



## **The assimilation of multi-GNSS tropospheric data**

Florian Zus, XingXing Li, Galina Dick, Stefan Heise, and Wickert Jens  
GFZ Potsdam, 1.1, Potsdam, Germany (zusflo@gfz-potsdam.de)

Radio signals which are transmitted by the multi-GNSS constellation and received by a ground-based station allow the estimation of the Zenith Total Delay, the so-called horizontal delay gradients and Slant Total Delays. We developed operators to assimilate these multi-GNSS tropospheric data in a variational data assimilation framework. In this presentation we overview our latest impact trials using simulated and real observation.