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Atmospheric Measurement Techniques Discussions

Interactive comment on "Relationship between optical extinction and liquid water content in fogs" *by* C. Klein and A. Dabas

Anonymous Referee #2

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The paper deals with the description and study of radiative fog, measured during a field experiment called ParisFog in the frame of the research study PREVIBOSS. This is a very interesting work and of course we have to investigate other questions, for instance, the advection fog, and carry out further measurements of fog to study and understand the overall meteorological phenomenon. The paper overall is well structured, but I suggest to go into the general information about the physical phenomenon studied. I have some suggestions detailed in the test bellow. Major Comments: Insert the unit of measurements of expression into test (Par. 2-3); Par.2: insert more information about sensors used; Par.4: explain better the figures; Insert numbers of pages (below); Centre a captions in the frame; Tab.1: order observation dates chronologically; p.2, line 2 and 5: runaway or runway ? p.5, line 5-15: report all information

(to see last line of caption Fig.1); p.6, line 12: report the maximum and minimum value of extinction and absorption coefficient ranges; p.6, line 17: there are no the reference to grey dots; p.7, line 9: verify ray ranges with reference to Fig.7; Fig.1 the captions are fragmented; Fig.2-3: Axis label with unit of measurement (without "en"); Fig.4-5: Axis label with unit of measurement without "en" and expression into caption (insert in the test); Fig.9-11: place side by side the two pictures and explain better the caption (Fig.9-11 the same axis label); Fig.12: distinguish the four figures; Put all references in alphabetical order and copy in the test with a progressive number of reference.

Please also note the supplement to this comment:
http://www.atmos-meas-tech-discuss.net/6/C3864/2014/amtd-6-C3864-2014-supplement.pdf

Interactive comment on Atmos. Meas. Tech. Discuss., 6, 9623, 2013.