**GRIB Data in R**

- **General goal:** Streamline weather/climate data accessibility in R
- **GRIdded Binary (GRIB) support**
- **Wealth of GRIB datasets** (NCEP Stage IV QPE)
- **Current strategy:**
  \[ \text{GRIB} \rightarrow \text{Python} + \text{NCL} \rightarrow \text{NetCDF} \rightarrow \text{R} \]
GRIB Data in R

- Proposed strategy: GRIB → R
- Variety of C and Fortran tools for GRIB
  - wgrib
  - Python and NCL tools
  - ECMWF API
- Process
  1. R functions (with C) to read GRIB
  2. Object-oriented approach
  3. Combine GRIB grid descriptions with maps
  4. OPeNDAP support
  5. R package?