

Contents

Vol. 43, No. 3, 2018

Simultaneous English language translation of the journal is available from Allerton Press, Inc.
Distributed worldwide by Springer. *Russian Meteorology and Hydrology* ISSN 1068-3739.

Laws of Random Walks Derived by A.N. Kolmogorov in 1934 <i>G. S. Golitsyn</i>	135
Atmospheric Blockings in Western Siberia. Part 2. Long-term Variations in Blocking Frequency and Their Relation with Climatic Variability over Asia <i>O. Yu. Antokhina, P. N. Antokhin, E. V. Devyatova, and Yu. V. Martynova</i>	143
Estimating the Number of Cloud Layers through Radiosonde Data from Russian Aerological Stations for 1964–2014 <i>I. V. Chernykh and O. A. Aldukhov</i>	152
Validation of Atmospheric Numerical Models Based on Satellite Measurements of Ozone Columns <i>Ya. A. Virolainen, Yu. M. Timofeev, I. A. Berezin, S. P. Smyshlyaev, M. A. Motsakov, and O. Kirner</i>	161
Temporal Variations in the Vertical Distribution of Stratospheric Ozone over Obninsk from Lidar Data <i>V. A. Korshunov and D. S. Zubachev</i>	168
Icebergs in the Southern Ocean and Factors Defining Their Distribution <i>Yu. A. Romanov and N. A. Romanova</i>	178

The Winners of the Conference of Young Scientists

Forecast of Polar Stratospheric Vortex Dynamics Using the SL-AV Global Atmosphere Model <i>V. V. Shashkin</i>	188
Numerical Simulation of Wave Drag during Downslope Windstorms in Different Regions of Russia <i>A. A. Shestakova</i>	192

Communications

Impact of Altered Land Use on the Hydrology of Urban Territories <i>K. Kang, J. Lee, J. A. Chun, and D. Timlin</i>	197
---	-----

Instruments, Observations, and Processing

Actinometric System Aboard the Yak-42D “Roshydromet” Research Aircraft <i>G. E. Kolokutin, B. A. Fomin, and V. V. Petrov</i>	203
---	-----
