

Interactive comment on “An improved cirrus detection algorithm MeCiDA2 for SEVIRI and its validation with MODIS” by F. Ewald et al.

Anonymous Referee #3

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As the other referee I find the paper well written, the content is original and carefully prepared.

Remark 1: An abstract should be as short as possible, and should contain information on the topic, the tools and methods, and results and numbers found. That's it! So, introducing, motivating sentences (first 12-13 lines) should be removed. Motivation is part of the Introduction.

Remark 2: Definition of cirrus was a bit confusing, (for me) too! One specific question (maybe I overlooked this aspect). Can thin cirrus (close to subvile cirrus with COD <0.03) be seen? There are many ice clouds with small COD, 0.05 and smaller.

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Remark 3: cloud top = ice top: Does that mean: 100% ice crystals at cloud top? Many altocumulus have extended ice virga, but the 200m deep cloud top region (main cloud layer) contains mostly water droplets with some freshly formed, but immediately large ice crystals! Is this already an ice cloud?

Interactive comment on Atmos. Meas. Tech. Discuss., 5, 5271, 2012.

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