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The Radio Occultation Meteorology Satellite Application Facility (ROM SAF) is a decentralized facility under EUMETSAT responsible for delivering radio occultation products for Numerical Weather Prediction (NWP) and climate monitoring. Recent ROM SAF activities have focused on the preparations toward a full reprocessing to generate Climate Data Records (CDRs) from a number of Radio Occultation (RO) missions, namely CHAMP, GRACE, COSMIC, and Metop. Together these missions span more than 15 years of high-quality information about the state and change of atmospheric key variables.

ROM SAF is part of EUMETSAT's network of SAF's for the Third Continuous Development and Operations Phase (CDOP-3). The main objective of the ROM SAF is to generate and deliver operational radio occultation products from GNSS RO instruments onboard Metop, Metop-SG, Jason-CS/Sentinel-6 and other satellites for NWP and climate applications. A secondary objective is to develop ionosphere products for space weather applications for EUMETSAT's EPS-SG mission. A third objective is to deliver the Radio Occultation Processing Package (ROPP) which contains modules for processing and assimilation of RO data in NWP models.

This presentation will give an overview of ROM SAF activities with a focus on the generation of CDRs from reprocessing. Further information about the ROM SAF products and services are available at the website: http://www.romsaf.org
OSTS session
Regional and Global CAL/VAL for Assembling a Climate Data Record
Meeting name
Joint COSMIC Tenth Data Users' Workshop and IROWG-6 Meeting
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