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### Estimation of Aerosol Optical Thickness by PAR Radiometer

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#### Abstract

The direct solar radiation observed by instruments aboard the ground-based devices, is needed to estimate aerosol optical thickness. However, the unstable platforms such as ship sometimes don't accurately point the PAR radiometer that can observe direct solar radiation with high

developed. The shadow band of the PAR radiometer assists to obtain data on any unstable platform. Actually the newer-developed PAR tracking the sun anymore. We have also developed an algorithm that optical thickness from the PAR radiometer data. From the experiment 2006 to 2008, aerosol optical thicknesses were estimated with high

Keywords: [PAR](#), [aerosol](#), [algorithm](#), [instrument](#), [sensor](#)

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