

METOP GRAS MEASUREMENTS - THE INSTRUMENT PERSPECTIVE

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The GNSS Receiver for Atmospheric Sounding (GRAS) aboard the first European MetOp satellite is since fall 2006 producing measurement data. Early results from in orbit measurements will be presented. Focus will be on the GRAS receiver aspects, such as dual frequency, single frequency and open-loop tracking, data continuity and the rough relation to altitude, atmospheric conditions, etc.

Ongoing developments at Saab Space and Austrian Aerospace of next-generation GNSS navigation receivers (for Precise Orbit Determination, POD) as well as of GNSS radio occultation receivers (for atmospheric sounding in addition to POD) will also be highlighted.