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Comment

Interactive comment on “Continuous measurements of atmospheric water vapour isotopes in Western Siberia (Kourovka)” by V. Bastrikov et al.

Anonymous Referee #2

Received and published: 18 March 2014

Reivew of Bastrikov et. al. 2014

The manuscript by Bastrikov et al presents observations of the isotopic composition of water vapor measured in western Siberia. Overall, I find the manuscript to be technically sound. However, the analysis and interpretation of the collected data are weak and the contribution to the broader scientific community is not clear. This paper seems to be primarily a presentation of a calibration scheme.

A wide variety of surface vapor measurements are currently being made worldwide, and thus these observations by themselves are not novel, except for their location. If

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the primary contribution of this work is the publication of observations in a new location, then a quality checked version of the data should be published with any article.

Additionally, I worry about the instrument placement. At 8 meters, the observation is within the canopy (15m) and thus is not a good representation of the large-scale processes occurring with the regional forest. The observations will partially represent the conditions within the clearing, yet at only 100m x 100m, I feel that there will much influence of the surrounding forest and the clearing itself. Thus, it is not clear what this instrument is measuring.

Interactive comment on Atmos. Meas. Tech. Discuss., 7, 475, 2014.

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