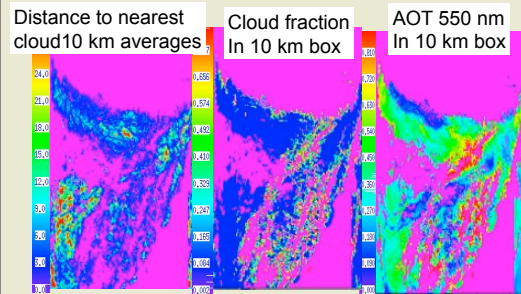


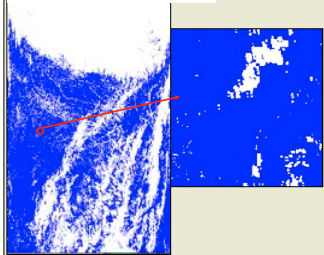
# MODIS aerosol products in Collection 6: Moving towards multisensor fusion and interdisciplinary studies.

S. Mattoo, R.C. Levy and L.A. Remer

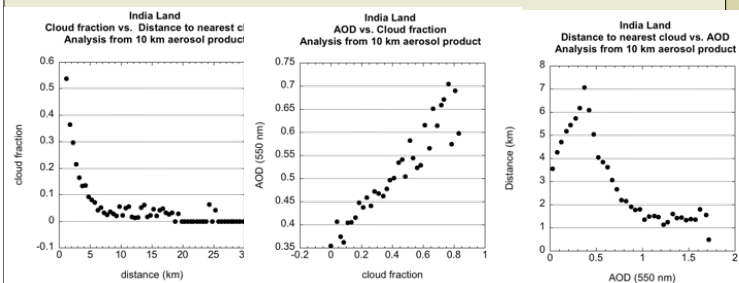
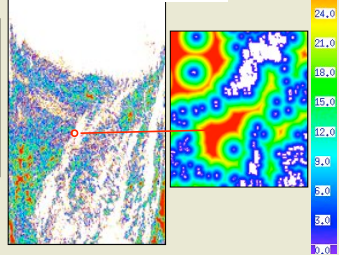
## (1) NEW cloud interpretation products in the MODIS aerosol files



Cloud mask  
From the aerosol  
product



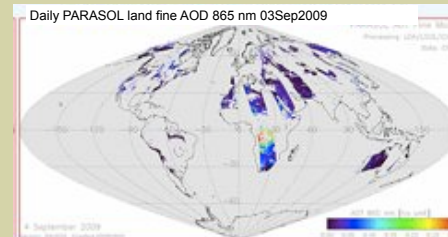
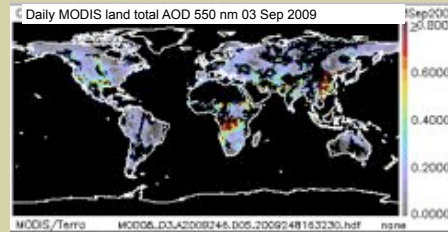
Distance to nearest  
cloud  
500 m resolution



## Collection 6 MODIS aerosol products will include:

- 1)(LEFT) Cloud mask and distance to the nearest cloud calculated for every 500 m "cloud-free pixel". Presented at the 500 m resolution and the mean given at 10 km.
- 2) (RIGHT) Aerosol optical depth over land at 3 km resolution.
- 3) (BELOW) PARASOL fine mode aerosol optical depth over land. This is a direct capture of the PARASOL product placed in the MODIS data files as a convenience to MODIS users.

## (3) NEW PARASOL fine mode AOD Available in the MODIS aerosol file



Monthly MODIS land total AOD 550 nm Sep 2009

## (2) NEW 3 km aerosol product

