



Cooperative Observer Program Updates

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National Weather Service

June 2024

COOP Overview

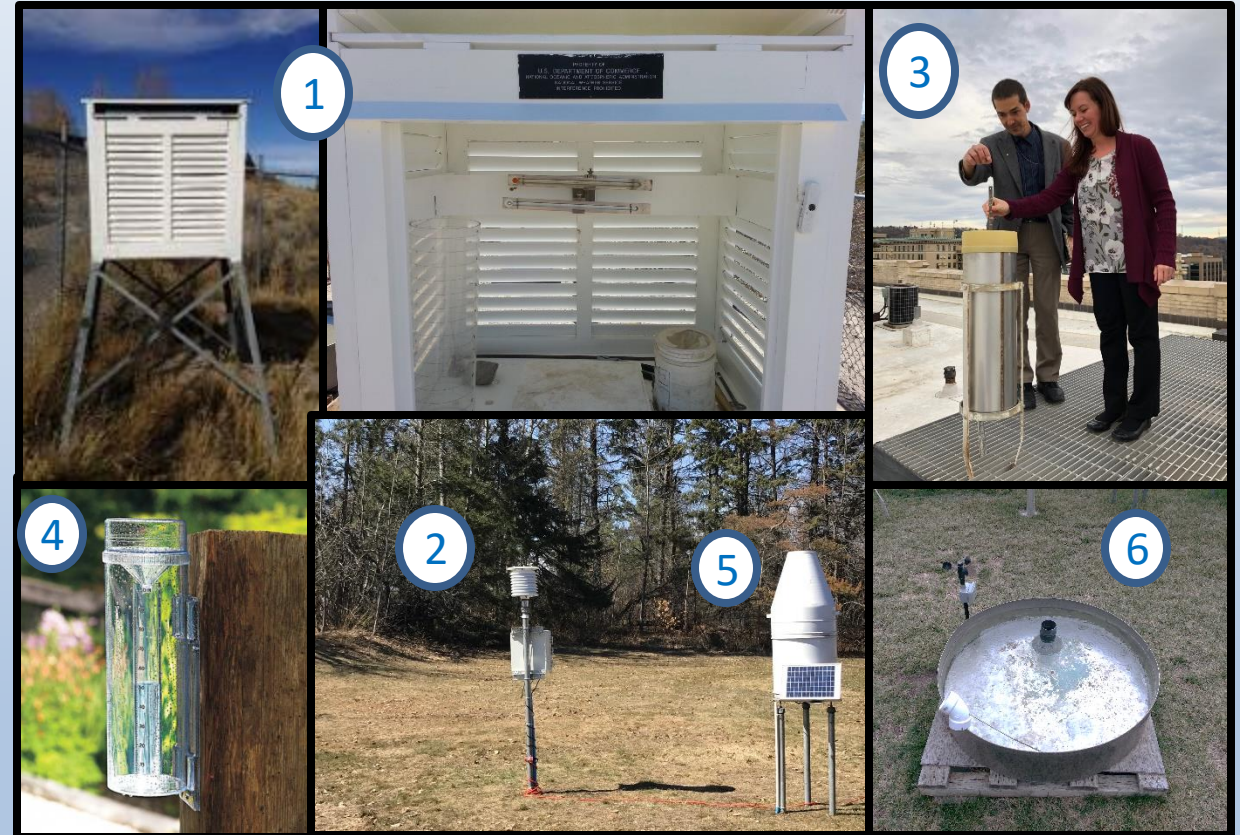
Equipment used to measure temperature

- 1) Liquid-in-Glass (LIG) thermometers housed in a Cotton Region Shelter (CRS)
- 2) Max/Min Thermometer System (MMTS)

