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## Validation of OMI UV products: first results of comparisons with two Austrian ground stations

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The ozone monitoring instrument (OMI) onboard the EOS/AURA satellite was launched on 15. July 2004. The OMI products include among other things total column ozone, total column NO2, cloud characteristics, aerosol optical thickness and single scattering albedo, SO2, UV-B, HCHO and BrO. A first validation of the products has been performed, a more thoroughly validation is now being performed.

In this presentation we show comparisons of OMI retrieved ground UV with ground measured UV for two stations: Sonnblick (12.8 E, 47.05 N, 3106 m altitude) and Grossenzersdorf (16.57 E, 48.20 N, 156m altitude) for one full year.

First satellite UV is compared with ground UV for cloudless sky conditions. Influence of changes in ground albedo, in turbidity on the accuracy of the ground retrieved UV is analysed.

Second we perform the comparison for totally cloud covered conditions. The accuracy of retrieved ground UV here mostly depends on the appropriate determination of the cloud optical depth.

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