

Troposphere Activities at the 2018 IGS Workshop

Tuesday Oct 30, 2018 at 08:30 - 10:00.

Plenary Session PY03: Troposphere

Session Chair: R. Pacione

Presentations:

1. Galina Dick et al.: Multi-GNSS Activities for Atmosphere Sounding at GFZ
2. Shaocheng Zhang et al.: Impact of second-order ionospheric delays on troposphere ZWD estimation with GPS and BeiDou measurements
3. Junhong (June) Wang et al.: GCOS Reference Upper Air Network (GRUAN) GNSS Precipitable Water Product
4. Michal Kačmařík et al.: On the estimation and use of GNSS tropospheric gradients for meteorological applications
5. Karina Wilgan et al.: Tropospheric path delays derived from very high-resolution GNSS-based troposphere models and spaceborne SAR interferometry
6. Zhizhao Liu et al.: GPS Water Vapor Data to Improve Water Vapor Retrieval from MERSI/FY-3B Remote Sensing Satellite

Tuesday Oct 30, 2018 at 16:00 – 16:30.

IGS Troposphere Working Group Splinter Meeting

Session lead: Rosa Pacione

Agenda (tentative): status of IGS Troposphere Estimates; RINEX format standardization; demo of IGS TWG website/IGS TWG troposphere-comparison app.

Poster Session PS04: Troposphere

Poster tour: Wednesday 31st October 15:00-15:30

(Posters may be available for viewing at other times, too.)

Posters:

1. Kefei Zhang et al.: GNSS+ Tropospheric Sounding for Weather and Climate – An Australian Perspective
2. Zhigui Kang et al.: GNSS-based precise troposphere zenith path delay determination with high temporal resolution

3. Tong Ning et al.: Trends in the atmospheric water vapour estimated using different elevation-angle-dependent parameters in the GPS
4. Xiaoming Wang et al.: Atmospheric sounding with ground-based, satellite-based and balloon-based GNSS for climate and meteorology study
5. Vladimir Suvorkin et al.: Comparison of zenith troposphere delay from different techniques
6. Han Tan et al.: Integrating high-, medium- and low-earth orbit navigation satellite constellations to retrieve atmospheric water vapor
7. Yuxin Zheng et al.: Assimilation of GNSS zenith total delay in the weather research and forecasting model: a case study
8. Zhiyu Zhang et al.: Impact of high-order ionospheric effects on estimated tropospheric parameters with GPS data
9. Peter Damian Eneka et al.: Analysis and comparison of tropospheric scintillation prediction models at Ogun University