

Interactive comment on “Schneefernerhaus as a mountain research station for clouds and turbulence – Part 1: Flow conditions and large-scale turbulence” by S. Risius et al.

Anonymous Referee #2

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The paper is very well written and reports on interesting measurements on the Zugspitze. Overall the paper is nice and not much has to be added.

There are two points which I like to suggest and which should improve the work:

- 1) For Fig 4 the authors write: “.. different for wind from the west and from the east, which is most likely due to the different topography on the two sides”. This could be quantified by estimation the shape parameter of Weibull distribution. I expect values below 2 as the terrain is quite complex. This is a standard method, easy to be done.
- 2) for the power spectra it would be nice the show also the log derivative to show the

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local scaling exponents. A feature of general interest to see which other scaling are there.

Interactive comment on Atmos. Meas. Tech. Discuss., 8, 541, 2015.