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Tropospheric Emission Monitoring Internet Service

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The Tropospheric Emission Monitoring Internet Service (TEMIS), part of the Data User Programme (DUP) of ESA, is an operational processing and archiving center for tropospheric data sets for targeted user groups. These data sets consist of global concentrations of tropospheric NO₂, tropospheric HCHO, volcanic SO₂, BrO, ozone, aerosols, clouds and UV products derived from observations of nadir-viewing UV-VIS satellite instruments such as GOME, SCIAMACHY and OMI. The TEMIS data products are often made available within a few hours after observation. The data is widely used for monitoring the ozone hole, local UV forecasts, monitoring air pollution and support to aviation control. TEMIS (<http://www.temis.nl/>) will be demonstrated and further discussed.