

NDACC Publications – 2013

2013, C. Adams

K. Strong, X. Zhao, A.E. Bourassa, W.H. Daffer, D. Degenstein, J.R. Drummond, E.E. Farahani, A. Fraser, N.D. Lloyd, G.L. Manney, C.A. McLinden, M. Rex, C. Roth, S.E. Strahan, K.A. Walker, and I. Wohltmann
The spring 2011 final stratospheric warming above Eureka: anomalous dynamics and chemistry
Atmos. Chem. Phys., 13, 611-624
FTIR; Satellite; Model

2013, Bernhard, G.

A. Dahlback, V. Fioletov, A. Heikkilä, B. Johnsen, T. Koskela, K. Lakkala, and T. M. Svendby
High levels of ultraviolet radiation observed by ground-based instruments below the 2011 Arctic ozone hole
Atmos. Chem. Phys., 13, 10,573-10,590
doi:10.5194/acp-13-10573-2013
Spectral UV; UV Irradiance

2013, D. Griffin

K. A. Walker, J. E. Franklin, M. Parrington, C. Whaley, J. Hopper, J. R. Drummond, P. I. Palmer, K. Strong, T. J. Duck, I. Abboud, P. F. Bernath, C. Clerbaux, P.-F. Coheur, K. R. Curry, L. Dan, E. Hyer, J. Kliever, G. Lesins, A. Saha, K. Tereszchuk, M. Maurice, and D. Weaver
Investigation of CO, C₂H₆ and aerosols in a boreal fire plume over Eastern Canada during BORTAS 2011 using ground- and satellite-based observations, and model simulations
Atmos. Chem. Phys., 13, 10227-10241
FTIR; Satellite; Model; CO; C₂H₆; Aerosol

2013, Haluza, D.

Moshhammer, H., Simic, S., Hölzge, J., and Cervinka, R.
Connectedness to nature and Public (Skin) Health perspectives: Results of a representative, population-based survey among Austrian residents
International Journal of Environmental Research and Public Health
Int J Environ Res Public Health, 11(1): 1176–1191
doi: 10.3390/ijerph110101176
Spectral UV; Erythematous UV

2013 M. Palm

Golchert, S. H. W.; Sinnhuber, M.; Hochschild, G. Notholt, J
Influence of solar radiation on the diurnal and seasonal variability of O₃ and H₂O in the stratosphere and lower mesosphere, based on continuous observations in the tropics and the high Arctic

in Lübken, F. J. (ed.) *Climate and Weather of the Sun-Earth System (CAWSES)* Springer, 2013, 125
Microwave; Ozone; H₂O; Diurnal

2013, G. Pinardi

M. Van Roozendael, N. Abuhassan, C. Adams, A. Cede, K. Clemer, C. Fayt, U. Friess, M. Gil, J. Herman, C. Hermans, F. Hendrick, H. Irie, A. Merlaud, M. Navarro Comas, E. Peters, A.J.M. Piters, O. Puentedura, A. Richter, A. Schoenhardt, R. Shaiganfar, E. Spinei, K. Strong, H. Takashima, M. Vrekoussis, T. Wagner, F. Wittrock, and S. Yilmaz

MAXDOAS formaldehyde slant column measurements during CINDI: intercomparison and analysis improvement

Atmos. Meas. Tech., 6, 167-185

UVVis; HCHO, Validation

2013, W. Stremme

M. Grutter, C. Rivera, A.R. Garcia, I. Ortega, M. George, C. Clerbaux, P.-F. Coheur, D. Hurtmans, J.W. Hannigan, M.T. Coffey

Top-down estimation of the carbon monoxide emissions from the Mexico Megacity based on FTIR measurements from ground and space

Atmos. Chem. Phys., 13, 1357-1376, 2013. ISSN 1680-731

doi: 10.5194/acp-13-1357-2013

FTIR; Satellite; CO

2013, C. Viatte

K. Strong, C. Paton-Walsh, J. Mendonca, N. T. O'Neill, and J. R. Drummond

Measurements of CO, HCN, and C₂H₆ total columns in smoke plumes transported from the 2010 Russian boreal forest fires to the Canadian High Arctic

Atmos.-Ocean, 51 (5), 522-531

doi: 10.1080/07055900.2013.823373

FTIR; CO; HCN; C₂H₆

2013; C. Whaley

K. Strong, C. Adams, A.E. Bourassa, W.H. Daffer, D.A. Degenstein, H. Fast, P.F. Fogal, G.L. Manney, R.L. Mittermeier, B. Pavlovic, and A. Wiacek

Using FTIR measurements of stratospheric composition to identify mid-latitude polar vortex intrusions over Toronto

J. Geophys. Res. Atmos., 118 (2), 12766-12783

FTIR