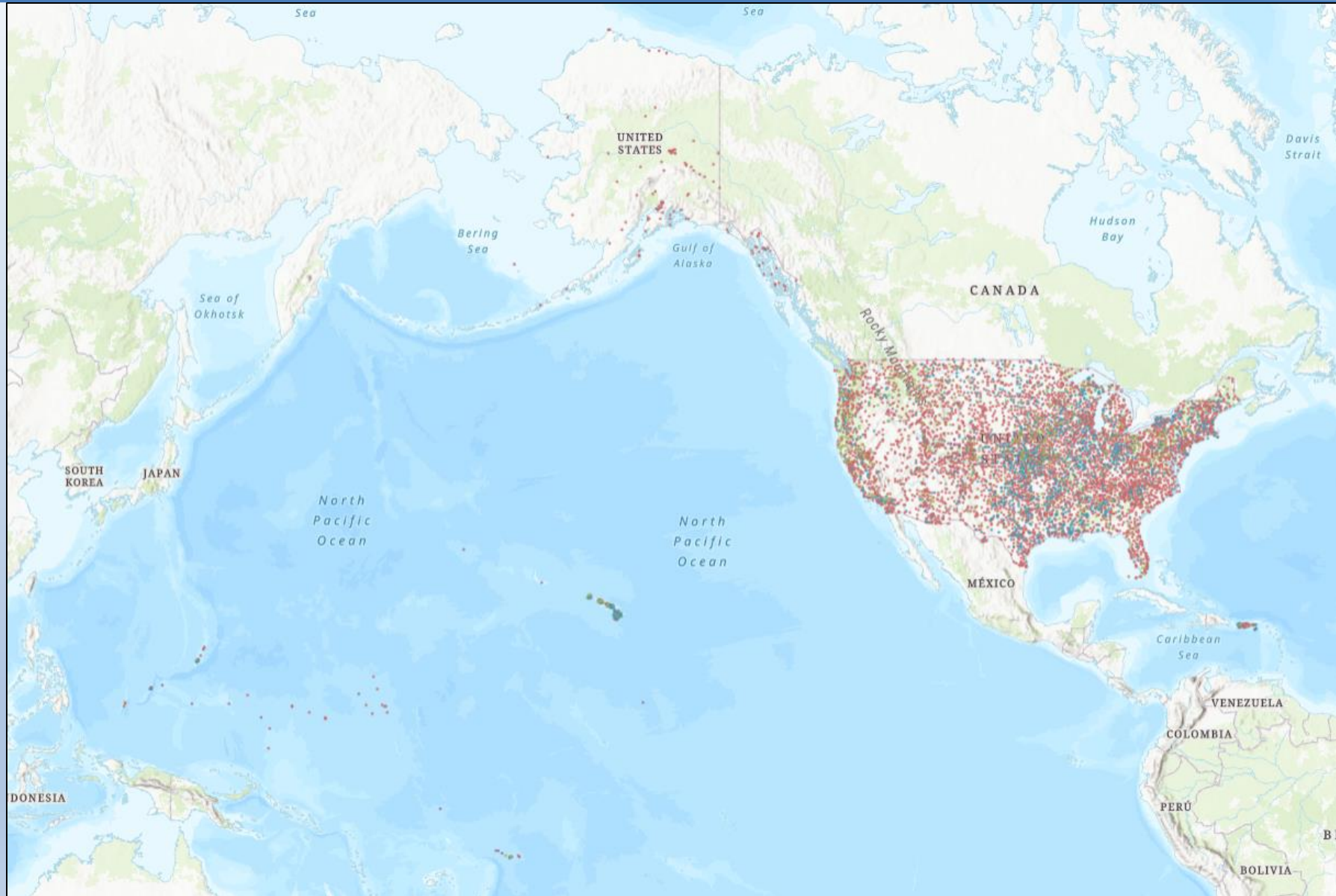
Equipment used to measure precipitation

- 3) Standard 8" Rain Gauge (SRG)
- 4) Plastic 4" Rain Gauge
- 5) Fisher-Porter Rain Gauge

Other equipment used to measure snowfall, snow depth, evaporation (6), and other hydrological elements



