

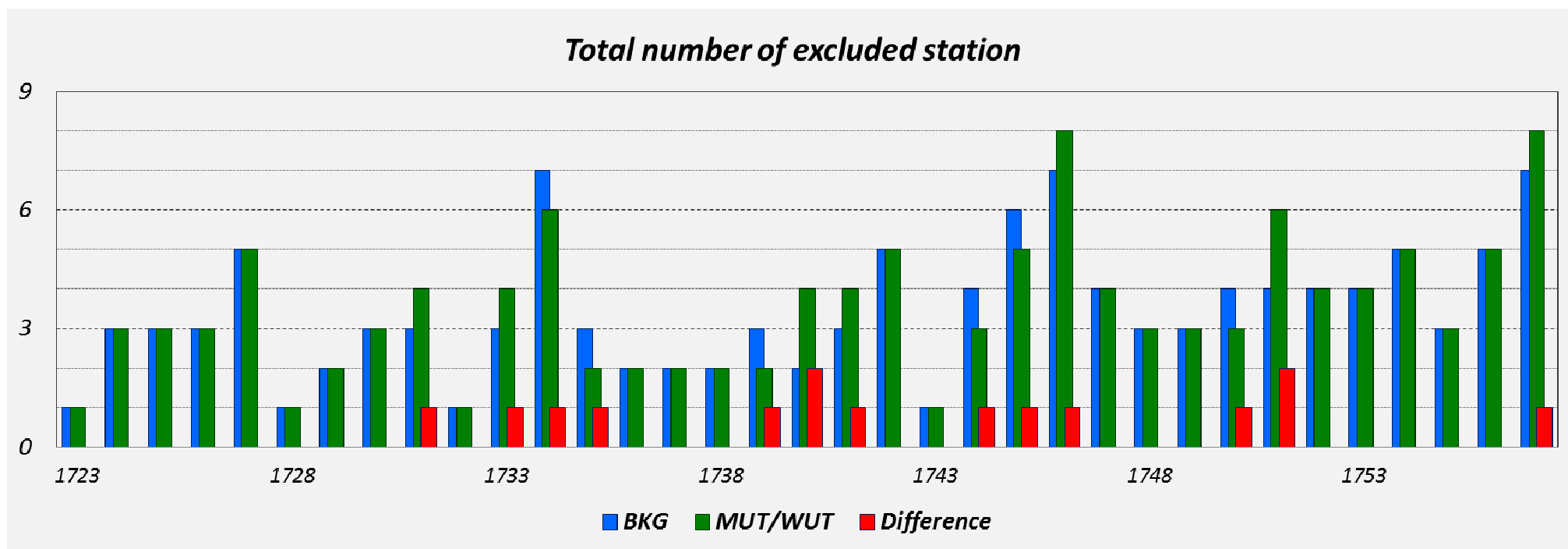
# **EPN ACC STATUS REPORT**

*Andrzej Araszkiewicz  
Mariusz Figurski  
Tomasz Liwosz  
Karolina Szafranek*

## CURRENT STATUS:

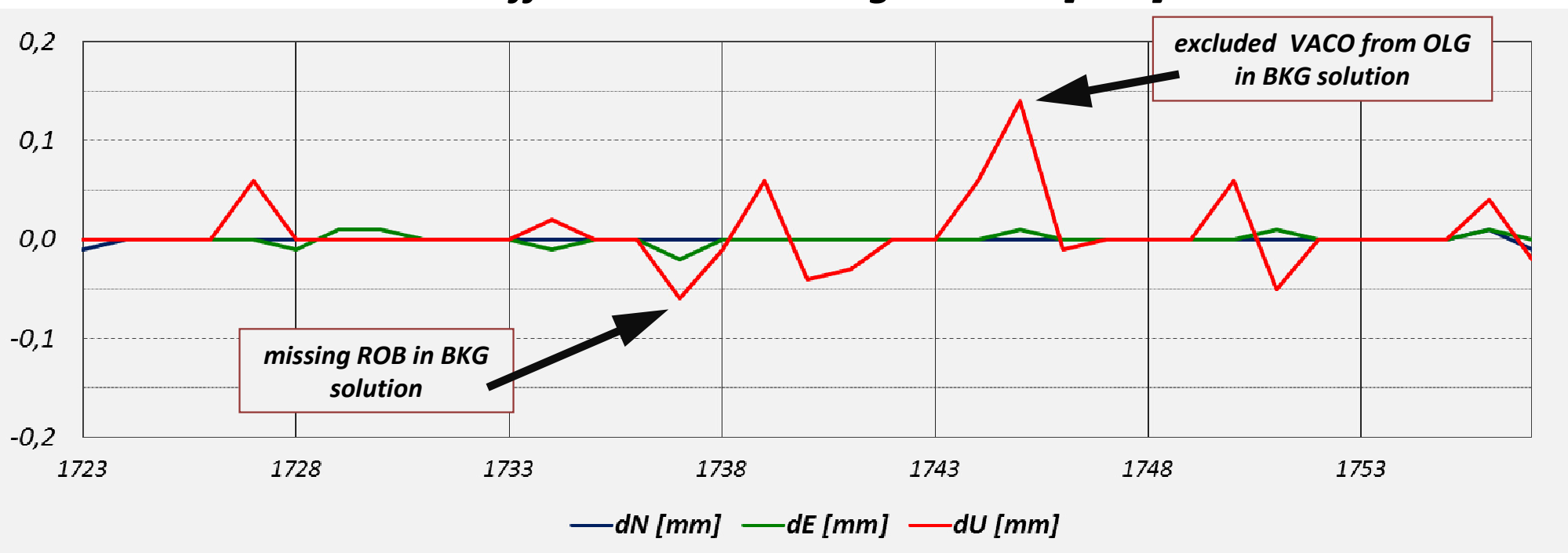
- Final weekly solution: *ready, start from 1765 (?);*
- Final daily solution: *working on, start from 1775;*
- Rapid daily solution: *almost ready, start from 1770;*
- Hourly solution: *almost ready, start from 1770;*
- TIGA subnetwork solution: *in contact with T. Schoene.*

