



CINDI-2 publications plan

February 2019 update

BELGISCH INSTITUUT VOOR RUIMTE-AERONOMIE INSTITUT D'AERONOMIE SPATIALE DE BELGIQUE BELGIAN INSTITUTE OF SPACE AERONOMY BELGISCH INSTITUUT VOOR RUIMTE-AERONOMIE INSTITUT D'AERONOMIE SPATIALE DE BELGIQUE BELGIAN INSTITUTE OF SPACE AERONOMY BELGISCH INSTITUUT VOOR RUIMTE-AERONOMIE INSTITUT D'AERONOMIE SPATIALE DE BELGIQUE BELGIAN INSTITUTE OF SPACE AERONOMY BELGISCH INSTITUUT VOOR RUIMTE-AERONOMIE INSTITUT D'AERONOMIE SPATIALE DE BELGIQUE BELGIAN INSTITUTE OF SPACE AERONOMY

Submitted/in review/published papers:

1. Beirle, S., The Mainz Profile Algorithm (MAPA), Atmos. Meas. Tech. Discuss., <https://doi.org/10.5194/amt-2018-375>, in review, 2018
2. Friess, U., et al., Intercomparison of MAX-DOAS Vertical Profile Retrieval Algorithms: Studies using Synthetic Data, Atmos. Meas. Tech. Discuss., <https://doi.org/10.5194/amt-2018-423>, in review, 2018
3. Peters, E., et al., Full-azimuthal imaging-DOAS observations of NO₂ and O₄ during CINDI-2, submitted to AMTD in January 2019
4. Wang, Y., et al., Vertical profiles of tropospheric ozone from MAX-DOAS measurements during the CINDI-2 campaign: Part 1—Development of a new retrieval algorithm. Journal of Geophysical Research: Atmospheres, 123, 10,637–10,670. <https://doi.org/10.1029/2018JD028647>
5. Bösch, T., et al., BOREAS – a new MAX-DOAS profile retrieval algorithm for aerosols and trace gases, Atmos. Meas. Tech., 11, 6833-6859, <https://doi.org/10.5194/amt-11-6833-2018>, 2018



CINDI-2 publications plan

February 2019 update

BELGISCH INSTITUUT VOOR RUIMTE-AERONOMIE INSTITUT D'AERONOMIE SPATIALE DE BELGIQUE BELGIAN INSTITUTE OF SPACE AERONOMY BELGISCH INSTITUUT VOOR RUIMTE-AERONOMIE INSTITUT D'AERONOMIE SPATIALE DE BELGIQUE BELGIAN INSTITUTE OF SPACE AERONOMY BELGISCH INSTITUUT VOOR RUIMTE-AERONOMIE INSTITUT D'AERONOMIE SPATIALE DE BELGIQUE BELGIAN INSTITUTE OF SPACE AERONOMY BELGISCH INSTITUUT VOOR RUIMTE-AERONOMIE INSTITUT D'AERONOMIE SPATIALE DE BELGIQUE BELGIAN INSTITUTE OF SPACE AERONOMY

Papers in preparation:

1. Campaign overview (campaign goals and design, participating instruments, meteorological conditions, etc) – Lead: A. Apituley
2. Semi-blind SCD intercomparison – Lead: K. Kreher and M. Van Roozendael
3. Evaluating different methods for elevation calibration of MAX-DOAS instruments during the CINDI-2 campaign – Lead: S. Donner
4. Consistency of MAX-DOAS aerosol and trace gas profiling during CINDI-2 - Lead: L. Tirpitz
5. HONO profile intercomparison (MAX-/LP-DOAS) – Lead: Y. Wang
6. Pandora real time profile retrieval algorithm applied to CINDI-1 and -2 data – Lead: E. Lind
7. FRM₄DOAS processing system description including CINDI-2 reprocessing data – Lead: F. Hendrick

