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Detection and Analysis of Dust Aerosol Particles over th

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## Abstract

It is well known that the heavy soil dust has been transported from t Japan on westerly winds, especially in spring. The satellite observati for global monitoring of the Asian dust. A new algorithm for detection space is proposed based on the multispectral satellite data. The der are validated with the ground-based measurements and/or model sit The sun/sky photometry has been undertaken at NASA/AERONE' suspended particulate matter (SPM) sampling and NIES/LIDAR ne been simultaneously working there. However, it is difficult to relate measurements directly to the column space data. Therefore, in order results with the surface-level data, an aerosol transportation model s measurements are examined with the model simulations.

As a result, the distribution of Asian dust aerosols is retrieved in a cthis study.

Keywords: Remote sensing, Yellow sand, Aerosol, Model simulat

## [PDF (1441K)] [References]

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