



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

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

# Wednesday

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

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

# Thursday

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