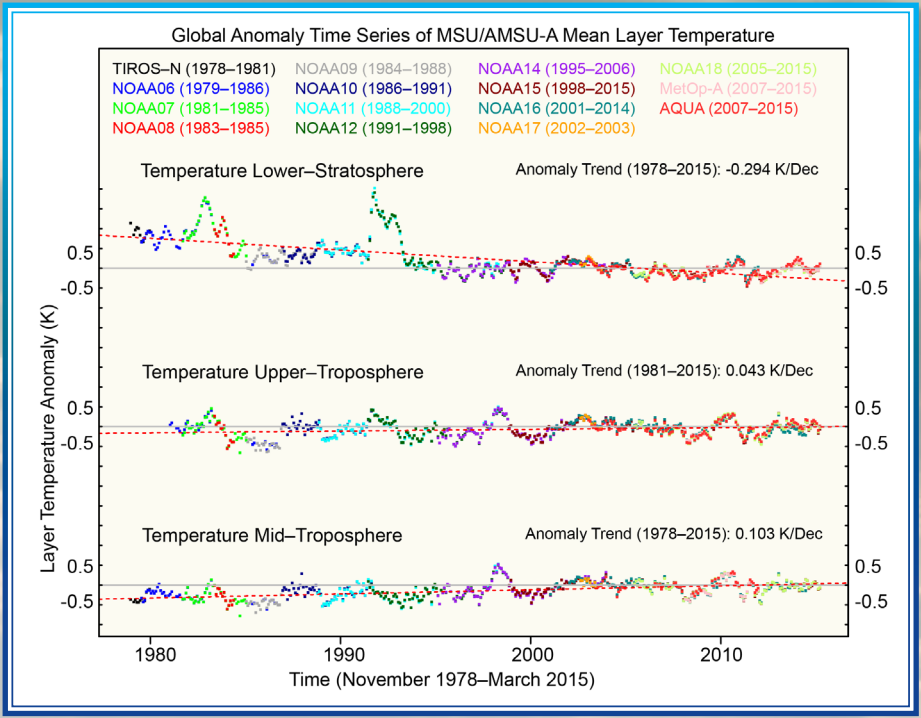
NOAA's Climate Data Record (CDR) Program

Mean Layer Temperature - NOAA

MLT-NOAA



MLT-NOAA Climate Data Record Specifications

- Global coverage
- 2.5x2.5 Degree equal-angle grid
- Monthly product
- Three layers
- 1978–present

Inputs to the *MLT-NOAA* Climate Data Record

- NOAA Microwave Sounding Unit (MSU) and Advanced Microwave Sounding Unit (AMSU) radiance Fundamental Climate Data Records calibrated by Integrated Microwave Inter-Calibration Approach (IMICA)

Some Uses of the *MLT-NOAA* Climate Data Record

- Detecting long-term climate change and variability in atmospheric temperatures
- Validating climate model simulations
- Identifying climate extremes
- Validating other observations

MLT-NOAA Climate Data Record

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

Climate Data Record Program Information

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