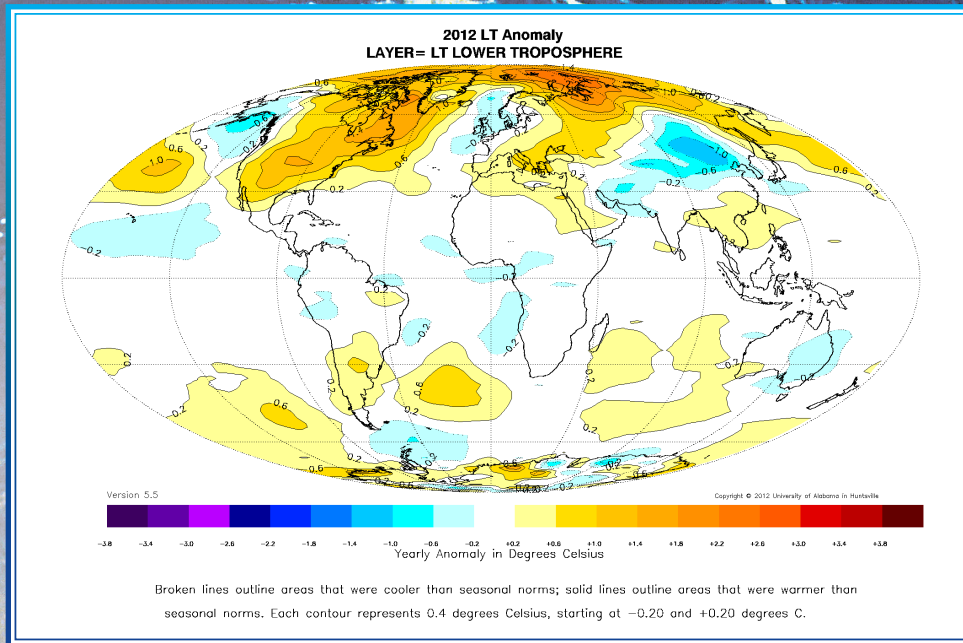


NOAA's Climate Data Record (CDR) Program

UNIVERSITY OF ALABAMA, HUNTSVILLE (UAH)
MSU/AMSU MEAN LAYER ATMOSPHERIC TEMPERATURES

UAH MLT



UAH MLT CLIMATE DATA RECORD SPECIFICATIONS

- Global Coverage
- 2.5x2.5 Degree Resolution
- Daily and Monthly Products
- 1978–Present
- Updated Monthly

INPUTS TO THE UAH MLT CLIMATE DATA RECORD

- Microwave Sounding Unit (MSU) Radiances from TIROS-N, NOAA-6, NOAA-7, NOAA-8, NOAA-9, NOAA-10, NOAA-12, NOAA-14
- Advanced Microwave Sounding Unit (AMSU) Radiances from NOAA-15, NOAA-16, NOAA-18, AQUA

SOME USES OF THE UAH MLT CLIMATE DATA RECORD

- Monitoring Atmospheric Heat Content
- Monitoring Sudden Stratospheric Warming/Cooling Events
- Monitoring Global Temperature on Daily Time Scale
- Quantifying Climate Sensitivity
- Determining Magnitude of Atmospheric Modes (e.g., El Niño, QBO)

UAH MLT CLIMATE DATA RECORD

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

CLIMATE DATA RECORD PROGRAM INFORMATION

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



www.climate.gov
www.ncdc.noaa.gov

Protecting the past... Revealing the future

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