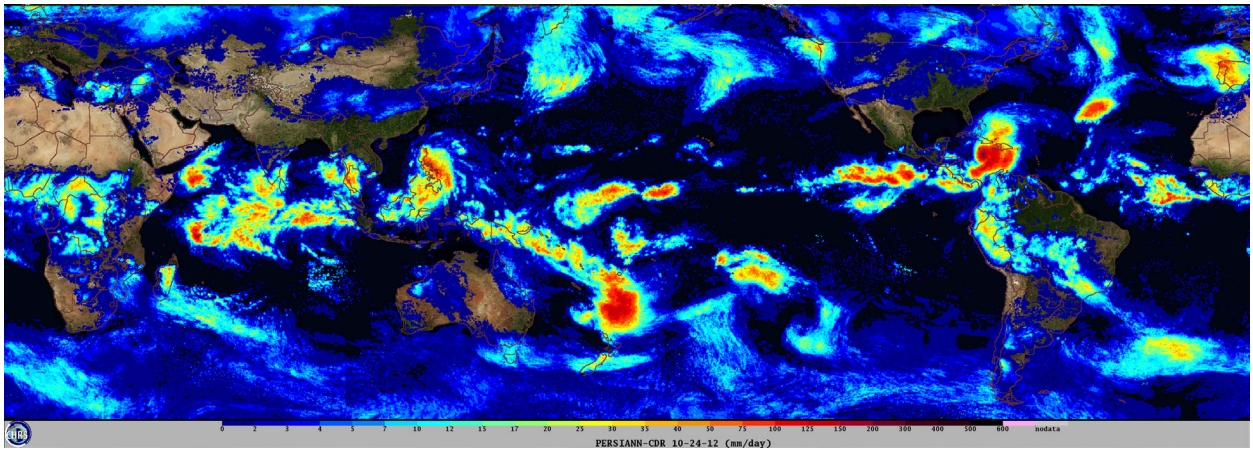
# NOAA's Climate Data Record (CDR) Program

## Precipitation Estimation from Remote Sensing Information using Artificial Neural Network

# PERSIANN-CDR




### *PERSIANN Climate Data Record Specifications*

- 0.25-deg * 0.25-deg (60°S–60°N latitude and 0°–360° longitude)
- Daily Product
- 1983–present
- Updated Quarterly

### Inputs to the *PERSIANN* Climate Data Record

- GridSat-B1 CDR (IRWIN)
- GPCP 2.5-deg Monthly Data

### Some Uses of the *PERSIANN* Climate Data Record

- Climatologists can perform long-term climate studies at a finer resolution than previously possible.
- Hydrologists can use PERSIANN-CDR for rainfall-runoff modeling in regional and global scale, particularly in remote regions.
- Performing extreme Event Analysis (intensity, frequencies, and duration of floods and droughts).
- Water Resources Systems Planning and Management

### *PERSIANN* Climate Data Record

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

### Climate Data Record Program Information

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