



Overview of Science Results of Aura's Ozone Monitoring Instrument

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The Ozone Monitoring Instrument (OMI) is the Dutch-Finnish contribution to the NASA EOS-Aura platform, which was launched in July 2004. OMI is the first of a new generation of UV-Visible space borne spectrometers that use two-dimensional detectors. These detectors enable OMI to daily observe the entire Earth with small ground pixel size (13x24 km² at nadir), which makes this instrument extremely suitable for tropospheric research. The scientific objectives of OMI concern the recovery of the ozone layer, tropospheric pollution, the contribution of tropospheric ozone and aerosols to climate change and changes in surface UV-B. In this presentation an overview will be presented of several results obtained in the first two and a half years of the OMI instrument on Aura, with the focus on tropospheric pollution.