



GOMOS/ENVISAT overview

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GOMOS (Global Ozone Monitoring by Occultation of Stars) on ESA's Envisat-satellite measures transmission of light through the Earth's atmosphere in the limb direction using the stellar occultation method. From transmissions it is possible to retrieve vertical density profiles of ozone, NO₂, NO₃, H₂O, O₂, aerosols, and neutral air in the stratosphere and mesosphere. High-resolution temperature profiles can be retrieved using data from the two fast photometers. Since the launch in 2002 GOMOS has measured more than 300 000 occultations. In this presentation we will show main highlights from GOMOS.