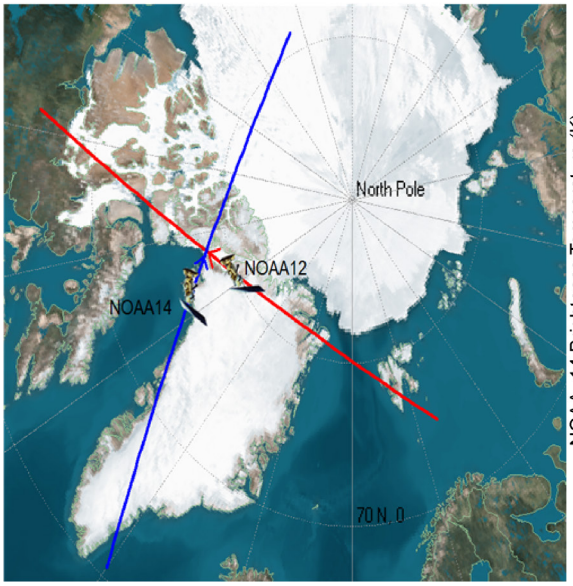
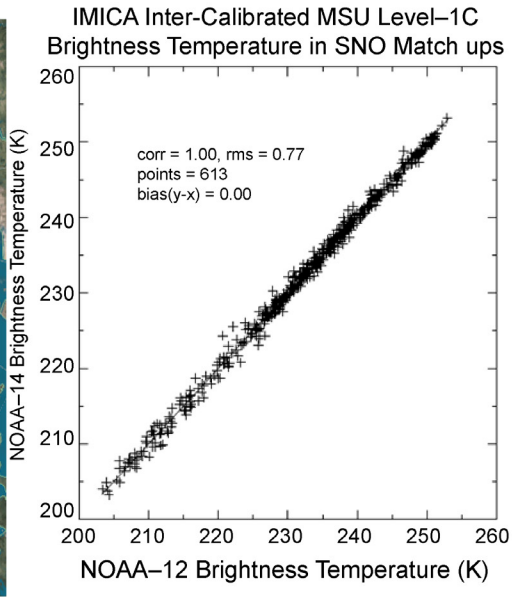
NOAA's Climate Data Record (CDR) Program

MSU Brightness Temperatures

MSU





MSU Climate Data Record Specifications

- Global Coverage
- 110km Nadir Resolution
- 11 Earth Views per Scan
- Daily Orbital Product
- Three Channels
- 1978–2006

Inputs to the *MSU* Fundamental Climate Data Record

- Raw Counts Data from Microwave Sounding Unit (MSU) Earth and Calibration Target Views
- Warm and Cold Target Temperatures
- Nonlinear Calibration Coefficients Determined from Single Nadir Overpass (SNO) Method

Some Uses of the *MSU* Climate Data Record

- Input into Climate Reanalysis
- Determining Atmospheric Layer Temperatures
- Validating Other Satellite Observations
- Validating Climate Model Simulations
- Studying Long-Term Climate Change

MSU Climate Data Record

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

Climate Data Record Program Information

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