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Comment

## ***Interactive comment on “A better understanding of POLDER’s cloud droplet size retrieval: impact of cloud horizontal inhomogeneity and directional sampling” by H. Shang et al.***

**H. Shang et al.**

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Dear Dr. B. van Dierenhoven,

I agree with your suggestion with respect to the calculation of the effective radius and variance for mixtures of gamma distributions. I have read the article (Alexandrov et al., 2012) that you have mentioned, I am still not clear how to calculate the combined gamma effective radius and variance. Could you please tell me which formulas are used? Thank you very much!

Yours sincerely,

C3260

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Interactive Discussion

Discussion Paper



Huazhe Shang

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Interactive comment on Atmos. Meas. Tech. Discuss., 8, 6559, 2015.

**AMTD**

8, C3260–C3261, 2015

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