Overview of Observation Network over Navajo Reservation in AZ

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Overview of Issues

- Varied Terrain
- Not many observations
- Very diverse weather
- Radar coverage issues
- Unique hydrological issues
COOP Network

- Comprised of unpaid volunteers
- Climatological, Hydrological and Real Time Obs
- 7 on Navajo Lands
- 11 in close proximity to Navajo Lands
COOP/ASOS Network

- ASOS – Automated Surface Observing System
- Primarily for real time Aviation observations
- On Navajo Lands
  - Window Rock
- Near Navajo Lands
  - Page
  - Flagstaff
  - Winslow
  - St. Johns
This network incorporates local mesonet sites (home based weather stations).

These data are very valuable to ‘fill in gaps’.

Data is usually not as reliable nor calibrated as past observations listed.

Currently only have about five sites on or adjacent to the reservation. Many around Flagstaff.
Real-Time Observations

- These are the data that the NWS receives in real-time.
- Additional daily data is received routinely once/twice a day through the COOP network:
  - Navajo N.M.
  - Tuba City
  - Canyon de Chelly
  - Petrified Forest
  - Wupatki N.M.
  - Sunset Crater
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