



DESCRIPTION OF DIRECTORY

Content of directory: total ozone column product created from GOME-2 measurements onboard Metop satellites.

Files in directory:

bomw: The total ozone column product provides information about vertical column densities of ozone in the atmosphere. It is generated by the AC SAF (EUMETSAT Satellite Application Facility on Atmospheric Composition Monitoring).

CHARACTERISTICS OF THE DATA

Filenames: bomw<YYYYMMDD>_<HHMM>.png, where

<YYYYMMDD>_<HHMM>: date and time (UTC)

Update frequency:

daily

Format: png.

Uncertainty of measurement/methodology:

Uncertainties coming from the DOAS algorithm.

METHODOLOGY

It is generated by using an optimised DOAS (Differential Optical Absorption Spectroscopy) algorithm to determine the trace gas slant column. The DOAS slant column fitting is followed by Air Mass Factor (AMF) conversions to generate vertical columns. More information about the algorithm and the product validation is available:

https://acsaf.org/products/nto_o3.php

ADDITIONAL INFORMATION

https://www.met.hu/downloads.php?fn=/ismertetok/legkori_ozon_ismerteto.pdf

https://acsaf.org/docs/pum/Product_User_Manual_NTO_OTO_Nov_2019.pdf

REVISION HISTORY

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CONTACT POINT

odp@met.hu

