



The Reykjavik wake

Marius O. Jonassen (3,4), Haraldur Ólafsson (1,2,3), Ólafur Rögnvaldsson (3,4), Hálf dán Ágústsson (1,2,4)

(1) Háskóli Íslands (Univ. of Iceland), Reykjavík, Iceland (haraldur68@gmail.com), (2) Veðurstofa Íslands (Icelandic Meteorol. Office), (3) Bergen School of Meteorology, Geophysical Institute, University of Bergen, Norway, (4) Reiknistofa í veðurfræði (Institute for Meteorological Research), Reykjavík, Iceland

We present preliminary results from the wake flights in the MOSO 2 campaign that took place in Iceland, autumn 2011. The results include RPAS measurements (soundings) of an orographic wake in southwestern Iceland during a northerly wind storm. The results reveal a wake structure dominated by the local as well as the larger scale topography. The RPAS dataset is augmented with measurements from a network of automatic weather stations and simulations from a numerical weather model.