COOP Overview

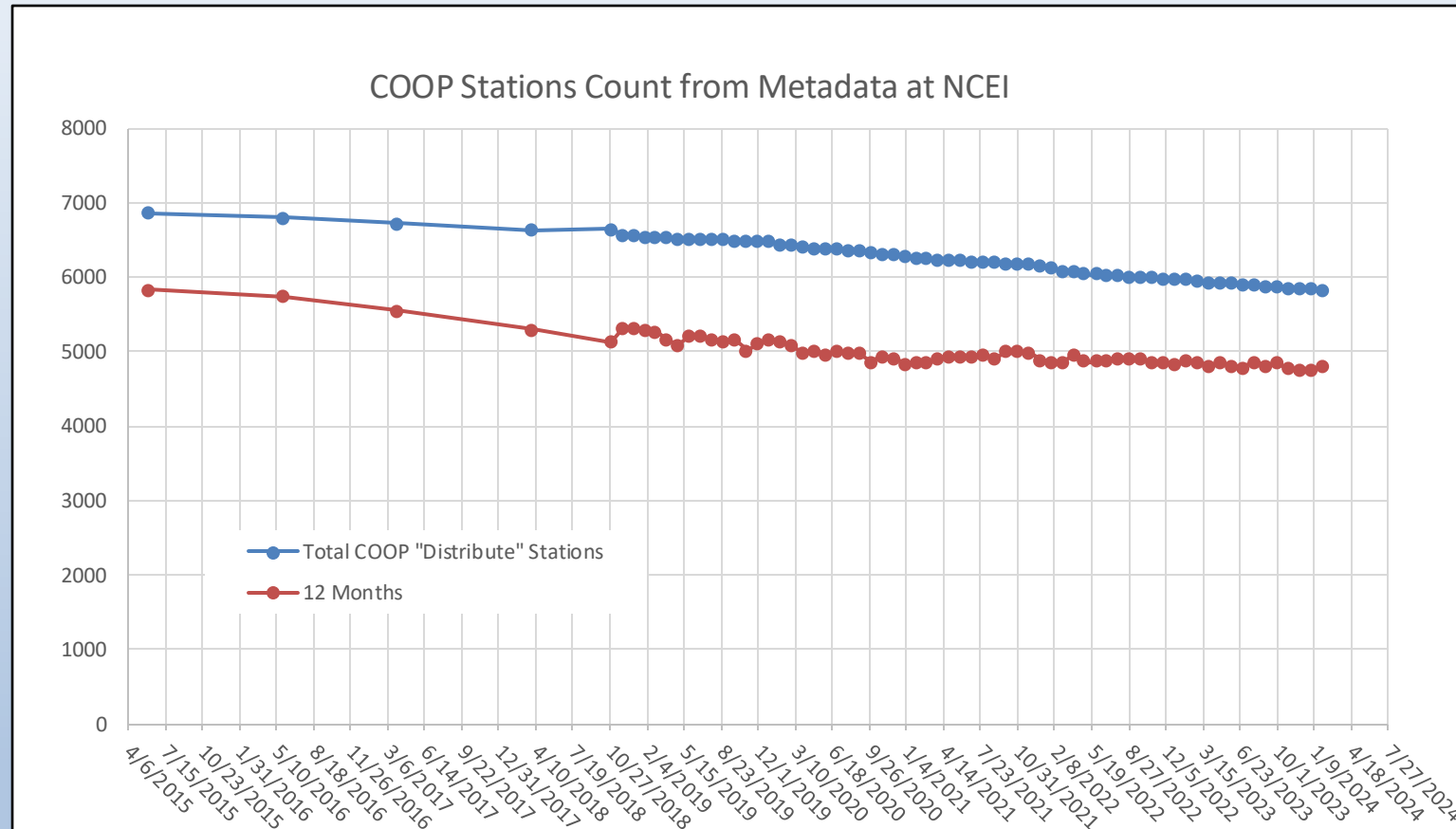


Legend

COOP sites 2023

- A_Network
- PCN
- SUP
- TMP

NWS COOP Program Updates

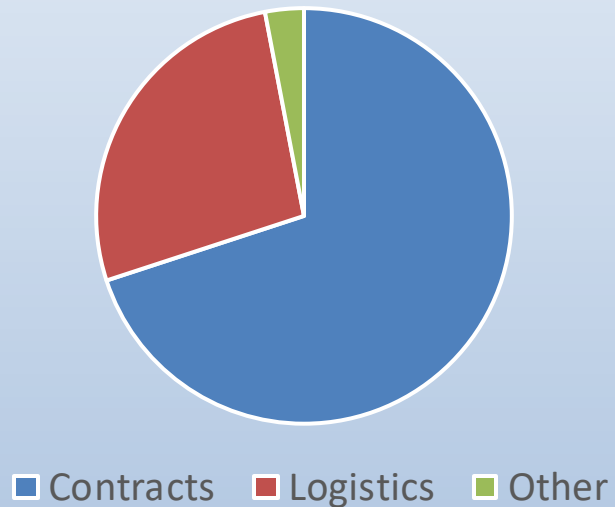


Graph of daily reported observations (**blue**) and stations turning in all “12 months” (**red**) of observations (2014-2024), does not include hourly precipitation data from Fischer Porter Rain gauges (total ~1800 sites receiving regular monthly reports from ~1100)
Data courtesy of NCEI.

