

Accepted Manuscript

Space-Based Remote Sensing of Atmospheric Aerosols: The Multi-Angle Spectro-Polarimetric Frontier

A.A. Kokhanovsky, A.B. Davis, B. Cairns, O. Dubovik, O.P. Hasekamp, I. Sano, S. Mukai, V.V. Rozanov, P. Litvinov, T. Lapyonok, I.S. Kolomiets, Y.A. Oberemok, S. Savenkov, W. Martin, A. Wasilewski, A. di Noia, A. Stap, J. Rietjens, F. Xu, V. Natraj, M. Duan, T. Cheng, R. Munro



PII: S0012-8252(15)00021-5
DOI: doi: [10.1016/j.earscirev.2015.01.012](https://doi.org/10.1016/j.earscirev.2015.01.012)
Reference: EARTH 2084

To appear in: *Earth Science Reviews*

Received date: 1 July 2014
Revised date: 22 December 2014
Accepted date: 30 January 2015

Please cite this article as: Kokhanovsky, A.A., Davis, A.B., Cairns, B., Dubovik, O., Hasekamp, O.P., Sano, I., Mukai, S., Rozanov, V.V., Litvinov, P., Lapyonok, T., Kolomiets, I.S., Oberemok, Y.A., Savenkov, S., Martin, W., Wasilewski, A., di Noia, A., Stap, A., Rietjens, J., Xu, F., Natraj, V., Duan, M., Cheng, T., Munro, R., Space-Based Remote Sensing of Atmospheric Aerosols: The Multi-Angle Spectro-Polarimetric Frontier, *Earth Science Reviews* (2015), doi: [10.1016/j.earscirev.2015.01.012](https://doi.org/10.1016/j.earscirev.2015.01.012)

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.

Space-Based Remote Sensing of Atmospheric Aerosols:**The Multi-Angle Spectro-Polarimetric Frontier**

A. A. Kokhanovsky (1), A. B. Davis (2), B. Cairns (3), O. Dubovik (4), O. P. Hasekamp (5),
I. Sano (6), S. Mukai (7), V. V. Rozanov (8), P. Litvinov (4), T. Lapyonok (4),
I. S. Kolomiets (9), Y. A. Oberemok (9), S. Savenkov (9), W. Martin (3),
A. Wasilewski (3), A. di Noia (5), A. Stap (5), J. Rietjens (5), F. Xu (2), V. Natraj (2),
M. Duan (10), T. Cheng (11), and R. Munro (1)

(1) EUMETSAT, Eumetsat Allee 1, D-64367 Darmstadt, Germany

(2) Jet Propulsion Laboratory, California Institute of Technology, 4800 Oak Grove Drive,
Pasadena, Ca 91109, USA

(3) NASA Goddard Institute for Space Studies, 2880 Broadway, New York, NY, USA

(4) Laboratoire d'Optique Atmosphérique, CNRS/Université de Lille 1, Lille, France

(5) SRON, Netherlands Institute for Space Research Sorbonnelaan 2, 3584 CA Utrecht, The
Netherlands

(6) Faculty of Science and Technology, Kinki University, Kowakae 3-4-1, Higashi-Osaka, Osaka
677-8502, Japan

(7) The Kyoto College of Graduate Studies for Informatics, 7 Monzen Tanaka, Sakyo, Kyoto
606-8225, Japan

(8) Institute of Remote Sensing, University of Bremen, O. Hahn Allee 1, Bremen, Germany

(9) Kiev Taras Shevchenko University, Radiophysics Department, Vladimirskaya 64/13, Kyiv,
01601, Ukraine

(10) Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China

(11) Institute of Remote Sensing and Digital Earth (RADI), Chinese Academy of Sciences,
Beijing, China

Corresponding author: Alexander.kokhanovsky@eumetsat.int

Download English Version:

<https://daneshyari.com/en/article/6442966>

Download Persian Version:

<https://daneshyari.com/article/6442966>

[Daneshyari.com](https://daneshyari.com)