# VERIFICATION OF „NEW” WEEKLY COMBINATIONS



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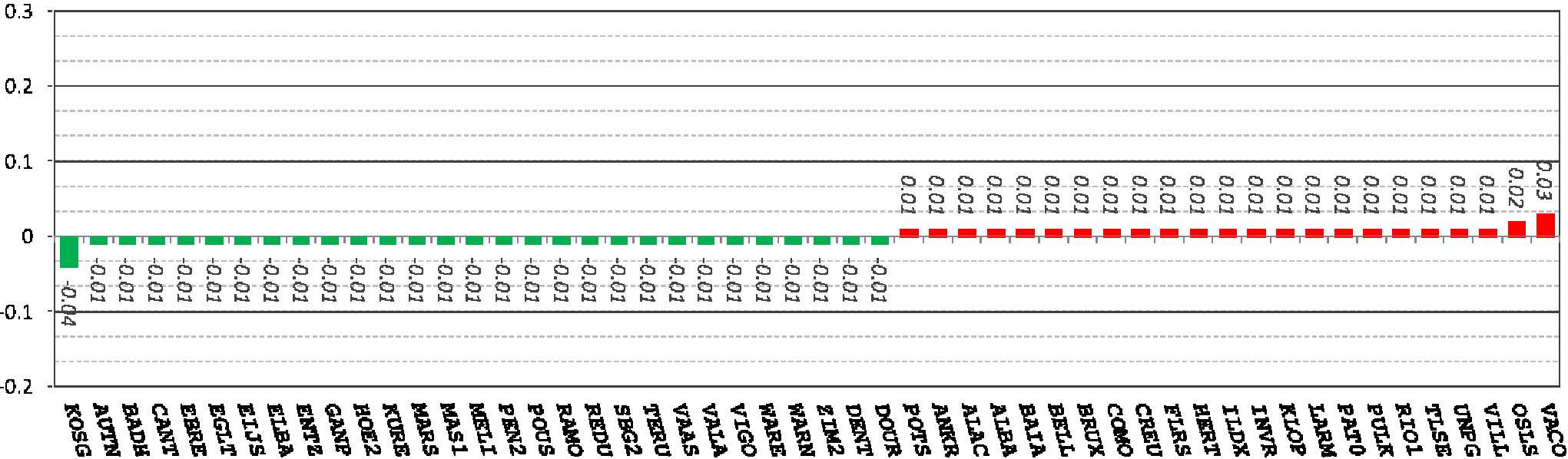
*Differences in total agreement [mm]*



*Differences between stations agreement:*

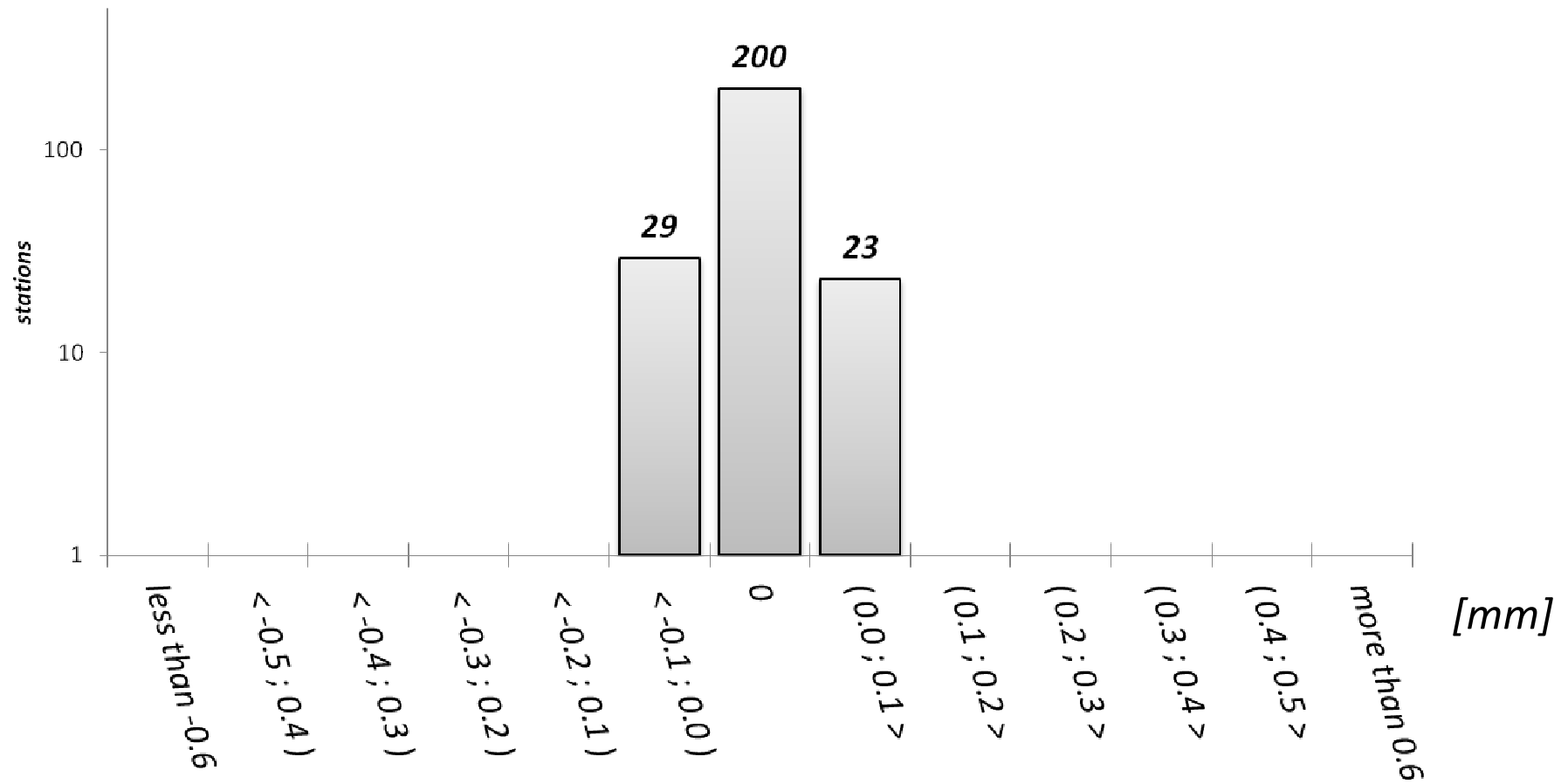
*Horizontal components*

[mm]



