

Interactive comment on “Optical and geometrical characteristics of cirrus clouds over amid-latitude lidar station” by E. Giannakaki et al.

Anonymous Referee #2

Received and published: 9 August 2007

General comments:

The paper addresses the optical and geometrical properties of cirrus clouds over Greece. Since this subject is still not well documented, the paper offers new data and ideas, and therefore it merits to be published in ACP, once some major revisions have been made. We emphasize that the text should be revised by an english-speaking person.

Specific comments:

Introduction: More recent references as well as the new IPCC report, should be cited. The paragraph "The lidar technique...2005" should be rephrased, since it is not clear. The same for the paragraph "The optical extinction ...in the past".

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In the 3.1.1, 3.1.2, 3.1.3 sections the measurement accuracy regarding the beta (β), alpha (α) and lidar ratio retrieval should be mentioned.

Technical corrections:

Several typing errors, and many parts of the paper have to be rephrased.

The ACP format in the references part and inside the text it should be strictly followed.

Fig. 11 appears in the text before Figs. 9 and 10. Please change order (section 4.2).

Fig. 10, shows no error bars for certain points. What is the reason?

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 9283, 2007.

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