



8th EUMETSAT ROM SAF user workshop on GNSS radio occultation measurements

Programme

Tuesday

Agenda

Agenda time displays according to the selected time zone.

The selected timezone is Europe/London

09:15 to 09:55	Registration and welcome	
09:15 to 09:45	Registration	
09:45 to 09:50	Welcome	Andy Brown (ECMWF)
09:50 to 09:55	Welcome to SAF	Lothar Schüller (EUMETSAT)
09:55 to 10:00	Welcome to ROM SAF User Workshop 8	Kent Lauritsen (DMI)
10:00 to 14:00	Numerical Weather Prediction - 1 Chair: Katrin Lonitz	
10:00 to 10:30	On the assimilation of GNSS radio occultation data at DWD Presentation slides	Harald Anlauf (DWD)
10:35 to 11:05	Pathways for Integrating GNSS-RO in JCSDA JEDI Presentation slides	Ben Ruston (UCAR/JCSDA)
11:05 to 11:25	Coffee break	
11:25 to 11:55	Recent developments on the assimilation of GNSS-RO in the METEO-FRANCE global and regional NWP models Presentation slides	Dominique Raspaud (Meteo France)
12:00 to 12:30	Met Office highlights using GNSS-RO for NWP Presentation slides	Neill Bowler (Met Office)
12:30 to 13:30	Lunch break	
13:30 to 14:00	Lessons learned from the assimilation of RO data at high volume at ECCC Presentation slides	Josep Aparicio (Environment Canada)

14:05 to 17:20	Climate applications Chair: Kent Lauritsen	
14:05 to 14:35	Current and potential future applications of RO measurements in climate applications Presentation slides	Peter Thorne (Maynooth University)
14:40 to 15:10	Stratospheric Temperature Biases in the ERA5 reanalysis & plans for ERA6 Presentation slides	Bill Bell (ECMWF)
15:10 to 15:40	Group photo and coffee break	
15:40 to 16:10	Wegener Center RO processing and climate studies: recent results and ROM SAF perspectives Presentation slides	Gottfried Kirchengast (Wegener Center)
16:15 to 16:45	ROM SAF climate data records: applications and plans Presentation slides	Hans Gleisner (DMI)
17:30 to 19:30		
17:00 to 19:00	Ice breaker and posters	

Wednesday

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09:15 to 11:15	Numerical Weather Prediction - 2 Chair: Harald Anlauf	
09:15 to 09:45	Status on the operational assimilation of GNSS-RO data at ECMWF Presentation slides	Katrin Lonitz (ECMWF)
09:50 to 10:20	Recent Progress in GNSS RO Data Assimilation in NCEP GFS Presentation slides	Xuanli Li (SAIC@NOAA/NCEP/EMC)
10:25 to 10:55	Current status of GNOS data processing at CMA Presentation slides	Mi Liao (CMA)
10:55 to 11:15	Coffee break	
11:15 to 11:45	RO data processing - recent trends and open points Presentation slides	Christian Marquardt (EUMETSAT)
11:15 to 14:00	Polarimetric and Airborne RO Chair: Sean Healy	
11:50 to 12:20	Advances in GNSS PRO forward model and sensitivity to NWP microphysics schemes Presentation slides	Estel Cardellach (ICE-CSIC, IEEC) Ramon Padullés Rulló (ICE-CSIC, IEEC)
12:30 to 13:30	Lunch break	
13:30 to 14:00	Moisture in the Lower Free Troposphere and Radio Occultation Strategies for Obtaining Vertical Profiles In and Near Convection Presentation slides	Joe Turk (JPL, California Institute of Technology)

14:05 to 14:35	Assimilation of Airborne Radio Occultation data Presentation slides	Jennifer Haase (Scripps Institution of Oceanography, UCSD)
14:05 to 15:45	Space weather Chair: Stig Syndergaard	
14:40 to 15:10	Assimilation of Radio Occultation Bending Angles in a Global Ionospheric Model Presentation slides	Sean Elvidge (University of Birmingham)
15:15 to 15:45	1D Var Ionospheric Electron Density Retrieval - Analysis and Challenging Cases Presentation slides	Ishita Gulati (Met Office)
15:45 to 16:00	Coffee break	
16:00 to 16:30	High resolution Abel-Vary Chap Hybrid modeling from topside incomplete ionospheric GNSS RO data: Present and future improvements Presentation slides	Manuel Hernández-Pajares (UPC-IonSAT)
16:30 to 18:30	Working groups	
16:30 to 16:40	Working group introductions	
16:45 to 18:30	Working group discussions Proposed topics: <ul style="list-style-type: none"> • NWP assimilation with PRO/ARO (including New processing and technologies) [co-chairs: Harald Anlauf, Katrin Lonitz] • Climate applications [co-chair: Hans Gleisner] • Space Weather [co-chairs: Sean Elvidge, Riccardo Notarpietro] 	
18:30 to 20:30	Dinner at ECMWF restaurant	

Thursday

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09:30 to 15:00	Working group discussions and plenary
09:30 to 12:30	Working group discussions and drafting of recommendations
12:30 to 13:30	Lunch break
13:30 to 15:00	Plenary session