11/2006



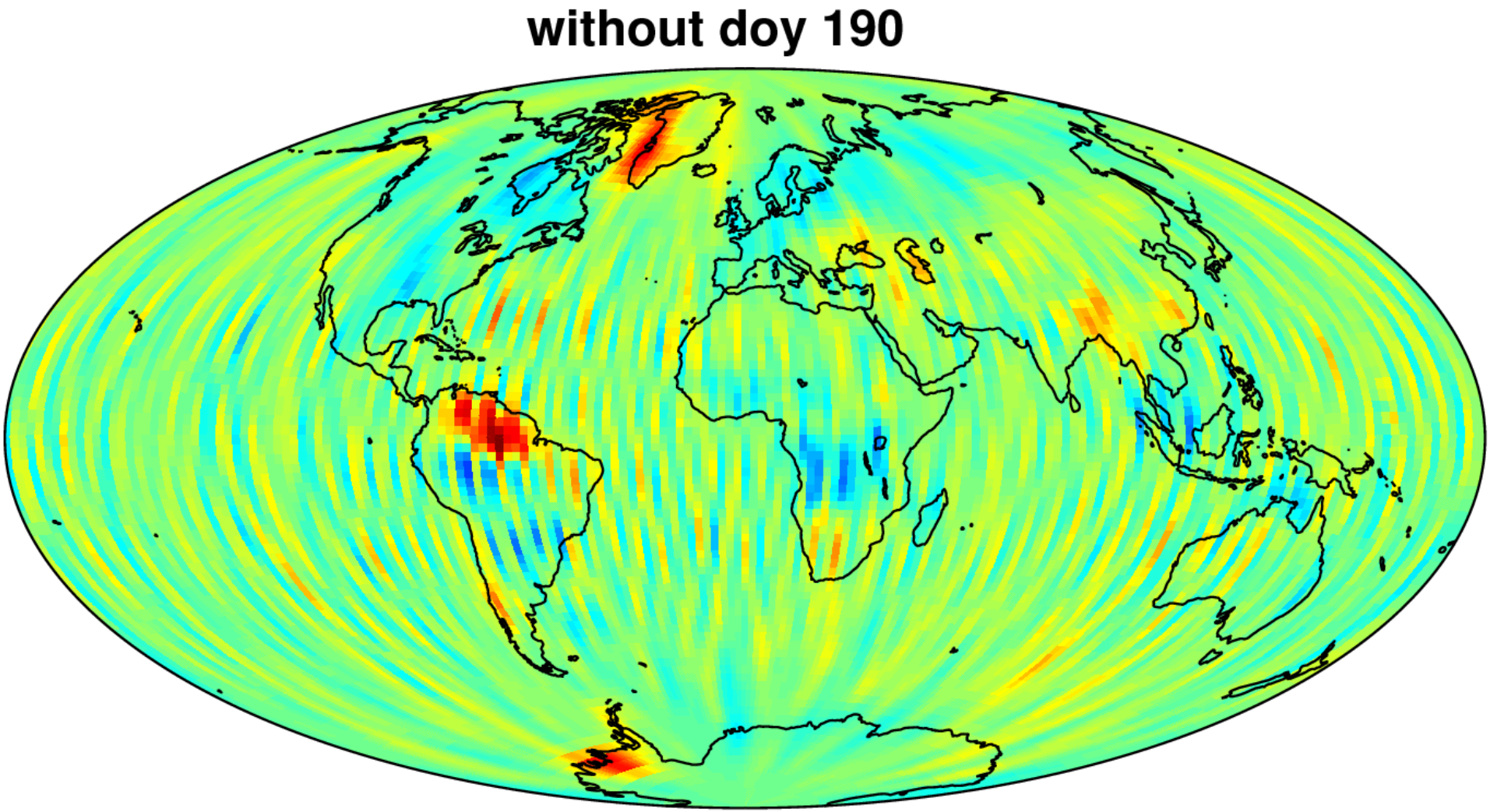
not noticeable in spectral representation …



Artifact in monthly solution 07/2006



Artifact in monthly solution 07/2006



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