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Retrieval Algorithm Based on Combined Use of POLDI Biomass Aerosols

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Abstract

A procedure for aerosol retrieval by combining data provided by P and Directionality of the Earth's Reflectances) and GLI (Global Ima the ADEOS-2 satellite (Advanced Earth Observing Satellite-2) is p sensor provides three channels of unique directional polarization me sensor provides high-resolution images over a wide range of wavele

thermal infrared. It is known that POLDER polarization data are eff
retrieval over land, and the ratio of reflectances at 0.40 and 0.38μm
to distinguish between nonabsorbing and absorbing aerosols. Our al
detecting the plume from Siberian biomass burning in May 2003. T
properties are compared with model simulations and ground-based
Robotic Network) data. The results show that our proposed algorit
data on the aerosol optical thickness.

Keywords: Aerosols, AOT, POLDER-2, GLI, ADEOS-2

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