

# Clean Days: Do We Expect Absorbing Aerosol with Large Coarse Mode?

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# Unexpected (?) Results

## ▶ **Conditions: Very Clean**

- AERONET (level 2.0)

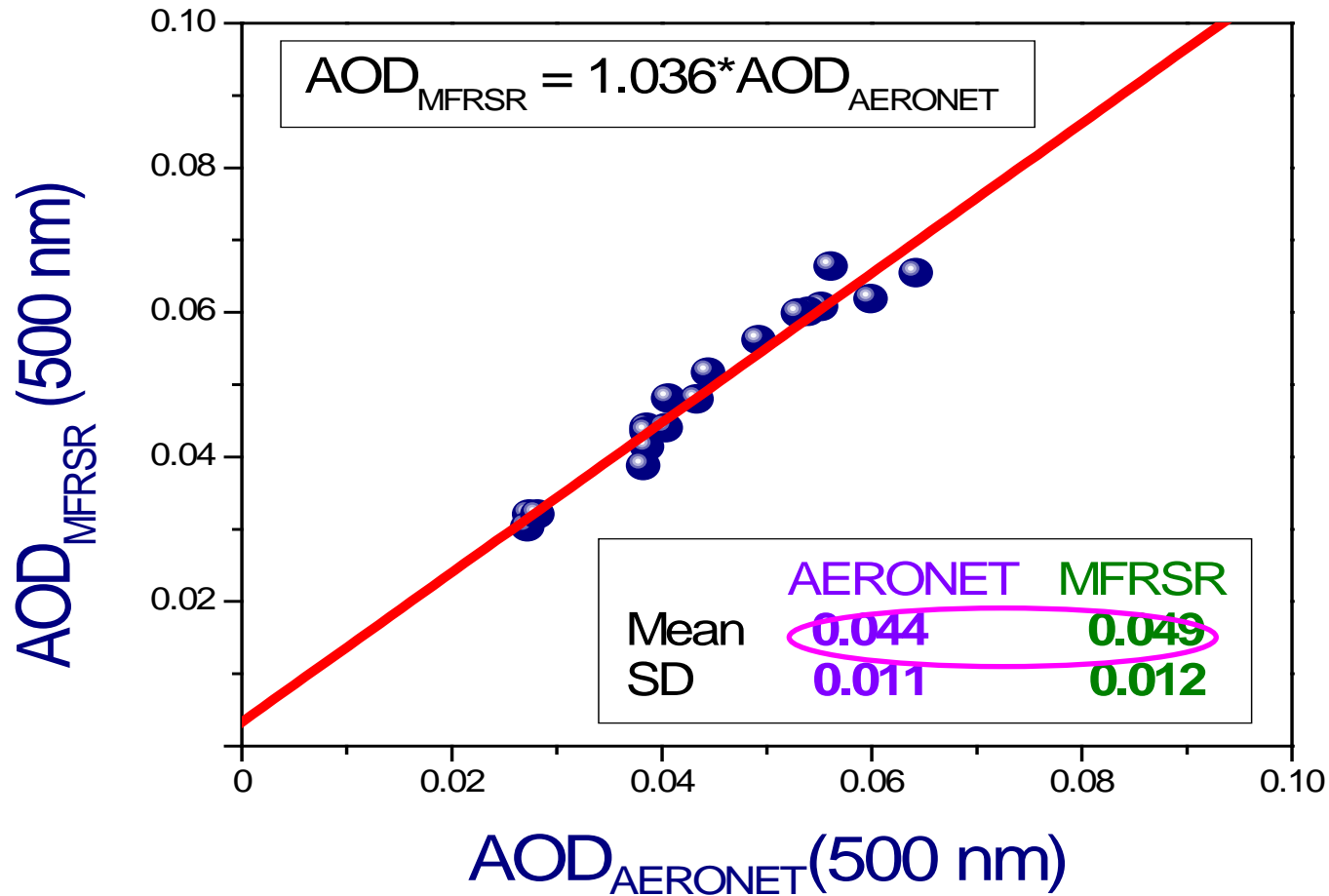
## ▶ **Aerosol: Highly Absorbing**

- Particle Soot Absorption Photometer (abs.)
- Nephelometer (scattering)

