



## 2 years of PARASOL Aerosol products

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Since Dec. 2004, the CNES Parasol (Polarization and Anisotropy of Reflectances for Atmospheric Science coupled with Observations from a Lidar) mission is flying in the A-train with Aqua and Aura (NASA), further completed in 2006 by Calipso (NASA/CNES) and CloudSat (NASA/CSA).

2 years of data have been routinely acquired and processed by the Polder-Parasol ground segment (CNES) and by ICARE data center in Lille.

Parasol unique directional and polarization capabilities are powerful constraints to the aerosol retrieval scheme. They allow derivation of classical aerosol load and size parameters with state of the art performance but also provide new information over ocean thanks to the potential to discriminate spherical from non-spherical particles.

Validation results will be shown as well as first climatologies of aerosol parameters demonstrating the value of Aerosol products for Earth monitoring, air quality applications or climate research.