

Boulder/Denver, Colorado as a GRUAN site

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GRUAN site selection criteria

Variety of climatic regimes, surface types, and mix of low/high altitude sites

Connection with involved scientific institute

Start with a few stations, chosen based on existing observing program and readiness

Next focus on sites with existing upperair capabilities as candidates

Qualification of Boulder/Denver

High altitude, Mountain region, complex terrain

NOAA, NCAR, UCAR, CU

- NOAA WV/Ozone launch site
- Winter weather site
- A rich diversity of research instrumentation
- Expertise in instrumentation, field deployment, DM, climate science
- NOAA-FPH, CU-CFH, ozone sonde capabilities
- >28-year of WV/ozone climate record

NCAR Marshall Field Site

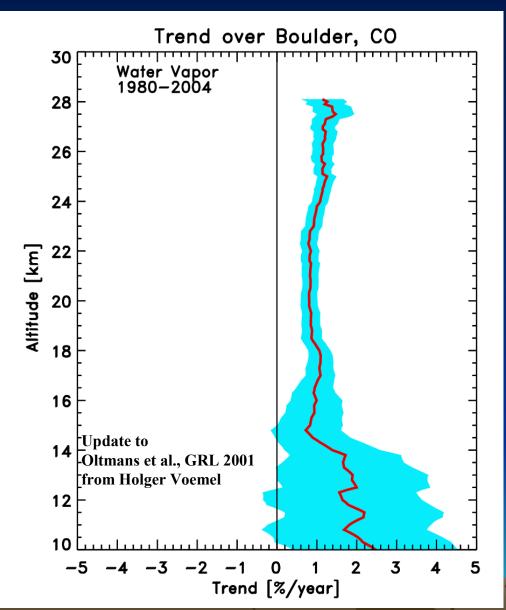
Programs:

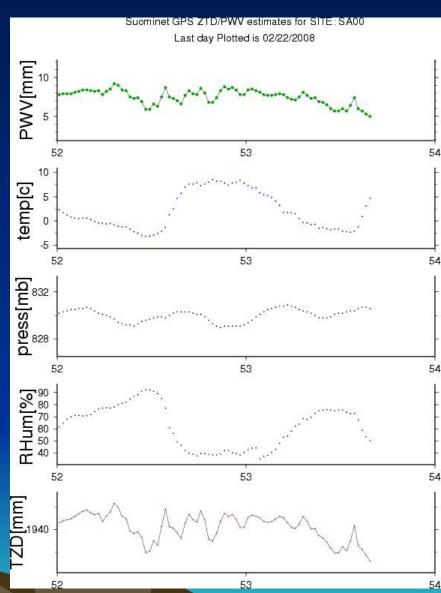
- 2. NOAA ozone/WV long-term climate monitoring site
- 3. NCAR winter weather experimental site
- 4. Plate Boundary
 Observatory site (GPS)
- 5. Testing site for various NCAR/EOL instruments

Instruments:

- 2. NOAA ozone/WV sonde
- 3. Surface hydrometeorology sensors
- 4. Ground-based GPS receivers
- 5. Towers, wind-profilers, S-Pol radar and others







Meeting on Implementation of GCOS Reference Upper Air Network (GRUAN), Lindenberg, Germany, 25-28 February 2008