## ▶ **Coarse Mode: Large Contribution**

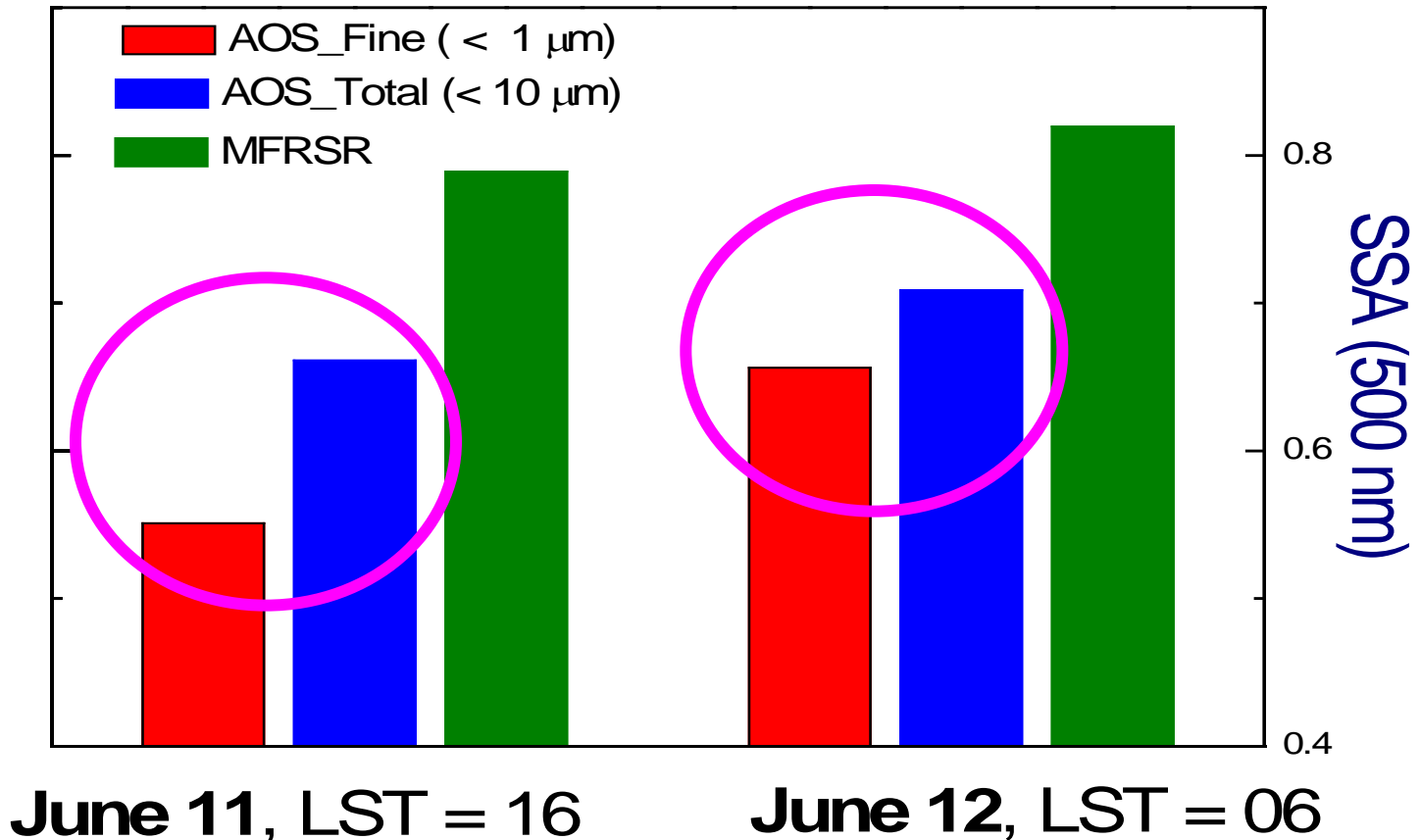
- Aerodynamic Particle Sizer:  $0.5 < D < 20 \mu\text{m}$

# Conditions: Very Clean



✓ Variations of AOD are **large** (0.05 - 0.15)

