**EUMETSAT Operational dual-Metop winds products**

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Abstract

EUMETSAT is currently deriving Atmospheric Motion Vectors (AMV) operationally from the EUMETSAT Polar System satellite Metop over polar areas. The launch of Metop-B in 2012 enables to double the product frequency, extracting AMVs from both Metop-A and Metop-B satellite data. Moreover the tandem configuration with two satellites on the same orbital plane but with a phase difference provided an interesting opportunity to create global AMVs from Metop satellites with a significant overlap in imagery data.

Therefore the latest EUMETSAT AMV processors produce new dual Metop winds derived from a pair of Metop-A and Metop-B images. The temporal gap between the two images used for the tracking is about 50 minutes. The dual-Metop product has a global coverage, which allows a direct comparison with other AMVs derived from geostationary satellite.

The updates of the algorithm of winds extraction using Metop satellites will be presented together with the results of dual-Metop products validation. Inter-products consistency and statistics of Metop-A, Metop-B, and dual-Metop AMV products over Polar Regions will also be discussed, as well as a summary of intended future developments, *e.g.* Triplet mode.