## ***Differences between stations agreement:***

### ***Horizontal components***



# ***Differences between stations agreement:***

## ***Horizontal components***

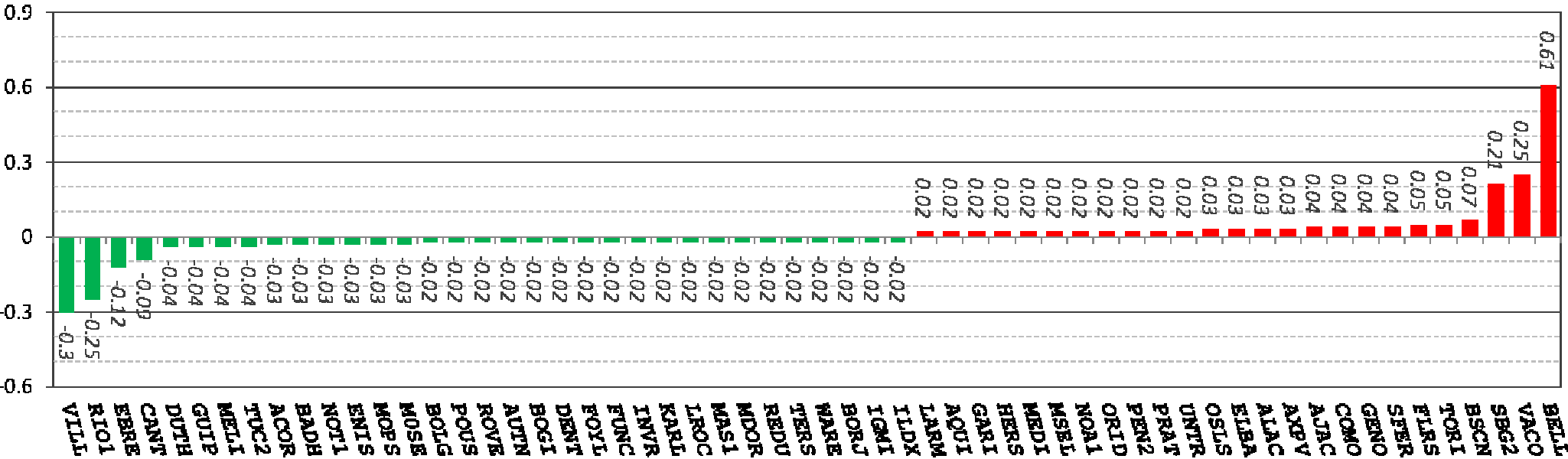
**Difference in repeatability**  
(horizontal component - mm)

0.01 0.03 0.05 0.10 0.15

*Differences between stations agreement:*

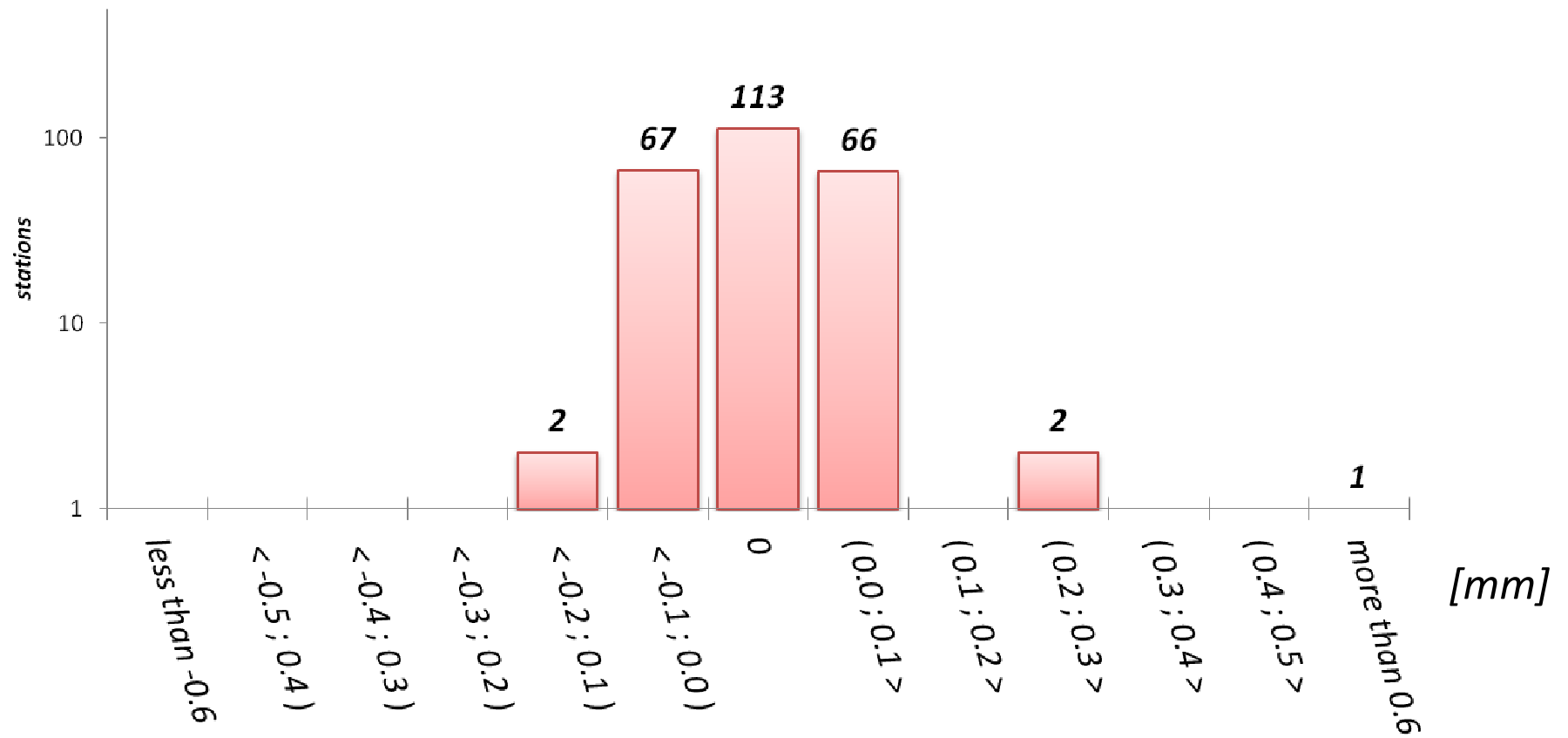
*Up component*

[mm]



