

Posters of the 9th DOAS Workshop 13–15 July 2020

Version date: 10 July 2020

Poster are listed below, sorted alphabetically on the last name of the presenter.

Poster pitches of 1 minute with 1 slide are organised as follows (times are in UTC; see also the main programme):

Day 1: Monday 13 July 2020

09:50 - 09:57 Poster pitches (6 × 1 min.) numbers: 40, 58, 9, 26, 27, 29

14:00 - 14:06 Poster pitches (5 × 1 min.) numbers: 5, 6, 14, 22, 23

15:50 - 15:57 Poster pitches (6 × 1 min.) numbers: 10, 33, 7, 4, 11, 12

Day 2: Tuesday 14 July 2020

09:50 - 09:58 Poster pitches (6 × 1 min.) numbers: 36, 45, 50, 51, 52, 54, 37

11:40 - 11:47 Poster pitches (6 × 1 min.) numbers: 30, 34, 35, 44, 46, 48

14:00 - 14:07 Poster pitches (6 × 1 min.) numbers: 2, 17, 21, 41, 16, 59

15:50 - 15:56 Poster pitches (6 × 1 min.) numbers: 3, 32, 38, 39, 20

Day 3: Wednesday 15 July 2020

09:50 - 09:58 Poster pitches (7 × 1 min.) numbers: 47, 18, 24, 25, 28, 31, 55

11:40 - 11:47 Poster pitches (6 × 1 min.) numbers: 1, 13, 15, 19, 49, 53

14:00 - 14:06 Poster pitches (6 × 1 min.) numbers: 8, 42, 43, 56, 60

no. title & presenting author

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|----|--|
| 01 | The Mainz Profile Algorithm MAPA
<i>Steffen Beirle</i> |
| 02 | Aircraft-based 2- and 3D trace gas measurements with HAIDI (Heidelberg Airborne Imaging DOAS Instrument) – Results of the EMerGe missions
<i>Katja Bigge</i> |
| 03 | NO ₂ profiling using Pandora instruments in Toronto, Canada
<i>Kristof Bognar</i> |
| 04 | Comparison of measured and simulated NO ₂ and HCHO integral content in the atmospheric boundary layer in Moscow region
<i>Alexander Borovski</i> |
| 05 | The FDR4ATMOS project and its use for the DOAS community
<i>Tim Bösch</i> |
| 06 | Validation of SO ₂ layer height from TROPOMI as a part of OPAS Engage-KTN SESAR project
<i>Hugues Brenot</i> |
| 07 | Evaluating the effect of aerosols on OMI NO ₂ retrievals using airborne in-situ and direct-sun measurements during KORUS-AQ
<i>Stephen Broccardo</i> |
| 08 | Tomographic view of gas emissions using an improved algorithm with adaptive regularization
<i>Nicolás Casaballe</i> |

- 09 The characteristics of NO₂ concentrations retrieved from MAX-DOAS during the summer of 2014 at Raoyang station in China
Siyang Cheng
- 10 Measurements of the water vapor absorption cross sections in the blue-violet spectral range by cavity-enhanced extinction spectroscopy
Randall Chiu
- 11 Horizontal distribution of tropospheric NO₂ derived from dual-scan multi-wavelength MAX-DOAS measurements in Uccle (Belgium)
Ermioni Dimitropoulou
- 12 Monitoring of SO₂ and BrO in volcanic gas plumes via MAX-DOAS: the Network for Observation of Volcanic and Atmospheric Change (NOVAC) exemplified for Masaya volcano from 2014-2020
Florian Dinger
- 13 Sensitivity study for the fit settings for the retrieval of HCHO slant column densities from MAX-DOAS measurements using synthetic and measured spectra
Sebastian Donner
- 59 One year of MAX-DOAS measurements of tropospheric trace gases and aerosols in the suburban area of London
Sebastian Donner
- 14 Using NDACC MAX-DOAS Central Processing System data for TROPOMI NO₂ and HCHO column validation: first results
Martina Friedrich
- 15 HeiDOAS: A new framework for DOAS applications
Udo Frieß
- 16 Trend analysis of stratospheric NO₂ and BrO measured by ground-based UV instruments over Kiruna, Sweden
Myojeong Gu
- 17 Advancements in iterative cavity enhanced DOAS instruments
Martin Horbanski
- 18 Profiles of tropospheric ozone retrieved from MAX-DOAS and validation in China
Xiangguang Ji
- 19 Uncertainty of PGN data products – current status and planned improvements
Karin Kreher
- 20 MAX-DOAS measurements of BrO from the great Rann of Kachhach, India
Vinod Kumar
- 21 The Airyx 2D SkySpec instrument: MAX-DOAS measurements of tropospheric NO₂ and HCHO in Munich and the comparison to satellite observations
Johannes Lampel

