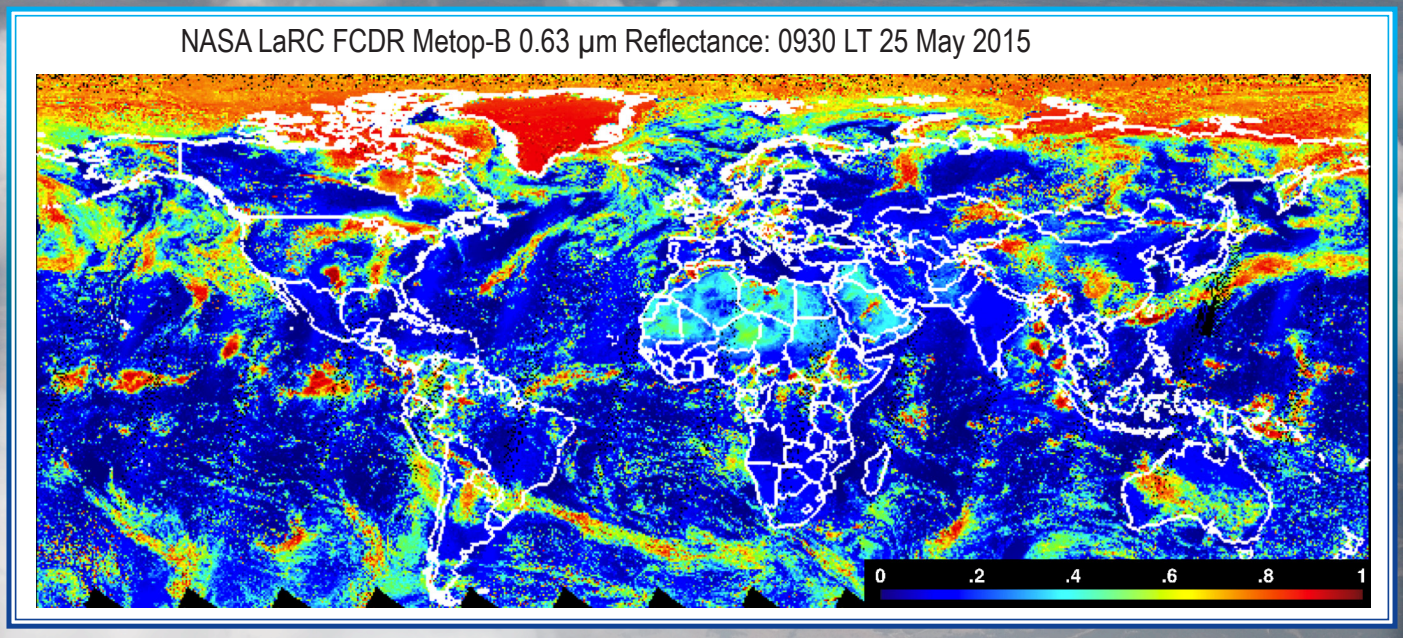
AVHRR Radiances - NASA



Climate Data Record Specifications

- Global coverage
- Spatial resolution is 4km for each channel in near-native GAC format
- Daily orbital product
- Temporal resolution is twice daily between 55°N–55°S and more than twice daily in polar regions
- 1978–2016

Variables to this Climate Data Record

- Solar channel calibration coefficients for AVHRR VIS (0.64 µm), VEG (0.87 µm) and NIR (1.6 µm) channels
- VIS (0.64 µm), VEG (0.87 µm), and NIR (1.6 µm) scaled reflectances

Some Uses of this Climate Data Record

- AVHRR solar channel intercalibration for comparison against other satellites
- Input into NASA Langley Research Center AVHRR cloud and surface radiation properties Climate Data Record
- Radiation balance assessments and studies
- Derivation of cloud and surface essential climate variables
- Detecting and studying climate variability
- Input for solar energy production studies

AVHRR Radiances:

https://www.ncdc.noaa.gov/cdr/fundamental/avhrr-radiances-nasa

Climate Data Record Information:

http://www.ncdc.noaa.gov/cdr

NOAA's Climate Data Record (CDR)

www.climate.gov
www.ncei.noaa.gov

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