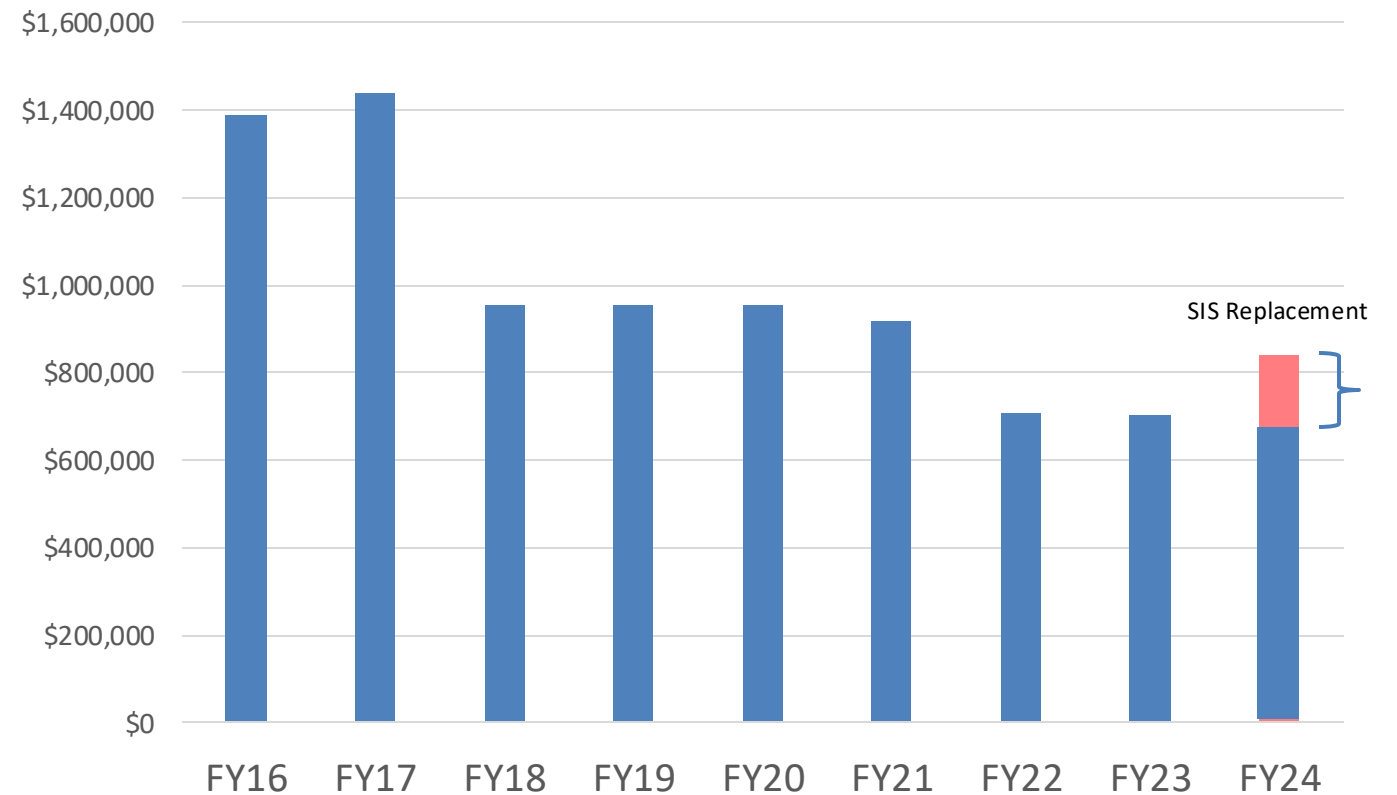
NWS COOP Program Updates

History of COOP HQ O&M Budget

FY23 Budget Breakdown