## ***Differences between stations agreement:***

*Up component*



# ***Differences between stations agreement:***

*Up component*

**Difference in repeatability**  
(vertical component - mm)

0.01

0.03

0.05

0.10

0.15

## OUTLOOK:

- Submission of combined solutions (since when?);
- Official introduction of the EPN ACC webpage (comments?);
- Distribution of updated Guidelines (after TWG approval);
- Automatic mail reports (can be shorter?);
- Working on combinations using CATREF;
- Re-processing issues;

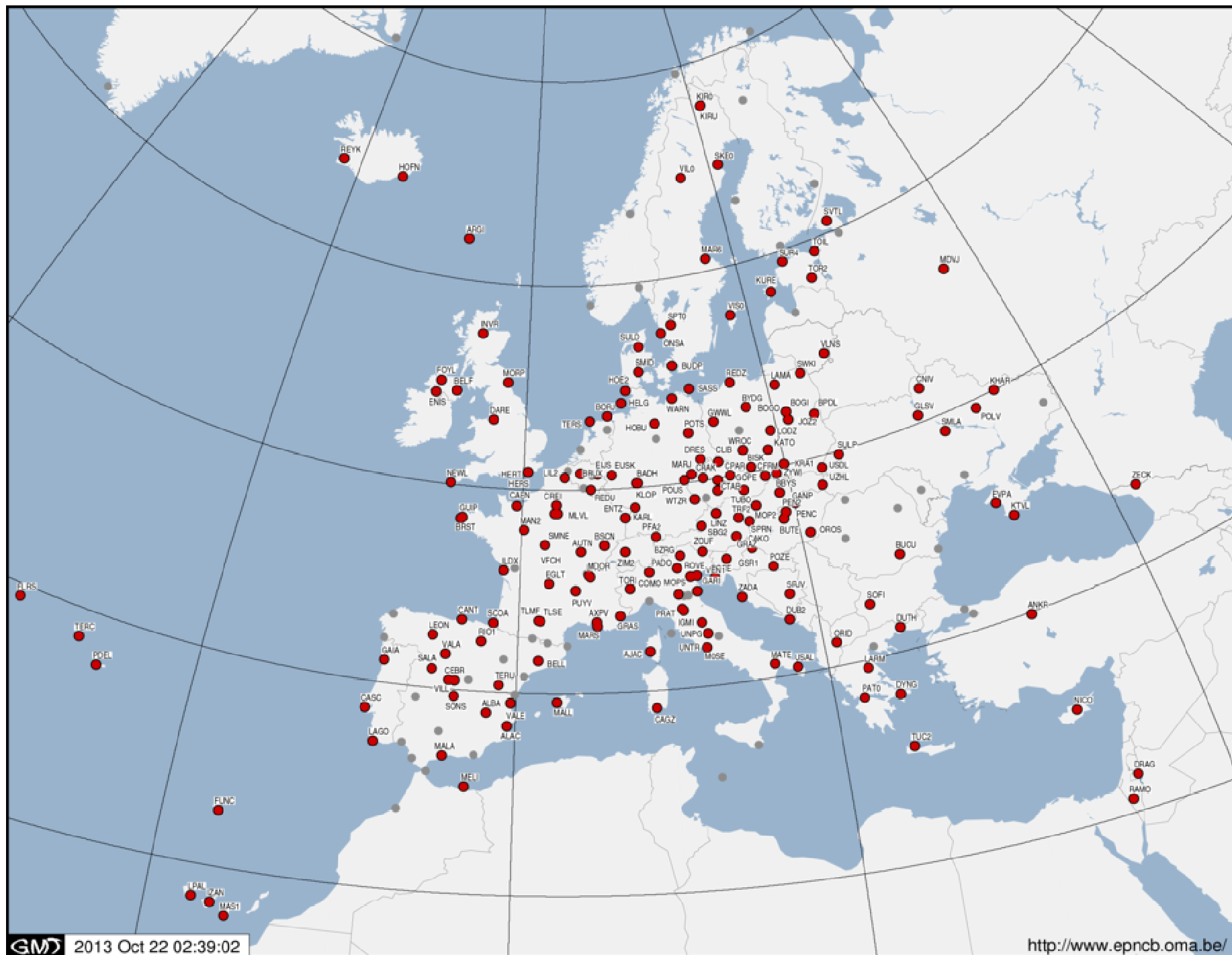
# Update of Guidelines

## UPDATE OF GUIDELINES:

- Final daily coordinate solutions became mandatory;
- Encouragement for LACs to perform specific tasks;
- Global approach (?);
- Update of processing options (e.g. mapping functions)
- Changes to keep Guidelines up-to-date (e.g. IGS instead of ITRF);
- Distribution of stations among LACs (!);  
*Number of LACs for each station, double stations, densification, completely new distribution ...*

