

NEWS BULLETIN 1/2014

Recent O3M SAF activities:

Absorbing Aerosol Index from PMDs

New data product, AAI from PMDs, has been available to users via near real-time and offline dissemination since last year. In comparison to the original AAI product utilizing the main science channel data, GOME-2 polarization detectors have better ground resolution (pixel size 10 km x 40 km for Metop-B and 5 km x 40 km for Metop-A) and therefore provide more accurate measurements for climate monitoring and other scientific use.

NRT ozone profiles via WMO/GTS

In addition to previously available BUFR and HFD5 formats via EUMETCast, near real-time coarse and high-resolution ozone profile products have been available via WMO/GTS in BUFR format since January 2014.

Offline surface UV products from Metop-B/GOME-2 instrument

Metop-B/GOME-2 replaced Metop-A/GOME-2 as the data source for offline surface UV products in the beginning of March 2014.

Apart from NRT and offline UV products (which are processed from Metop-B data only), now Metop-A and Metop-B versions of all other O3M SAF products are processed and disseminated to users.

New O3M SAF website

After long design and implementation period, completely renewed O3M SAF main web pages were published 8 May 2014. In addition to improved navigation, simplified structure and enhanced appearance, updates were made also to the data access procedures. Current and new O3M SAF users have now common registration process and access credentials to both data archives (FMI & DLR).

Upcoming O3M SAF activities:

IASI CO

The first O3M SAF IASI product will be the total CO column. The product is currently under review and should be available to the users via EUMETCast in autumn 2014.

LER

The Lambertian Equivalent Reflectance dataset will be based on Metop-A/GOME-2 measurements. It is currently under review and will be available to the users in autumn 2014.

Reprocessing

The O3M SAF will reprocess offline data products in 2014-2015.

The first reprocessed products that will be released are the AAI product from the Main Science Channels (MSC) and the Polarisation Measurement Detectors (PMDs). This reprocessing will use the GOME-2 L1b version v5.3 with OPERA (L2) processor v1.28. The major difference of this reprocessed product versus the current NRT and offline products is the implementation of degradation correction

for the Metop-A/GOME-2 data. This dataset will be released in autumn 2014.

The trace gases will be reprocessed in autumn and they should be available in November 2014. Furthermore, the reprocessed offline surface UV products will be available in early 2015.

User Forum

Planning for the next O3M SAF User Forum has started, more information will be available later.

Best regards,

O3M SAF Project team

<http://o3msaf.fmi.fi>

o3msaf@fmi.fi