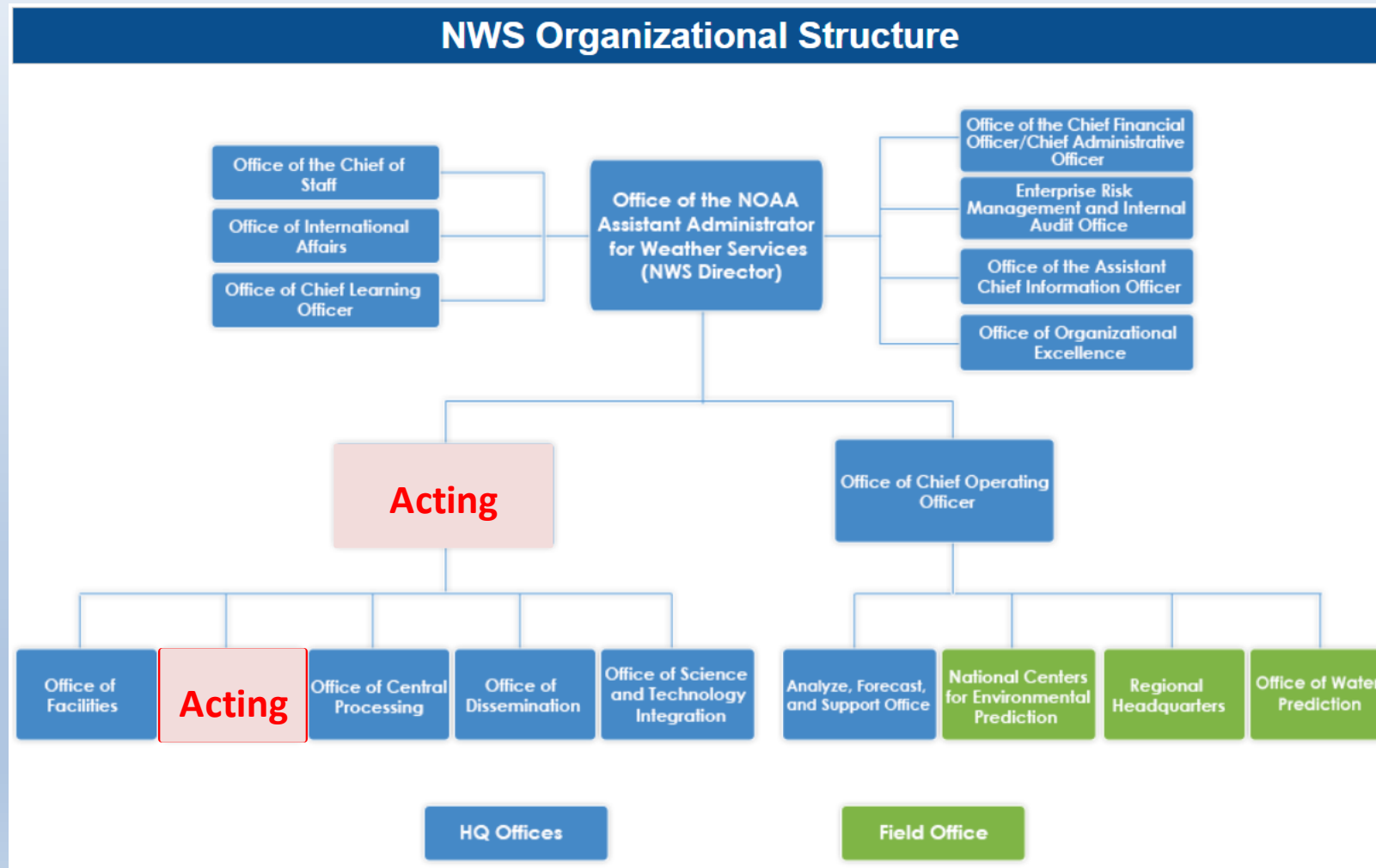


COOP Annual Budgets (Non-Labor)



NWS COOP Program Updates

Recent Activities: National COOP Plan...



