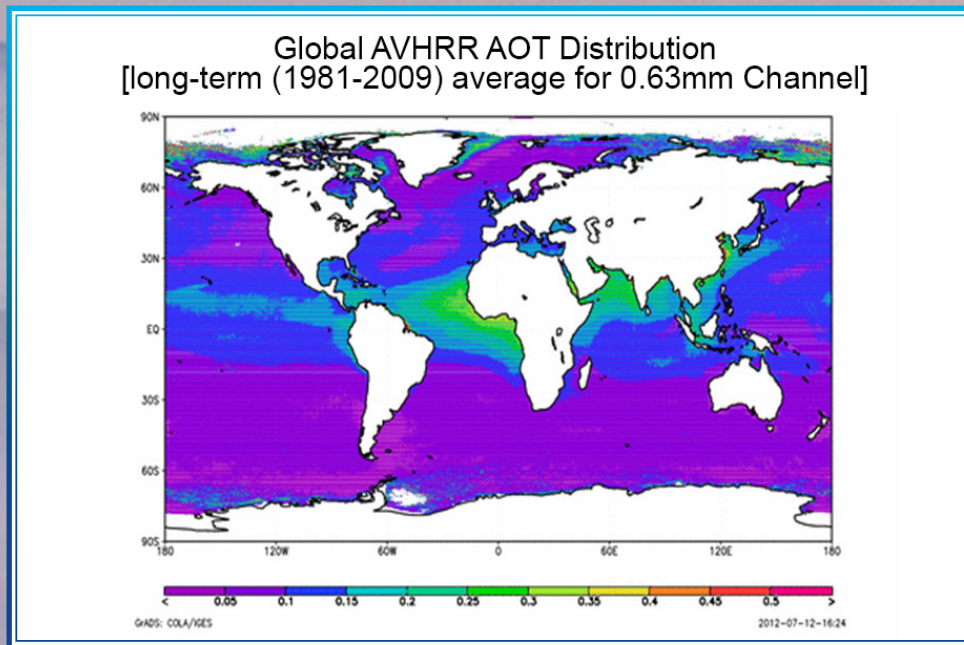


NOAA's Climate Data Record (CDR) Program

AVHRR AEROSOL OPTICAL THICKNESS

AOT



AOT CLIMATE DATA RECORD SPECIFICATIONS

- Global Product over Ocean
- 0.5x0.5 Degree Resolution (Daily Product)
- 1.0x1.0 Degree Resolution (Monthly Product)
- 1981–2009
- Updated after PATMOS-x Clear-Sky Reflectance CDR

INPUTS TO THE AOT CLIMATE DATA RECORD

- Pixel-Level PATMOS-x Advanced Very High Resolution Radiometer (AVHRR) Clear-Sky for Channel 1 and 2 Reflectances
- Observational Geometric Conditions

SOME USES OF THE AOT CLIMATE DATA RECORD

- Detecting Long-Term Trend of Anthropogenic Emissions
- Verifying and Validating Climate Models and Air-Quality Model
- Monitoring and Assessing Air Quality
- Studying Marine Biology
- Supporting Aviation and Military Operations

AOT CLIMATE DATA RECORD

<http://www.ncdc.noaa.gov/cdr/operationalcdrs.html>

CLIMATE DATA RECORD PROGRAM INFORMATION

<http://www.ncdc.noaa.gov/cdr/index.html>