- 22 Variability of nitrogen oxide lifetimes and emission fluxes estimated by Sentinel-5P observations
Kezia Lange
- 23 Evaluation of TROPOMI cloud products for NO₂ retrievals
Miriam Latsch
- 24 Effects of aerosol peak height on the PBL and volcanic AMFs for satellite based SO₂ retrievals
Hanlim Lee
- 25 Research of vertical profile of aerosol extinction based on measured O₄ of multi-elevation angles with MAX-DOAS
Suwen Li
- 26 Long-term observations of aerosol optical properties and vertical distribution at Hefei
Xiaomei Li
- 27 Remote sensing of water vapor vertical distribution over Beijing with MAX-DOAS
Hua Lin
- 28 The influence of the spectral resolution of MAX-DOAS instruments on measurement errors
Haoran Liu
- 29 MAX-DOAS measurements of NO₂, SO₂, HCHO and BrO at the Mt. Waliguan WMO/GAW global baseline station in the Tibetan Plateau
Jianzhong Ma
- 30 On the added value of car-based Mobile-DOAS measurements for air quality model validation
Alexis Merlaud
- 31 Atmospheric aerosol detection based on MAX-DOAS
Zhiqiang Ning
- 32 Daytime HCHO and NO₂ observations from MAX-DOAS measurements in Eastern Los Angeles
Peter Peterson
- 33 Deriving an NO absorption cross section for deep UV active DOAS measurements
Denis Pöhler
- 56 2019 Antarctic stratospheric sudden warming – a DOAS perspective from three NDACC sites
Cristina Prados-Roman
- 34 OClO as observed by TROPOMI on Sentinel 5P
Janis Pukite

- 35 Estimation of NO_x, SO₂ and HCHO emissions from the megacity of Lahore, Pakistan using car MAX-DOAS observations and comparison with regional model and TROPOMI satellite data
Maria Razi
- 36 The vertical distribution of NO₂ and HONO in winter at a rural site of Hefei based on the Multi-Axis Differential Absorption Spectroscopy
Bo Ren
- 37 Measurement of water vapor in blue light band based on MAX-DOAS and seasonal correlation analysis of water vapor and aerosol extinction in Qingdao
Hongmei Ren
- 60 Retrieving the spatial distribution of trace gases using measurements of three ground-based MAX-DOAS instruments and vertical concentration profiles
Michael Revesz
- 38 Mapping NO₂ at the University of Colorado Boulder: a DOAS Educational Experience
Margarita Reza
- 39 Towards emission fluxes from wildfires: evaluation of divergence fluxes of inert and reactive gases
Jake Rowe
- 40 MAX-DOAS HCHO measurements: comparison with TROPOMI and FTIR in Australasia
Robert Ryan
- 41 Real driving NO_x emission measurements of vehicles and detection of manipulated emission control systems with ICAD-NO_x-instruments for plume chasing
Christina Schmidt
- 42 Spatial variability of vertical NO₂ and aerosols profiles in Vienna observed by three ground-based MAX-DOAS instruments
Stefan Schreier
- 43 Comparing ground-based MAX-DOAS measurements with airborne imaging DOAS measurements of ship emission plumes
André Seyler
- 44 MICRU effective cloud fractions for S-5P/TROPOMI
Holger Sihler
- 45 EMI formaldehyde retrieval over China
Wenjing Su
- 46 Assessment of the TROPOMI tropospheric NO₂ product based on airborne APEX observations
Frederik Tack

- 47 An automated dynamic chamber system combining IBBCEAS to measure HONO flux and NO₂ flux in farmland
Ke Tang
- 48 *Poster author is listed alphabetically after number 50*
- 49 Implications for deriving absolute effective O₃ temperature
Martin Tiefengraber
- 50 Spatiotemporal variations of NO₂ over Fukuoka Japan, observed by multiple MAX-DOAS and 3-D coherent Doppler lidar
Hironobu Ueki
- 48 TROPOMI SO₂ column retrievals: validation, inter-comparison with other satellite data sets and algorithm evolution
Michel Van Roozendael
- 51 Spatial and temporal changes of SO₂ regimes over China in recent decade and the driving mechanism
Ting Wang
- 52 Soil and anthropogenic source of nitrous acid observed by MAX-DOAS operated in the North China Plain
Yang Wang
- 53 A MAX-DOAS aerosol profile retrieval algorithm based on look-up table method: application to high-altitude measurements at Schneefernerhaus (UFS), Germany
Zhuoru Wang
- 54 Wintertime aerosol, NO₂ and HONO distributions from MAX-DOAS observations in Sichuan, southwest China
Chengzhi Xing
- 55 Observation of two-dimension distribution of NO₂, SO₂ and HCHO from plumes using imaging DOAS technology
Jin Xu
- 56 *Poster author is listed alphabetically after number 33*
- 57 *Poster converted to oral presentation*
- 58 First observation of tropospheric nitrogen dioxide from the Environmental Trace Gases Monitoring Instrument onboard the GaoFen-5 satellite
Chengxin Zhang
- 59 *Poster author is listed alphabetically after number 13*
- 60 *Poster author is listed alphabetically after number 37*