# News from BSW 5.2 and usage of GLONASS

## GLONASS data submission



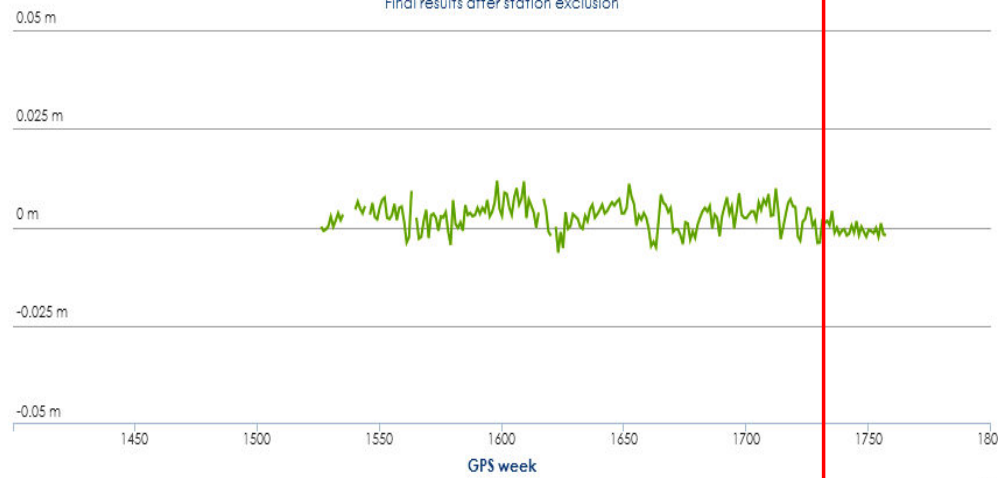
## Analysis of GLONASS data and use of Bernese 5.2 software

	<b>GLONASS</b>	<b>BSW 5.2</b>
<b>BEK</b>	1501	-
<b>BKG</b>	1610	1730
<b>IGE</b>	1756	1756
<b>LPT</b>	1400	1731
<b>MUT</b>	1755	1755
<b>RGA</b>	1752	1752
<b>ROB</b>	1400	-
<b>WUT</b>	1609	-

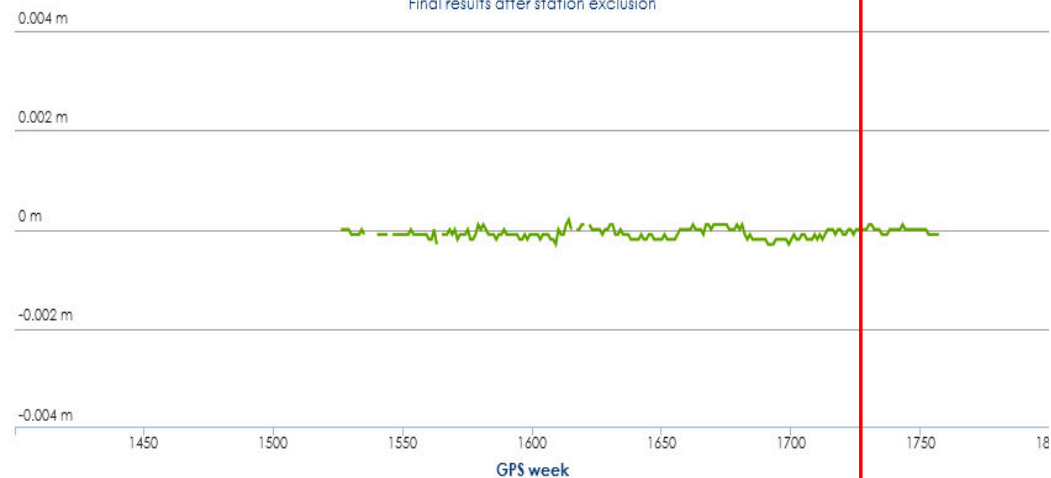
*(based on LAC files)*

# BKG: switch to BSW 5.2 (1730)

TRANSLATION X of Helmert Transformation  
Final results after station exclusion



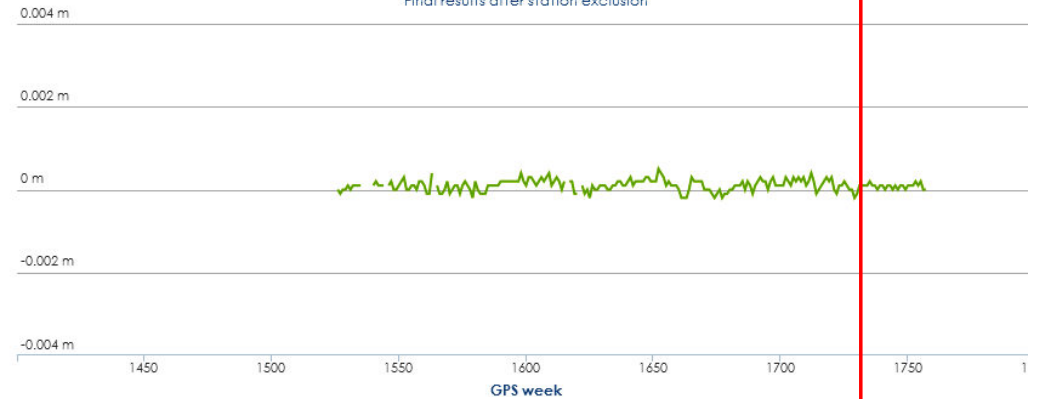
ROTATION X of Helmert Transformation  
Final results after station exclusion



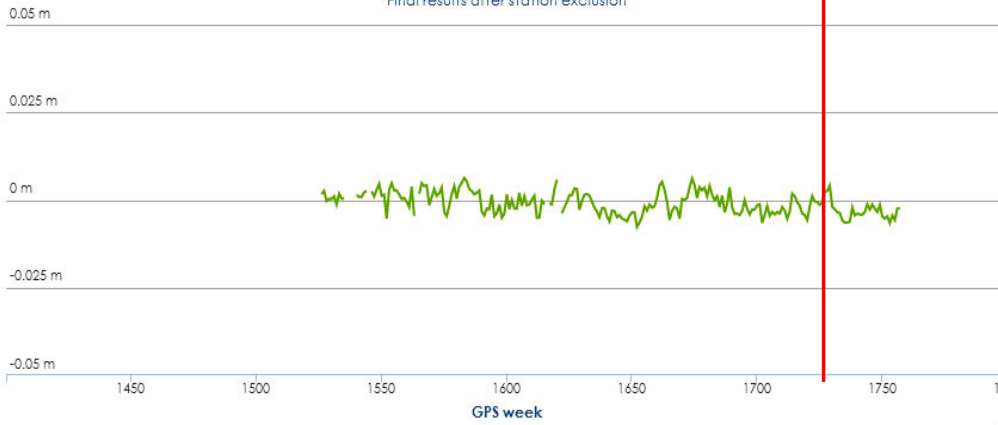
TRANSLATION Y of Helmert Transformation  
Final results after station exclusion



