

Publikationsliste:

Scharringhausen, M., A. C. Aikin, J. P. Burrows and M. Sinnhuber: Global column density retrieval of mesospheric and thermospheric MgI and MgII from SCIAMACHY limb and radiance data, *J. Geophys. Res.*, Vol. 113, p. D13303, doi: 10.1029/2007JD009043, 2008a.

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Langowski, M., M. Sinnhuber, A. C. Aikin, C. von Savigny and J. P. Burrows, Retrieval algorithm for densities of mesospheric and lower thermospheric metal and ion species from satellite borne limb emission signals, *Atm. Meas. Tech.*, Vol. 7, Pages 29-48, 2014.

Langowski, M., C. von Savigny, J. P. Burrows, W. Feng J. M. C. Plane, D. R. Marsh, D. Janches, M. Sinnhuber, and A. C. Aikin, Global investigation of the Mg atom and ion layers using SCIAMACHY/Envisat observations between 70 km and 150 km altitude and WACCM-Mg model results, *Atm. Chem. Phys. Disc.*, Vol. 14, Pages 1971-2019, 2014.

Planned Publications on Na densities in the mesosphere and lower thermosphere and a survey of SCIAMACHY emission features.

Publikationen aus Kooperationen:

Aikin, A. C., J. M. Grebowsky and J. P. Burrows, Satellite measurements of the atmospheric content of metallic ion and neutral species, *Adv. Space Res.*, Vol. 33, p. 1481-1485, 2004

Correira, J., A. C. Aikin, J. M. Grebowsky, W. D. Pesnell and J. P. Burrows: Seasonal variations of magnesium atoms in the mesosphere--thermosphere, *Geophys. Res. Lett.*, Vol. 35, p. 330-337, 2008.

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Dissertationen:

M. Scharringhausen, *Investigation of Mesospheric and Thermospheric Magnesium Species from Space*, 2007, Universität Bremen.

M. Langowski, to be submitted in 2014

J. Correira, *Temporal and Spatial Distribution of Metallic Species in the Upper Atmosphere*, 2009, The Catholic University of America, Washington, D. C. .