

Interactive  
Comment

***Interactive comment on*** “Ground-based  
observations for the validation of contrails and  
cirrus detection in satellite imagery” *by*  
**H. Mannstein et al.**

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**General comments**

We thank Anonymous Referee # 1 for his comments that will increase the readability of the paper.

**Specific comments**

**Page 3184, lines 17-18:** The statement in the Abstract related with the visual detection of contrails in AVHRR has been modified, as well as the following one concerning visual

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detection in SEVIRI data.

**Page 3185:** The role of exhaust particles is now explicitly mentioned.

**Page 3185:** The papers by Travis et al. on the diurnal temperature range (DTR) have produced a vivid discussion. It is definitely out of scope of this study to draw conclusions on the impact of aviation induced cloudiness on the DTR. For such a study a different set-up of the experiment and additional measurements would have been necessary.

**Page 3192:** Figure 1 has been splitted in two parts. The first one contains the Wolkam pictures alone (the original one and the remapped one) and is referenced already in Section 2.1. The second picture gathers the AVHRR data corresponding to the Wolkam pictures. Both figures have now extensive captions and their description in the text has been modified as well to make them more intelligible.

### Technical corrections

The language has been revised.

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Interactive comment on Atmos. Meas. Tech. Discuss., 2, 3183, 2009.

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