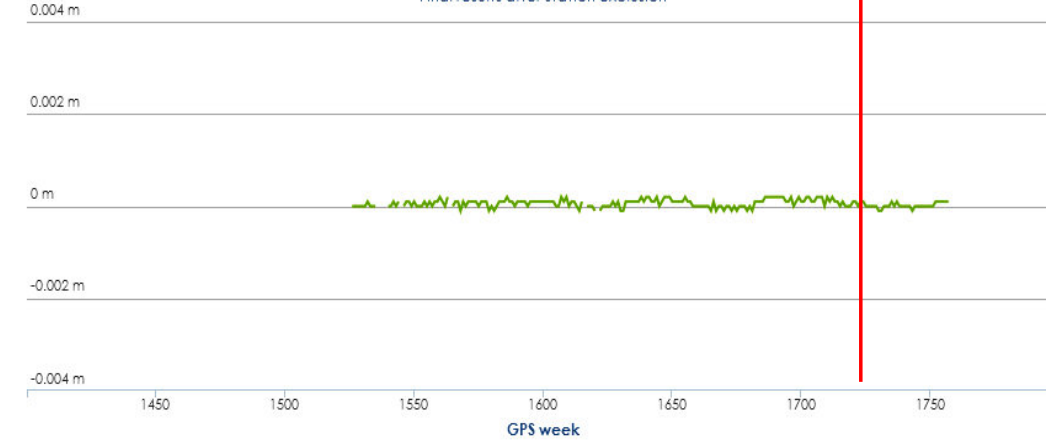
ROTATION Y of Helmert Transformation  
Final results after station exclusion



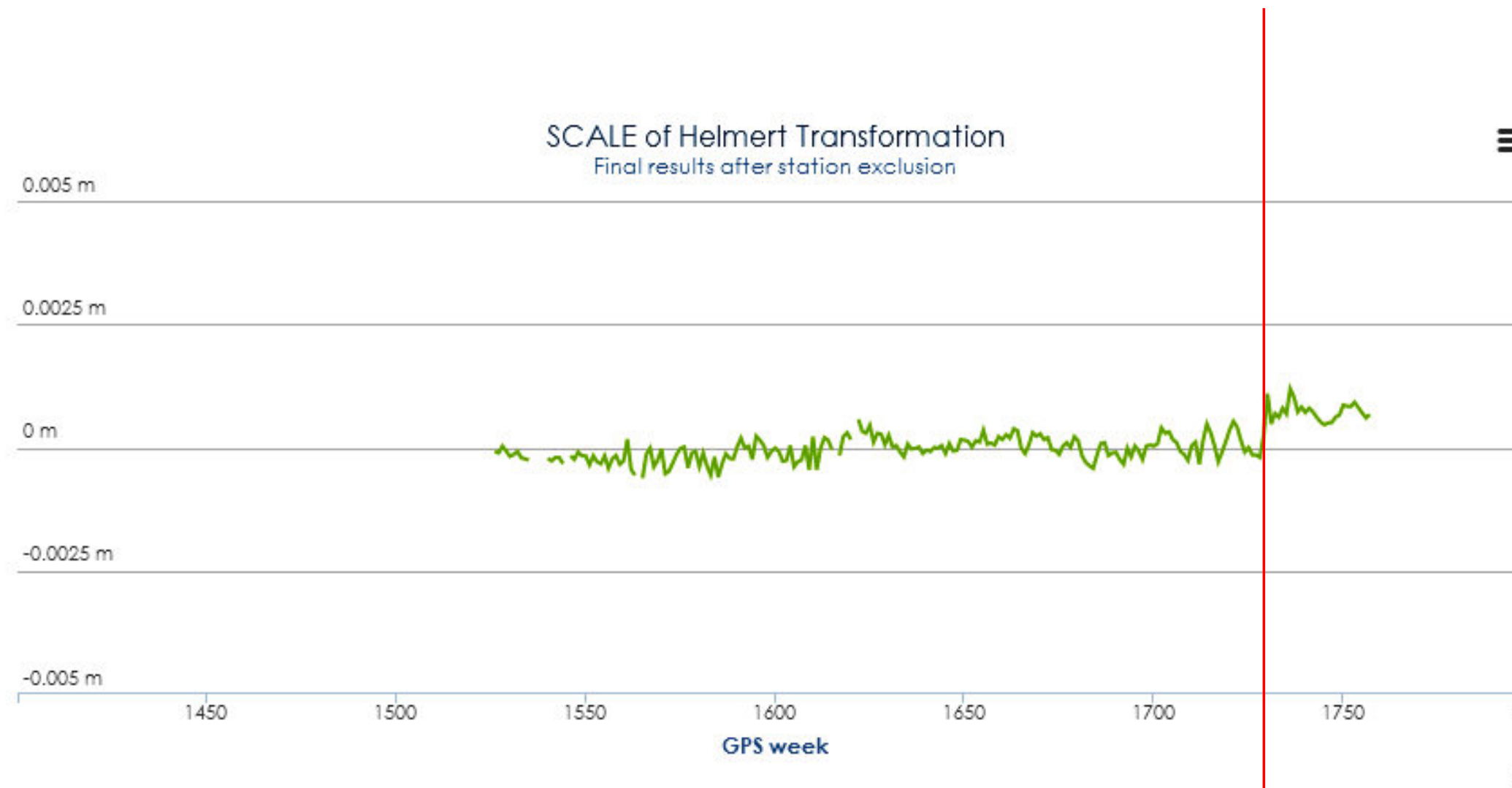
TRANSLATION Z of Helmert Transformation  
Final results after station exclusion



