

Interactive comment on “Application of the Aventech AIMMS20AQ airborne probe for turbulence measurements during the Convective Storm Initiation Project” by K. M. Beswick et al.

K. M. Beswick et al.

Received and published: 1 June 2007

We thank the reviewer for his short comment. The suggested reference indicates that the scaling for vertical motion may depart from the expected $-5/3$ to be nearer to $-11/5$. The data presented in the paper does show some evidence of conforming to the latter value. However, we make clear in the paper that we only have data available up to 5Hz: we feel it is therefore better to defer a more detailed discussion of this matter until the we are able to present a 20Hz dataset in the future, as we will have a broader spectrum of data to work from, and would therefore have greater confidence in the trends in the calculated power spectra.

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 3519, 2007.

S2224

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