

Corrigendum to

“A new modeling tool for the diffusion of gases in ice or amorphous binary mixture in the polar stratosphere and the upper troposphere” published in *Atmos. Chem. Phys.*, 10, 3099–3105, 2010

C. A. Varotsos¹ and R. Zellner²

¹Department of Applied Physics, University of Athens, Athens, Greece

²Institute of Physical Chemistry, University of Duisburg-Essen, Essen, Germany

Unfortunately the following typing error was noticed to the online publication: The citations “Katsambas et al., 1997; Kondratyev and Varotsos, 1996; Varotsos et al., 1994, 1995”, should not be in the abstract, but in the Introduction section (page 1, column 1, line 10), in order to read as follows: “Moreover, such particles, apart from their involvement to various mechanisms in the lower troposphere (Asimakopoulos et al., 1992; Cartalis and Varotsos, 1994; Ferm et al., 2005, 2006) also contribute to radiative forcing (Katsambas et al., 1997; Kondratyev and Varotsos, 1996; Varotsos, 1989, 2002, 2004, 2005; Varotsos et al., 1994, 1995, 2003, 2005; Varotsos and Kirk-Davidoff, 2006) as well as to chemical conversions in the upper troposphere where they exist in form of cirrus clouds and contrails (Tzanis and Varotsos, 2008).”

References

- Asimakopoulos, D., Deligiorgi, D., Drakopoulos, C., Helmis, C., Kokkori, K., Lalas, D., Sikiotis, D., and Varotsos, C.: An experimental-study of nighttime air-pollutant transport over complex terrain in Athens, *Atmos. Environ.*, 26, 59–71, 1992.
- Cartalis, C. and Varotsos, C.: Surface ozone in Athens, Greece, at the beginning and at the end of the 20th-century, *Atmos. Environ.*, 28, 3–8, 1994.
- Ferm, M., De Santis, F., and Varotsos, C.: Nitric acid measurements in connection with corrosion studies, *Atmos. Environ.*, 39, 6664–6672, 2005.
- Ferm, M., Watt, J., O’Hanlon, S., De Santis, F., and Varotsos, C.: Deposition measurement of particulate matter in connection with corrosion studies, *Anal. Bioanal. Chem.*, 384, 1320–1330, 2006.
- Katsambas, A., Varotsos, C. A., Veziryianni, G., and Antoniou, C.: Surface solar ultraviolet radiation: A theoretical approach of the SUVR reaching the ground in Athens, Greece, *Environ. Sci. Pollut. R.*, 4, 69–73, 1997.
- Kondratyev, K. Y. and Varotsos, C. A.: Global total ozone dynamics – Impact on surface solar ultraviolet radiation variability and ecosystems, *Environ. Sci. Pollut. R.*, 3, 205–209, 1996.
- Tzanis, C. and Varotsos, C. A.: Tropospheric aerosol forcing of climate: a case study for the greater area of Greece, *Int. J. Remote Sens.*, 29, 2507–2517, 2008.
- Varotsos, C.: Connections between the 11-year solar-cycle, the QBO and total ozone – comments, *J. Atmos. Terr. Phys.*, 51, 367–370, 1989.
- Varotsos, C.: The southern hemisphere ozone hole split in 2002, *Environ. Sci. Pollut. R.*, 9, 375–376, 2002.
- Varotsos, C.: The extraordinary events of the major, sudden stratospheric warming, the diminutive antarctic ozone hole, and its split in 2002, *Environ. Sci. Pollut. R.*, 11, 405–411, 2004.
- Varotsos, C.: Airborne measurements of aerosol, ozone, and solar ultraviolet irradiance in the troposphere, *J. Geophys. Res.-Atmos.*, 110, D09202, doi:10.1029/2004JD005397, 2005.
- Varotsos, C. and Kirk-Davidoff, D.: Long-memory processes in ozone and temperature variations at the region 60 degrees S–60 degrees N, *Atmos. Chem. Phys.*, 6, 4093–4100, 2006, <http://www.atmos-chem-phys.net/6/4093/2006/>.
- Varotsos, C., Kalabokas, P., and Chronopoulos, G.: Association of the laminated vertical ozone structure with the lower stratospheric circulation, *J. Appl. Meteorol.*, 33, 473–476, 1994.
- Varotsos, C., Ondov, J., and Efstathiou, M.: Scaling properties of air pollution in Athens, Greece and Baltimore, Maryland, *Atmos. Environ.*, 39, 4041–4047, 2005.
- Varotsos, C. A., Chronopoulos, G. J., Katsikis, S., and Sakellariou, N. K.: Further evidence of the role of air-pollution on solar ultraviolet-radiation reaching the ground, *Int. J. Remote Sens.*, 16, 1883–1886, 1995.
- Varotsos, C. A., Efstathiou, M. N., and Kondratyev, K. Y.: Long-term variation in surface ozone and its precursors in Athens, Greece – A forecasting tool, *Environ. Sci. Pollut. R.*, 10, 19–23, 2003.



Correspondence to: C. A. Varotsos
(covar@phys.uoa.gr)