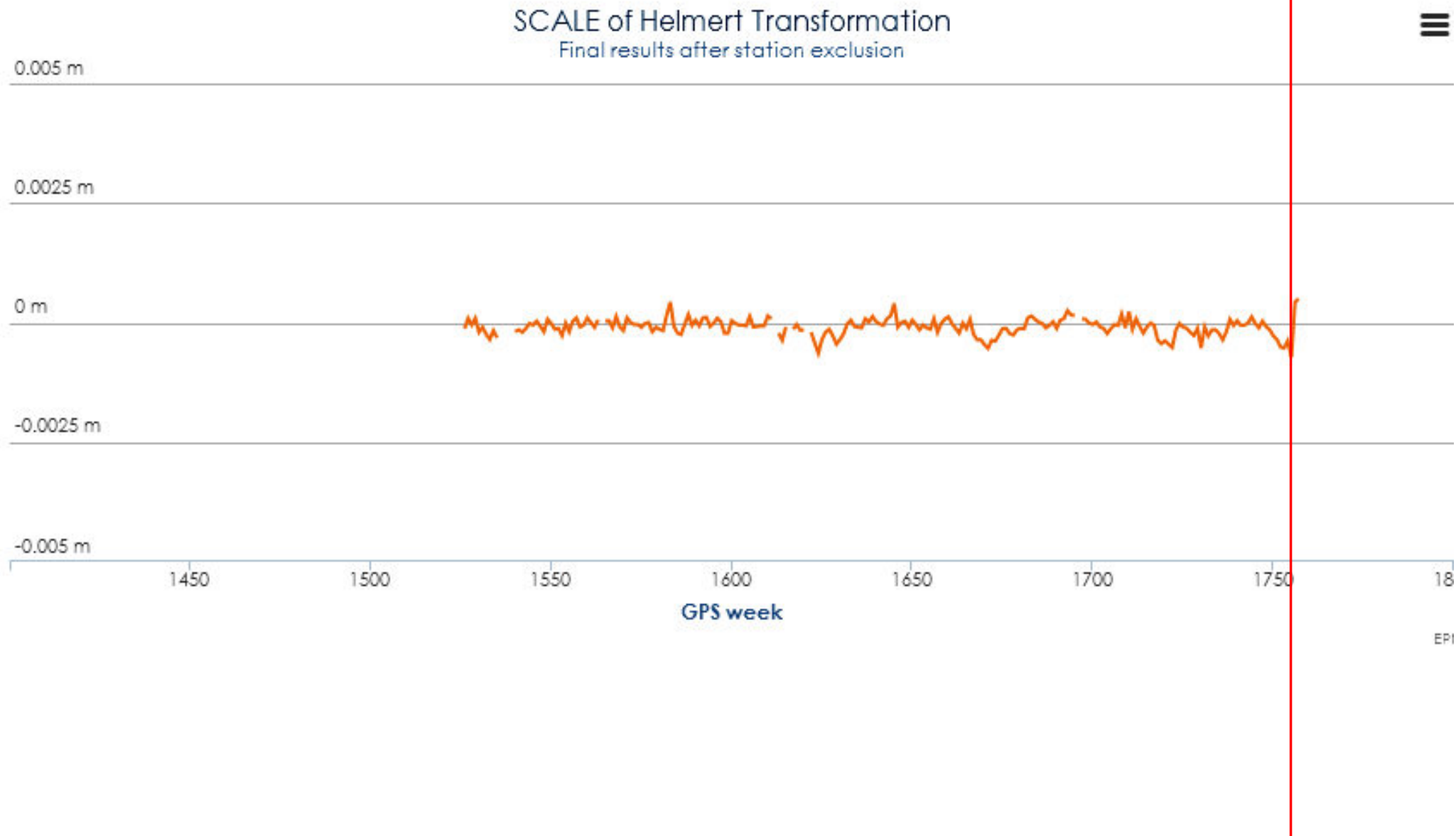
ROTATION Z of Helmert Transformation  
Final results after station exclusion



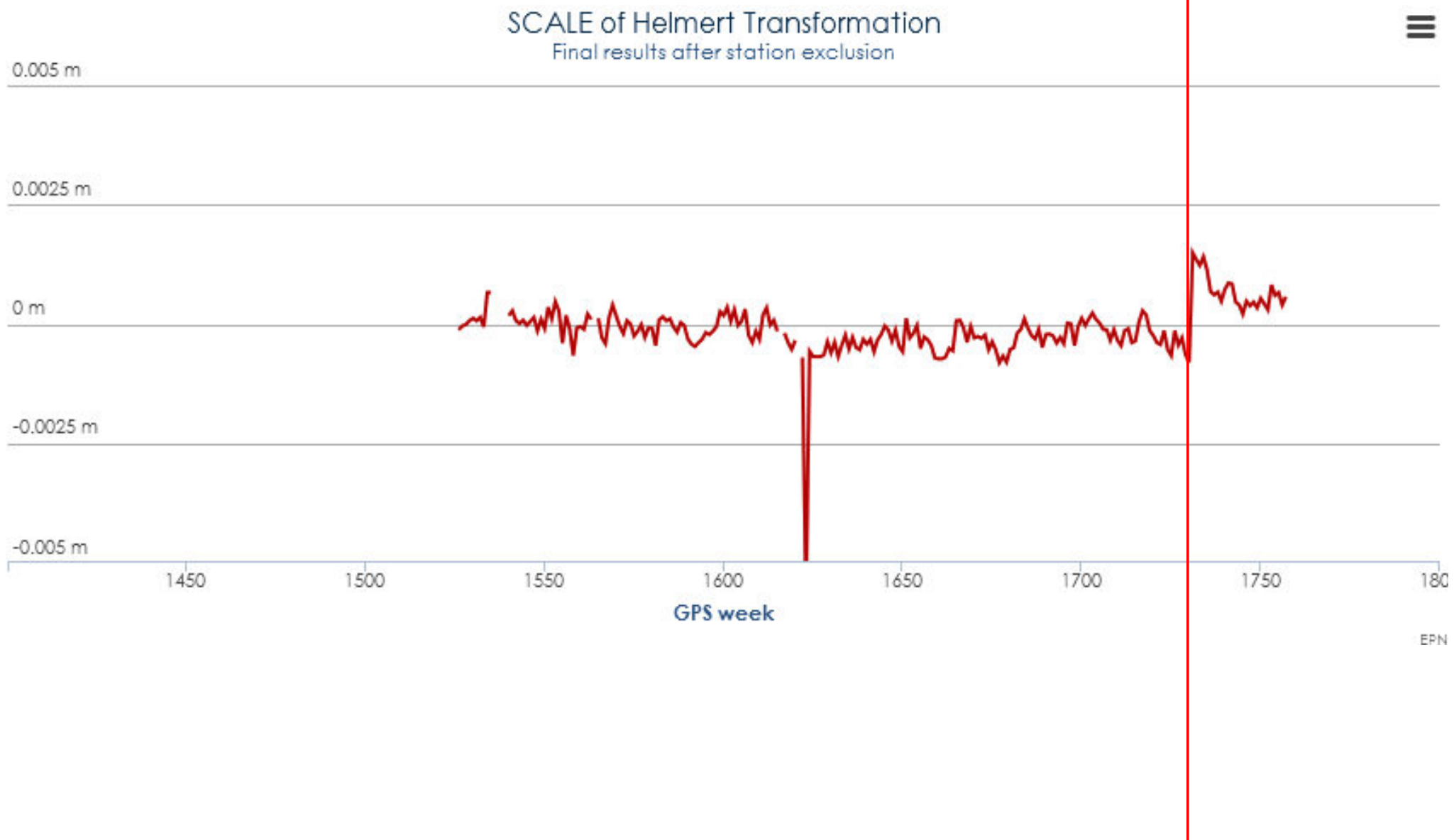
# BKG: switch to BSW 5.2 (1730)



