

## ***Interactive comment on “Spatial and temporal distribution of atmospheric aerosols in the lowermost troposphere over the Amazonian tropical rainforest” by R. Krejci et al.***

### **Anonymous Referee #1**

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Beside the comments sent earlier I would like to add the following detailed/technical ones:

1. In abstract, line 9, 4-5 cm/s could be given in m/h, that would be more informative.
2. In abstract, lines 16 and 19, although the readers of ACP probably know what is meant by Aitken mode and accumulation mode particles, it would be still good to give size ranges as general information. Also, for example, in p. 3573, line 16, what is meant exactly by  $N_{120}$ , is it really a mode or number of particles larger than 120 nm?
3. Introduction, line 25, what is meant by semilagrangian, explain by a couple of words.
4. Experiments, p. 3571, line 3, the accuracy is 5%, relative (% of RH) or absolute

accuracy (RH itself).

5. The last paragraph of 3.1 Marine BL could be put earlier when Fig. 2 was mentioned and briefly discussed.

6. Summary and Conclusions, p. 3588, line 24: "nocturnal fossil layer", normally the term is "nocturnal residual layer".

7. Fig. 2., why data from 21 March is plotted, what special it is there?

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Interactive comment on Atmos. Chem. Phys. Discuss., 4, 3565, 2004.

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