



Tropospheric Emission Monitoring Internet Service

R. van der A and the TEMIS Team

KNMI, Atmospheric Composition Research Division, De Bilt, Netherlands (avander@knmi.nl)

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 consists 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, climate change studies and support to aviation control.