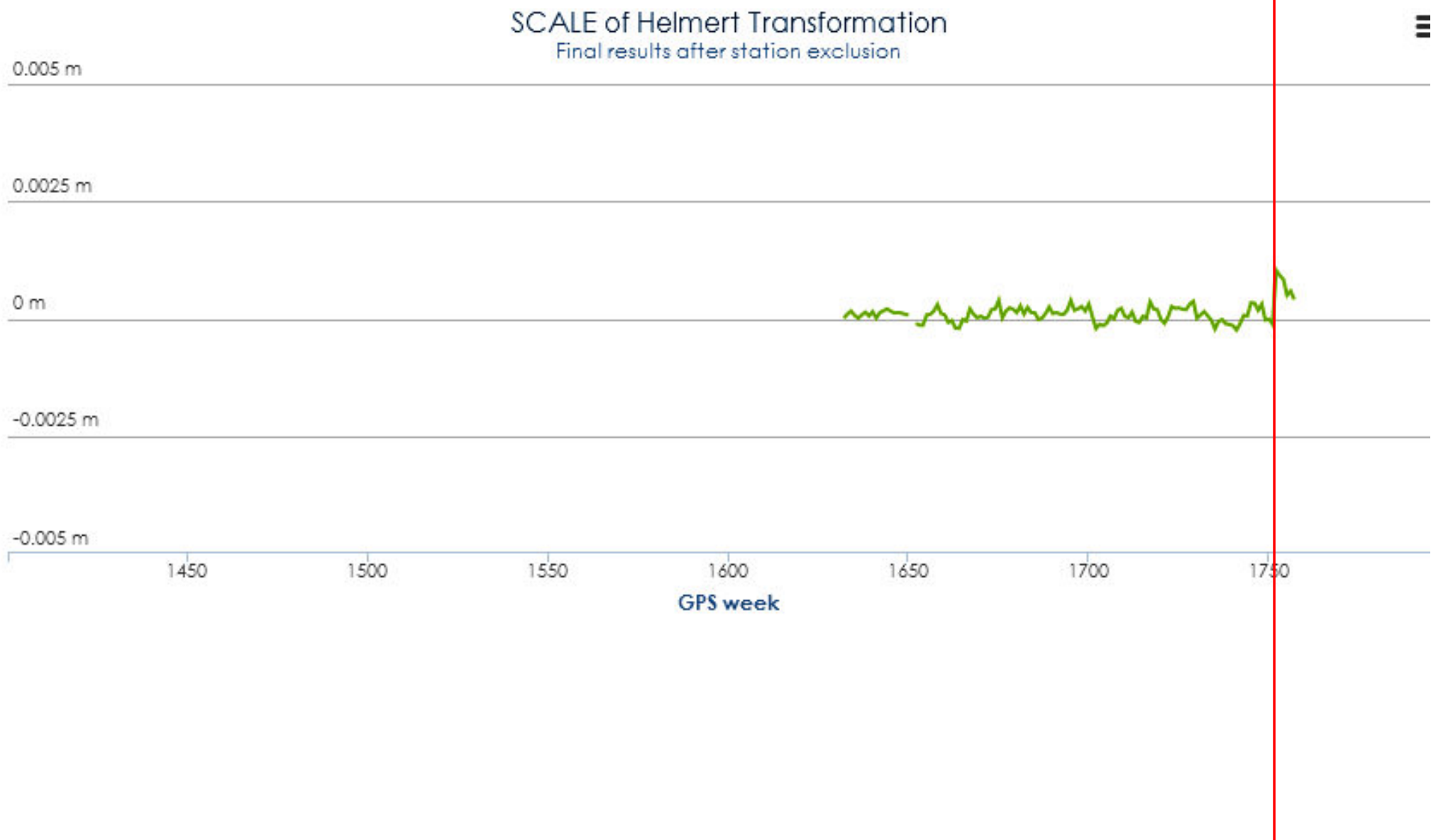
# IGE: switch to BSW 5.2 (1756)



# LPT: switch to BSW 5.2 (1731)



# RGA: switch to BSW 5.2 (1752)



# MUT: switch to BSW 5.2 (1755)

