

Interactive comment on “Ice supersaturation as seen from TOVS” by K. Gierens et al.

Anonymous Referee #1

Received and published: 16 March 2004

The other reviewer got most of my comments quite well.

Additional comments:

1. The sensitivity of the UTH method decreases at lower temperatures and, thus, so does the noise. 2. The authors might want to comment on the future. That is, the next generation of infrared sounders will be spectrally-resolving (e.g., AIRS, IASI, CrIS, etc.). AIRS is already sending back excellent data. This would appear to provide a quantum leap in our ability to detect supersaturation. Are there any results (theoretical or planned look at AIRS observations) to take advantage of the new observations?

All in all, this is an excellent paper.

Interactive comment on Atmos. Chem. Phys. Discuss., 4, 299, 2004.

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Interactive Discussion

Discussion Paper