Accepted Manuscript

Contribution of corner reflections from oriented ice crystals to backscattering and depolarization characteristics for off-zenith lidar profiling

Anatoli G. Borovoi, Alexander V. Konoshonkin, Natalia V. Kustova, Igor A. Veselovskii

 PII:
 S0022-4073(17)30886-5

 DOI:
 10.1016/j.jqsrt.2018.03.022

 Reference:
 JQSRT 6042

To appear in: Journal of Quantitative Spectroscopy & Radiative Transfer

Received date:16 November 2017Revised date:27 March 2018Accepted date:27 March 2018

Please cite this article as: Anatoli G. Borovoi, Alexander V. Konoshonkin, Natalia V. Kustova, Igor A. Veselovskii, Contribution of corner reflections from oriented ice crystals to backscattering and depolarization characteristics for off-zenith lidar profiling, *Journal of Quantitative Spectroscopy & Radiative Transfer* (2018), doi: 10.1016/j.jqsrt.2018.03.022

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights

- Depolarization and color ratios for horizontally oriented ice crystals was calculated
- Depolarization peak at 30 degree lidar tilt for oriented plates was predicted
- Corner reflection effect was recently observed by tilted lidar

Download English Version:

https://daneshyari.com/en/article/7845985

Download Persian Version:

https://daneshyari.com/article/7845985

Daneshyari.com