

First results from the processing of GRAS raw sampling data

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The "GNSS Receiver for Atmospheric Sounding" (GRAS) receiver on board the European Metop-A satellite provides high frequency (1kHz) measurements of tropospheric radio occultation signals in its "raw sampling" mode. The details of the implementation as well as the measurement characteristics differ from COSMIC's "open loop" data, reflecting the independent development history of the different instruments.

In this presentation, we will provide an overview of the first retrieval results from GRAS raw sampling data as obtained with EUMETSAT's prototype processing system. We will also discuss some issues discovered in the GRAS data, and possible ways to mitigate them in the future.