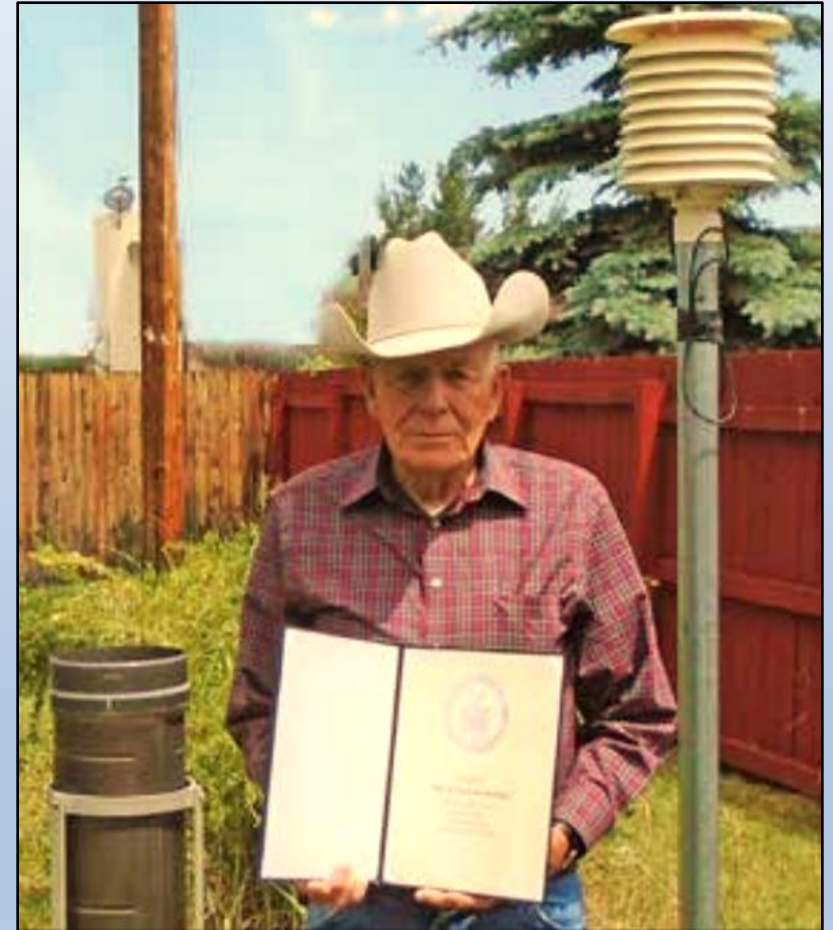
NWS COOP Program Updates

Recent Activities: National COOP Plan

- Four priorities
 - New instrument solution
 - New software system
 - Workforce
 - Volunteer
- Draft Complete Summer 2020
- Briefed Office of Observations July 14, 2020
- Briefed Office of Observations August 30, 2021
- Briefing Assistant Office of Observations June 6, 2022
- Follow-up conversations Summer 2022
- Request routing for official approval December 2022

SUAD Division Chief Hired – December 2022

New plan to be drafted by 30 June 2024



Volunteer at Yampa, CO receiving service award

NWS COOP Program Updates

Recent Activities: National COOP Plan

- Current Activities
 - Cont. Baseline program – **SIS Accounts**
 - Cont. Market Research for network integration of COTS solution
 - Cont. Workforce – OPLs are being hired
 - Cont. Seeking funding opportunities
- AND
- **Replacing our Metadata System (SIS)**



Photos are not a vendor endorsement



NWS COOP Program Updates

Recent Activities: Replacing Station Information System (SIS)

- Current Activities -Replacing our Metadata System (SIS)
 - Updating Station Renditions (focusing on outdated metadata)
 - Preparing database for migration to new system
 - Merging WxCoder Accounts with current SIS Account
 - Developing new solution with WRCC/DRI – **STAMS** (Station Metadata System)
 - Coming 30 June 2024!!
- Additionally, working with ASOS PMO and NCEI to link their metadata databases to provide all metadata for ASOS sites
- What this means for you – better metadata

SIS

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Questions?