G-VAP – Workshop

04 - 05 November 2015

Agenda

Venue:

University of Wisconsin's Lowell Center,
Madison, WI, USA

Version 1.3

04 January 2016

Wednesday, 4th Nov 2015

09:00 – 09:10	Welcome *Bennartz*
09:10 – 09:30	Aims of meeting and feedback from GDAP [01] *Schröder, Shi*
09:30 – 09:50	Public release of "G-VAP data" [02] *Schröder, all*
09:50 – 10:05	Overview on sources of uncertainty and exemplary uncertainty analysis using NUCAPS results [03] *Gambacorta*
10:05 – 10:20	Information content and recent advances in the evaluation of the EUMETSAT IASI product (+ animation in separate file) [04] *August*
10:20 – 10:30	Discussion
10:30 – 11:00	Coffee break
11:00 – 12:00	Quality of instantaneous water vapor profiles assessed with NPROVS+ [05] *Reale*
	Assessing stability of long-term TCWV and water vapour profile data records [06] *Schröder*
	Discussion
12:00 – 13:30	Lunch break
13:30 – 15:30	Advances in the generation of multi-station radiosonde archives [07] *Durre*
	The ROM SAF temperature and humidity profiles from GPS RO observations [08] *Nielsen*
	An analysis of water vapour PDFs – an important element to better understand sampling uncertainties [09] *Kursinski*
	Collocation: best practices and related uncertainties [10] *Calbet*
	The diurnal cycle of TCWV using ground-based GNSS data [11] *Höschen (presented by Schröder)*
	Discussion
15:30 – 16:00	Coffee break
16:00 – 17:30	Recent results from analysing the NVAP-M data record [12] *Forsythe*
	AIRWAVE: An (A)ATSR based TCWV data record from ESA [13] *Casadio*
	Discussion
17:30	Adjourn

Thursday, 5th Nov 2015

09:00 – 10:30	The UW SSEC/CIMSS global clear sky infrared moisture products derived from HIRS and MODIS data [15] *Menzel*
	Consistent retrieval of TCWV from MERIS, MODIS and OLCI [16] *Preusker*
	Retrieving TCWV from Polder observations and its validation [17] *Riedi*
	Intercomparison of UTH products and consistency analysis [18] *Shi*
10:30 – 11:00	Coffee break
11:00 – 12:30	Assessing climate time series of TCWV against climate indices [19] Bennartz
	Evaluation of a new multi-decade TCWV record from HIRS with focus on stability [20] *Trent (presented by Schröder)*
	Intercomparison of the water vapour data records [21] *Graw*
	Changes in the frequency of extreme TCWV events [22] *Roman*
	Discussion
12:30 – 14:00	Lunch break
14:00 – 14:10	MODIS Terra and Aqua [15B] *Borbas*
14:10 – 14:30	A bias in observations in the 183 GHz line [23] *Brogniez (presented by Schröder)*
14:30 – 15:00	Recommendations to GDAP, agencies and others [24] *Schröder, all*
15:00 – 15:30	The G-VAP report: replanning and next steps [25] *Schröder, Shi, all*
15:30 – 16:00	G-VAP: A sustained assessment? [26] *Schröder, Shi, all*
16:00 – 16:30	Coffee break
16:30 – 17:30	Wrap-up, next meeting, all other business
17:30	Expected end

Participants:

Thomas August (EUMETSAT), Ralf Bennartz (Vanderbilt U/U Wisconsin),
Eva Borbas (U Wisconsin), Xavier Calbet (EUMETSAT), Stefano Casadio (ESA),
Heather Cronk (Colorado State U), Imke Durre (NOAA), John Forsythe (Colorado State U),
Antonia Gambacorta (NOAA), Kathrin Graw (DWD), Rob Kursinski (SSE),
Zhenglong Li (U Wisconsin), Paul Menzel (U Wisconsin), Johannes Nielsen (DMI),
Rene Preusker (FU Berlin), Anthony Reale (NOAA), Jerome Riedi (U Lille),
Jacola Roman (U Wisconsin), Marc Schröder (DWD), Lei Shi (NOAA), Bomin Sun (NOAA)