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Atmospheric Measurement Techniques Discussions

Interactive comment on "Correction of static pressure on a research aircraft in accelerated flight using differential pressure measurements" *by* A. R. Rodi and D. C. Leon

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The paper describes flight and wind tunnel tests to establish the correction of static pressure on a research aircraft using the widely used Rosemount 858 probe. This is an aspect of airborne wind and turbulence measurements which is not well published in the public literature. Most tests of this type are done as in-house tests and rarely published. It is therefore a valuable initiative by the authors to write up their own tests, so that they can be reproduced and also used for calibrating similar instrumentation setups.

The problem under investigation, as well as the calibration approach, are described adequately and concisely. It is also good that the equations used are available as an appendix.

The only slight criticism I have is that the references are very much focused on US-based literature. I am pretty sure that there are reports and papers available from European or other sources that are dealing with this issue. For instance, I am sure that DLR in Germany has carried out such tests on their aircraft and instrumentation. I accept, however, that - as I say above - many of these reports are not in the public literature or easily available. So in this sense, my comment is not important enough to request any amendments.

Interactive comment on Atmos. Meas. Tech. Discuss., 5, 3611, 2012.