

Interactive comment on “Exploring the potential of the RPA system SUMO for multi-purpose boundary layer missions during the BLLAST campaign” by Joachim Reuder et al.

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This manuscript describes boundary layer observations made by a small remotely piloted aircraft system (RPAS) during the BLLAST campaign. The manuscript provides a brief summary of previous RPAS use for boundary layer studies, describes the SUMO RPAS and instrumentation in detail, discusses the SUMO observational strategy and issues related to securing airspace during BLLAST, and provides examples of observations acquired with the three main flight patterns (profiles, aerial surveys, and turbulence transects). The manuscript is well written and the content is an excellent fit for AMT. I recommended acceptance of this manuscript with only minor revisions.

Specific comments

C1

Line 60: Should be University of Colorado not University of Boulder.

Line 332: Should this sentence refer to longwave radiometer instead of net radiometer since the remainder of the sentence refers to LWout?

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