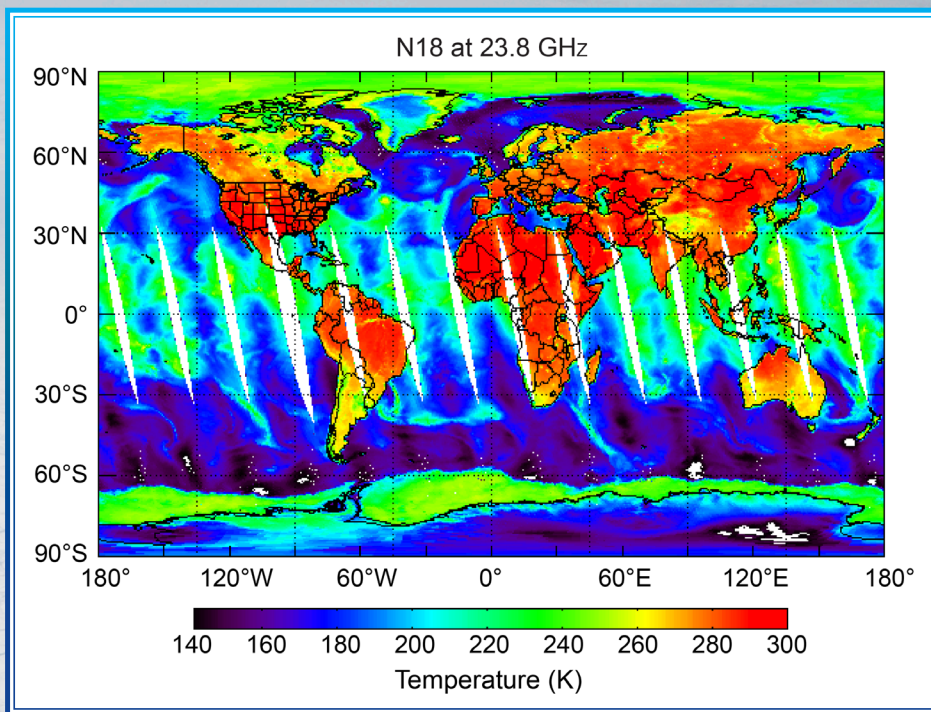




# AMSU-A BRIGHTNESS TEMPERATURE



## CLIMATE DATA RECORD SPECIFICATIONS

- Global coverage
- 48km nadir resolution for each channel
- 102 minutes per orbit
- 2000–present
- Preliminary data updated monthly
- Final data updated annually

## VARIABLES TO THIS

### CLIMATE DATA RECORD

- NOAA Advanced Microwave Sounding Unit-A (AMSU-A) level 1b radiances from channels 1, 2, 3 and 15 (23.8, 31.4, 50.3 and 89.0 GHz).

## SOME USES OF THIS

### CLIMATE DATA RECORD

- Input into hydrological products to derive global precipitation, water vapor, cloud water, sea-ice concentration
- Input into land surface products to derive temperature and emissivity
- Long-term global climate applications

## AMSU-A BRIGHTNESS TEMPERATURE:

<https://www.ncdc.noaa.gov/cdr/fundamental/amsu-brightness-temperature>

## CLIMATE DATA RECORD INFORMATION:

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

# NOAA's Climate Data Record (CDR)

