GRAS Radio Occultation Measurements onboard of Metop

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The GRAS instrument onboard of the Metop-A satellite has been observing radio occultation measurements since switch-on in October 2006. Processing of the occultations to bending angle and refractivity is a joined effort between EUMETSAT and the GRAS SAF.

The presentation will first give an overview on recent activities regarding the GRAS bending angle data quality by:

1. comparing the measurements to ECMWF and COSMIC;
2. analyzing impact trials of the EMCWF model using "no RO", "GRAS only", "COSMIC only" runs;
3. analyzing the impact of the GPS and Metop orbit calculation on the GRAS bending angles;

and on the refractivity quality by:

1. looking at recent upgrades in the refractivity processing;
2. showing status and schedule for upcoming new products.

The second part of the presentation will give an outlook of the next upgrades in the operational GRAS processing.