



Session 1: Sep 1, 2016, am

Working Group 2 GNSS for severe weather monitoring (GNSS4SW)

Session chairs: Eric Pottiaux and Siebren de Haan

09:00-09:15	Introduction WG2	
09:15-09:30	Tropical cyclone intensification, water vapor distribution and GNSS measurements	R. Nogherotto et al.
09:30-09:45	Understanding the role of the tropical moisture exports in extreme weather event of 7-8 January 2016 in Europe	Y. Reuveni et al.
09:45-10:00	Use of GNSS tropospheric products to study the foehn in Sofia for the 2004, 2008 and 2010	K. Stoev et al.
10:15-10:30	Assimilation of GNSS ZTD data from local dense GNSS networks in WRF model	G. Nykiel et al.
10:30-10:45	Investigating the effect of relative constraints on ZTD observation error correlation	G. Halloran et al.
10:45-11:00	Combining multi-spectral satellite image data with GPS tropospheric path delays to produce regional Integrated Water Vapor (IWV) maps	Y. Reuveni et al.
11:00-11:15	GNSS tomography and assimilation case studies using the COST benchmark dataset	G. Möller et al.
11:15-11:25	Discussion	
11:25-11:30	<i>Group photo</i>	
11:30-12:00	<i>Coffee Break</i>	

Session 2: Sep 1, 2016, pm

Working Group 3 GNSS for climate monitoring (GNSS4C)

Session chairs: Olivier Bock and Rosa Pacione

12:00-12:15	Introduction WG3	O. Bock
	Session 1: GNSS data processing and uncertainty assessment	
12:15-12:30	Can horizontal delay gradients estimated from GNSS data be used in climate research?	G. Elgered and T. Ning
12:30-12:45	The uncertainty of the atmospheric integrated water vapour estimated from GNSS observations	T. Ning et al.
12:45-13:00	discussion	
13:00-14:00	<i>Lunch</i>	

Session 2: IWV trends and variability		
14:00-14:15	Screening and validation of new reprocessed GNSS IWV data in Arctic region	O. Bock
14:15-14:30	Trends and diurnal cycle of IWV in Europe based on 16-year long GNSS datasets	K. Rannat and H. Keernik
14:30-14:45	Total Column of Water Vapor measured above the Arctic from space and from the ground: Seasonal and Monthly Trends for 2001-2015	D. Alraddawi and A. Sarkissian
14:45-15:00	IWV trends and variability from GPS, ERA-Interim and climate model simulations	A. Parracho et al.
15:00-15:15	IWV in climate models	S. Bastin
15:15-15:30	Relationship between the variation in sea surface temperature and GNSS-derived precipitable water vapor	X. Wang et al.
15:30-15:45	discussion	
15:45-16:15	<i>Coffee Break</i>	
Session 3: Homogenisation		
16:15-16:30	Summary of workshop on homogenization (Brussels, Apr 2016)	E. Pottiaux
16:30-16:45	A homogenization of GNSS tropospheric data with autoregressive process	A. Klos et al.
16:45-17:00	discussion	
18:15	<i>joint walk to harbour</i>	

new time of
Coffee Break!

Session 3: Sep 2, 2016, am

Working Group 1 Advanced GNSS processing techniques (AGNSS)

Session chairs: Galina Dick & Jan Dousa

09:00-09:10	Introduction WG1	Jan Dousa, Galina Dick
09:10-10:00	GNSS remote sensing at GFZ: Overview and recent results	Jens Wickert (invited)
10:00-10:15	Comparison of slant troposphere delays obtained from GNSS and ray-tracing through the WRF model	Jan Kaplon et al.
10:15-10:30	Comparison of IWV from PPP and PNP strategies for December 2013	Guergana Guerova et al.
10:30-10:45	Numerical weather model for improving BDS real-time precise point positioning	Cuixian Lu et al.
10:45-11:15	<i>Coffee Break</i>	
11:15-11:30	Kinematic GNSS experiment supported by precise augmented tropospheric model	Pavel Vaclavovic et al.
11:30-11:45	Progress in validation of slant delays within Benchmark campaign	Michal Kacmarik et al.
11:45-13:00	Reports of sub-groups	
	Sub-group Asymmetry: current status	Hugues Brenot et al.
	Sub-group Multi-GNSS: current status	Zhiguo Deng et al.
	Sub-group NEW: current status	Karolina Szafranek et al.
	Sub-group MODEL: NWM based tropospheric models and parameters for GNSS applications	Florian Zus et al.
	Sub-groups Real-time & PPP: Status of the Real-time Demonstration campaign	Pavel Vaclavovic and Norman Teferle et al.
	WG1 summary and discussion	Jan Dousa, Galina Dick
13:00 - 14:00	<i>Lunch</i>	

Management Committee Meeting: Sep 2, 2016, pm

14:00 -16:00	MC Meeting
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