

HICRU for SCIAMACHY

Release Notes

This document describes the differences between different releases of the HICRU cloud data product including references.

Version 1.0 (first official release), 05/2005

changes compared to BETA-3:

- the parametrization of the retrieval is improved for high latitudes (> 50 degree, < -50 degree)
- the lower thresholds are improved due to a larger level-1 dataset used for retrieval.
- HICRU is now available for more level-1 data: 01/2003 – 11/2004. Note, that not all level-1 data is available for cloud retrieval during this time period.

Version 1.0 of HICRU is available for download free of charge.

BETA-releases, since 09/2004

Data of the beta releases (BETA-1, BETA-2, BETA-3) are available as maps since 09/2004 (BETA-1) and as ASCII data (BETA-2 and BETA-3) since 01/2005 on request. Some presentations of HICRU on conferences refer to BETA releases of HICRU.

BETA-1: Grzegorski, M., C. Frankenberg, U. Platt, M. Wenig, N. Fournier, P. Stammes, and T. Wagner, Determination of cloud parameters from SCIAMACHY data for the correction of tropospheric trace gases, Proceedings of the ENVISAT & ERS Symposium, 6-10 September 2004, Salzburg, Austria, ESA publication SP-572, (CD-ROM), 2004.

BETA-3: Michael Grzegorski, Christian Frankenberg, Suniti Sanghavi, Nicolas Fournier, Piet Stammes, Ulrich Platt and Thomas Wagner; Application of the HICRU cloud algorithm on SCIAMACHY: design and intercomparison; EGU poster presentations, Vienna 2005.