

Interactive comment on “Temperature lidar measurements from 1 to 105 km altitude using resonance, Rayleigh, and Rotational Raman scattering” by M. Alpers et al.

Anonymous Referee #1

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This paper presents the combination of three lidar techniques and shows successfully temperature profiles from 1 km–105km during two consecutive nights. The experimental set up of the lidars is sufficiently described as the individual lidar have been documented in previous papers. For the most part the lidar methods used are valid and clearly described with the inclusion most of the relevant references. However further discussion of the calibration used for the Rotational Raman lidar is required and some key references appear to be missing such as Nedeljkovic (1993).

Interactive comment on Atmos. Chem. Phys. Discuss., 4, 923, 2004.

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Discussion Paper