

Reprocessed Metop/GOME-2 vertical ozone profiles

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In 2016, the O₃M SAF will reprocess the GOME-2 nadir ozone profile product in high resolution (40x80km) from both Metop-A and Metop-B. The generated data set will initially cover the wide swath modes of both instruments (GOME-2A: January 2007 – July 2013; GOME-2B: December 2012 – current). The aim of this reprocessing is to improve the existing ozone profile data set through harmonization, using the most recent version of the L1b together with a recent version of the L2 processor. This will deliver a consistent data set. The vertical ozone profile data set can be used in a variety of ways, e.g. in chemical transport models (CTM's) and for climate studies. This poster will provide more insight in the features & improvements that will be implemented for this reprocessing and will give insight in the first results on the verification of the data set against a reference data set.