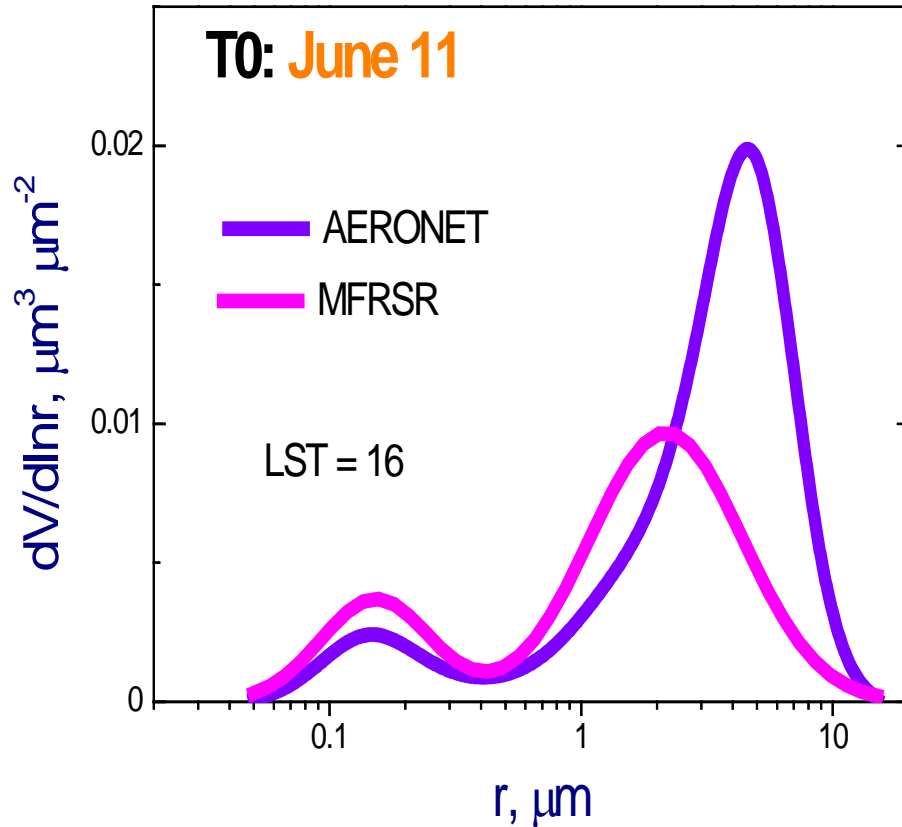
# Aerosol: Highly Absorbing



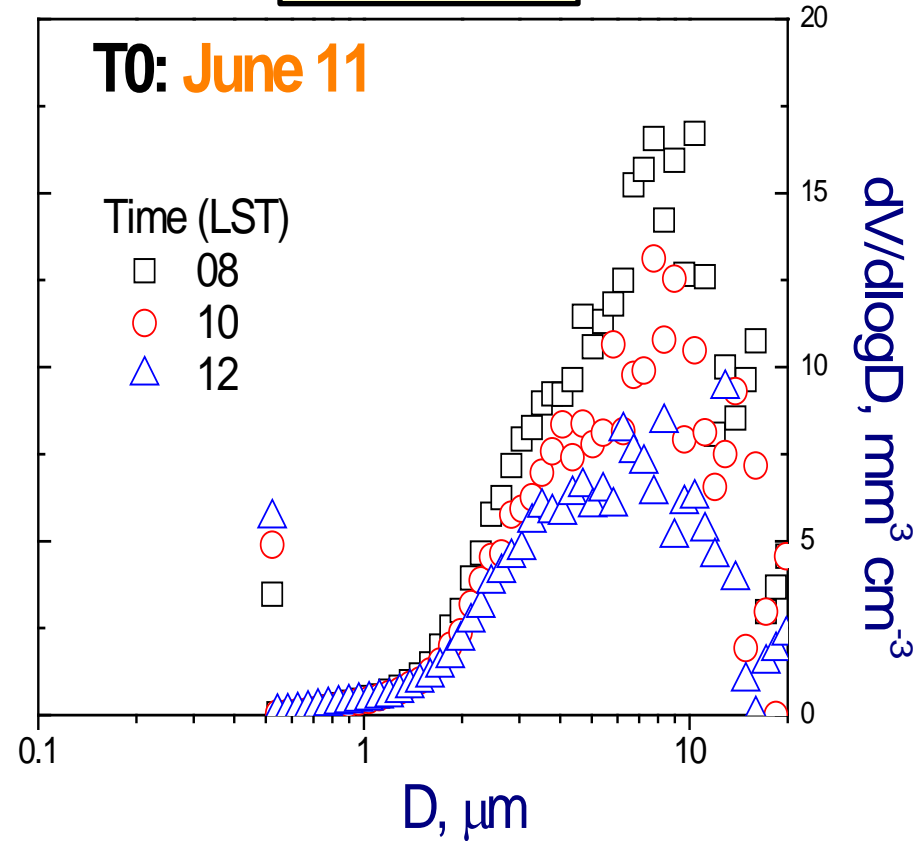
✓ Variations of SSA are **large** (0.8 - 0.98)

# Coarse Mode: Large Contrib.

AERONET & MFRSR



APS



✓ Contribution of **CM** can be **large** (~30%)