







Aerosol properties retrieved from space observations

D. TANRE LOA/CNRS/Université de Lille 1

And Many Contributors



HERMAN ET AL.: GLOBAL DISTRIBUTION OF UV-ABSORBING AEROSOLS





J.R. Herman et al., 1996

In the 80's....

R.B. Husar et al., 1996

In the 90's: ATSR/ERS1&2 (1991&1995), ADEOS-1/POLDER (1996), TERRA/MODIS/MISR (1999)

In the last decade: ENVISAT(2002), ADEOS-2/POLDER/GLI (2003), GLAS (2003) & the A-TRAIN constellation: AQUA/MODIS (2002), AURA/OMI (2004), PARASOL/POLDER (2004), CALIPSO/CALIP/IIR (2006)











Nonsphericity_ratio (AOD_NS/AOD_Coarse mode)









AOD(PARASOL)-AOD(MODIS)



AOD(PARASOL—AOD(MODIS)







Improvements of the instruments

New algorithms for PARASOL(Dubovik et al., 2010)

