The BfG-GNSS monitoring network
Delivering a continuous georeferencing service for waterway management tasks

22 June, 10:30-12:00
BfG-GNSS monitoring network

- officially operational since July 2020
- 38 stations on the North Sea coast
- 5 stations in the inland
- expansion to the Baltic Sea planned this year with 6 more stations

- georeferencing of tide gauges
- monitoring of hydraulic structures
- reference network for density measurements
- German Strategy for Adaptation to Climate Change (DAS)
Time series analysis

original height time series at the FINO1 research platform

shape of smoothed time series
processed time series after outlier test (Grubbs test) and discontinuity detection (switching edge detection algorithm + a priori information)

no significant change in height