

Interactive comment on “Observations of meteoritic material and implications for aerosol nucleation in the winter Arctic lower stratosphere derived from in situ particle measurements” by J. Curtius et al.

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The paper presents new and interesting results for the presence of meteoritic dust in the stratosphere. Two (minor) comments could be taking into account by the authors : 1) The detection of such material, at least for the larger grains, have been performed by our team using ballon-borne counter and UV-visible spectrometer (Renard et al. Applied Optics vol44 N°19 4086-4095, 200). 2) The satellite data should be used cautiously, since they can exhibits large bias, in particular using priori hypothesis (log-

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normal size distribution, refractive index) as we have discussed in Renard et al. Applied optics vol41 N°36, 7540-7549, 2002.

Interactive comment on Atmos. Chem. Phys. Discuss., 5, 5039, 2005.

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5, S1867–S1868, 2005

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