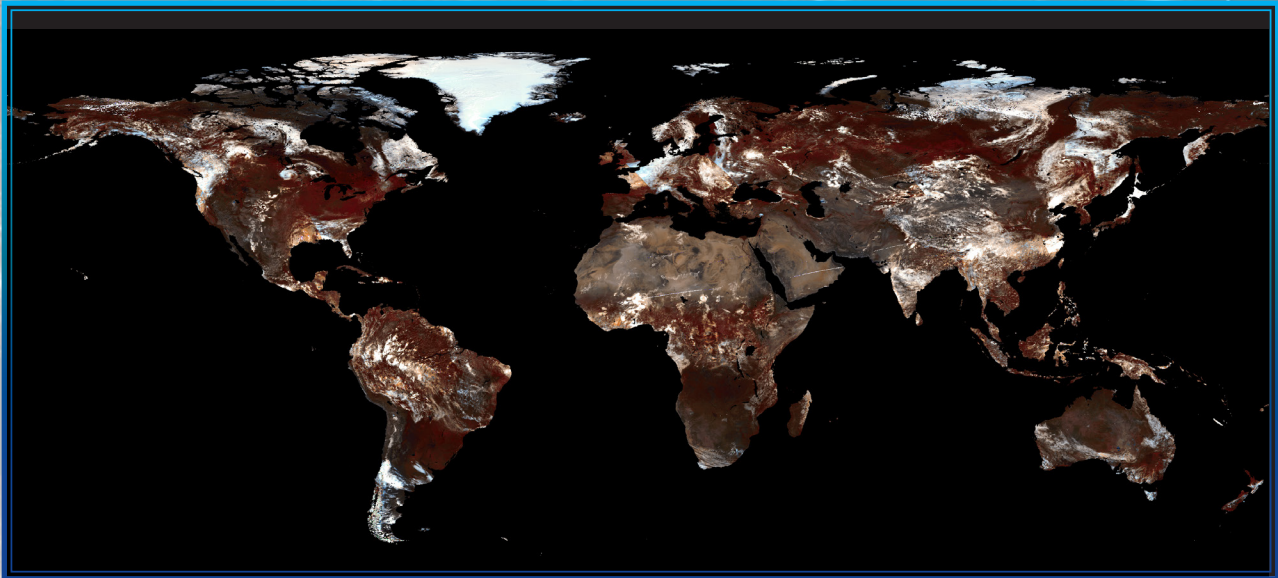


NOAA's Climate Data Record (CDR) Program

AVHRR SURFACE REFLECTANCE



AVHRR SURFACE REFLECTANCE CLIMATE DATA RECORD SPECIFICATIONS

- Global Coverage
- 0.05x0.05 Degree
- Daily Product
- 1981–Present
- Routinely Updated (10 day latency)

INPUTS TO THE AVHRR SURFACE REFLECTANCE CLIMATE DATA RECORD

- AVHRR Global Area Coverage Level 1b data
- TOMS ozone data
- NCEP water vapor data
- USGS digital elevation model
- MODIS land/water mask, BRDF database, and BRDF-corrected reflectance climatology

SOME USES OF THE AVHRR SURFACE REFLECTANCE CLIMATE DATA RECORD

- Input to derive climate data records of:
 - Normalized Difference Vegetation Index (NDVI),
 - Leaf Area Index (LAI),
 - Fraction of Absorbed Photosynthetically Active Radiation (FAPAR)
- Studying long-term climate variability
- Verifying and validating global climate models

AVHRR SURFACE REFLECTANCE CLIMATE DATA RECORD

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

CLIMATE DATA RECORD PROGRAM INFORMATION

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

