

CURRICULUM VITAE, Grigory Nikulin**Education**

- 2005 PhD in atmospheric physics, Swedish Institute of Space Physics (IRF), Atmospheric Research Programme (Kiruna, Sweden) and Umeå University (Umeå, Sweden)
- 1997 Diploma in Meteorology, Russian State Hydrometeorological University, Meteorology department (St-Petersburg, Russia)

Positions

- 2007 - present Researcher, Swedish Meteorological and Hydrological Institute, Rossby Centre (Norrköping, Sweden)
- 2006 - 2007 Postdoc, Ecole Normale Supérieure, Laboratoire de Météorologie Dynamique (Paris, France)
- 2000 - 2005 PhD student, Swedish Institute of Space Physics and Umeå University (Kiruna, Sweden)
- 1997 - 2000 Research assistant, Polar Geophysical Institute, Arctic Atmosphere Laboratory (Apatity, Russia)

Teaching

Umeå University and Luleå University of Technology, Department of Space Science (Kiruna, Sweden)

- 2005 Atmospheric physics course, lectures: "Rossby and gravity waves in the atmosphere", "Barotropic and baroclinic instabilities"
- 2002-2005 Atmospheric physics course, labs: "Radiosonde and thermodynamic diagrams"
- 2001-2002 Classical mechanics labs

PhD thesis

Impact of Rossby waves on ozone distribution and dynamics of the stratosphere and troposphere, IRF Scientific Report 285, 2005
(http://documents.irf.se/get_document.php?group=Administration&docid=475)

Selected published papers

Orsolini, Y. J., Karpechko, A., and Nikulin, G., Variability of the northern hemisphere polar stratospheric cloud potential: the role of North Pacific disturbances, accepted, *Quart. J. Roy. Meteor. Soc.*, 2009

Orsolini, Y. J., and Nikulin, G., A low ozone episode during the European heat wave of August 2003, *Quart. J. Roy. Meteor. Soc.*, 132, 667-680, 2006

Nikulin, G., and Karpechko, A., The mean meridional circulation and midlatitude ozone buildup, *Atmos. Chem. Phys.*, 5, 3159-3172, 2005

Karpetchko, A., and Nikulin, G., Influence of early winter upward wave activity flux on midwinter circulation in the stratosphere and troposphere, *J. Climate*, 17, 4443-4452, 2004

Nikulin, G. N., and Repinskya, R. P., Modulation of total ozone anomalies in the midlatitude Northern Hemisphere by the Arctic oscillation, *Izvestia - Atmospheric and Oceanic Physics*, Vol. 37, No 5, pp. 633-643, 2001

Beloglazov, M. I., Karpechko, A. Yu., Nikulin, G. N., and Roumjantsev, S. A., Surface ozone dynamics in the Kola peninsula region, *Phys. Chem. Earth (B)*, Vol. 25, No. 5-6, 431-433, 2000.

Roldugin, V. C., Nikulin, G. N., and Henriksen, K., Wave-like ozone movements, *Phys. Chem. Earth (B)*, Vol. 25, No. 5-6, 511-514, 2000