

Sarah Dasher

NOAA CPC (Climate Prediction Center) .25x.25 Daily US UNIFIED
Precipitation

<http://www.esrl.noaa.gov/psd/data/gridded/data.unified.html>

This is an observational record of daily terrestrial precipitation totals over the continental US from 1948 to the present. This dataset offers relatively high spatial resolution (0.25 by 0.25 degrees), taken from 8000 recording stations (before 1992), or 13000 stations (from 1992 to the present). Data are in netcdf format, and compiled in four ways: yearly total, monthly total, long term daily mean, and long term monthly mean. Some QC checks have been applied:

- (1) A "duplicate station check" which eliminates duplicates and typos from the raingauge reports;
- (2) A "buddy check" to eliminate extreme values;
- (3) a standard deviation check, which compares the daily raingauge data against a gridded daily climatology; and
- (4) NEXRAD radar QC of the gauge data to eliminate spurious zeroes