

## ***Interactive comment on “Estimating drizzle drop size and precipitation rate using two-colour lidar measurements” by C. D. Westbrook et al.***

**C. D. Westbrook et al.**

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Many thanks to the referee for this positive review. We have taken on board the two changes suggested:

1. We now state the sensitivity of the results to the calibration at the end of the first paragraph in section 3: “This margin of uncertainty in the calibration could lead to a systematic error of  $\sim 15\%$  in the derived  $D_0$ .”
2. We now say in the conclusions: “In this paper we have used cloud radar returns as an independent test of the 2-colour lidar technique. In future work we hope to combine the lidar measurements with Doppler radar measurements to further constrain the shape of the drop size distribution and reduce the uncertainties in the derived

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drizzle rates”

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Interactive comment on Atmos. Meas. Tech. Discuss., 3, 891, 2010.

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