

Interactive comment on “Uncertainty analysis of computational methods for deriving sensible heat flux values from scintillometer measurements” by P. A. Solignac et al.

Anonymous Referee #1

Received and published: 15 June 2009

The manuscript describes the test of two different methods to derive the sensible heat flux from scintillometer measurements. Both methods are already described in the literature and proper credit is given. The two methods are tested here for different Bowen ratio regimes. A first study of the given references shows that there already some recommendations for which Bowen ratios these methods should be used. I therefore ask the authors to make clearer what the really new things in their manuscript are.

After a larger data evaluation the present paper recommends the one method for high Bowen ratios and the other one for low Bowen ratios.

The paper does not really present something dramatically new. But the recommenda-

C291

tion drawn from the data evaluation may help for the future employment of scintillometers for flux measurements.

Interactive comment on Atmos. Meas. Tech. Discuss., 2, 1383, 2009.