

Foreword

Wulfmeyer, V.: A vision for the 125th anniversary of
Meteorologische Zeitschrift 3

Editorial 5

Articles

SIENZ, F., I. BORDI, K. FRAEDRICH, A. SCHNEIDERREIT:
Extreme dry and wet events in Iceland: Observations,
simulations and scenarios 9

SCHNEIDERREIT, A., R. BLENDER, K. FRAEDRICH,
F. LUNKEIT: Icelandic climate and North Atlantic
cyclones in ERA-40 reanalyses 17

JÓNSSON, T., E. HANNA: A new day-to-day pressure
variability index as a proxy of Icelandic storminess and
complement to the North Atlantic Oscillation index
1823–2005 25

NIETO, R., L. GIMENO, D. GALLEGÓ, R. TRIGO:
Contributions to the moisture budget of airmasses over
Iceland 37

BJORNSSON, H., T. JÓNSSON, S.S. GYLFADÓTTIR,
E.O. OLASON: Mapping the annual cycle of
temperature in Iceland 45

BJORNSSON, H., E.O. OLASON, T. JÓNSSON,
S. HENRIKSEN: Analysis of a smooth seasonal cycle
with daily resolution and degree day maps for Iceland 57

RÖGNVALDSSON, Ó., J.F. JÓNSDÓTTIR, H. ÓLAFSSON:
Numerical simulations of precipitation in the complex
terrain of Iceland – Comparison with glaciological and
hydrological data 71

RÖGNVALDSSON, Ó., J.-W. BAO, H. ÓLAFSSON:
Sensitivity simulations of orographic precipitation
with MM5 and comparison with observations in
Iceland during the Reykjanes Experiment 87

ÁGÚSTSSON, H., J. CUXART, A. MIRA, H. ÓLAFSSON:
Observations and simulation of katabatic flows during
a heatwave in Iceland 99

ÁGÚSTSSON, H., H. ÓLAFSSON: Simulating a severe
windstorm in complex terrain 111

ÓLAFSSON, H., H. ÁGÚSTSSON: The Freysnes
downslope windstorm 123

Corrigendum

to MANNSTEIN, H., U. SCHUMANN: Aircraft induced
contrail cirrus over Europe (Meteorol. Z. vol. 14, no. 4,
p. 549–554) 131

Book Reviews 133