

CoCoRaHS QA/QC Update

Steve Hilberg

CoCoRaHS Project Manager

CoCoRaHS QC Team

QC Ticketing Database

- A major accomplishment this past year was moving the database from the MRCC to a CoCoRaHS server
- All major functions retained
- Still operates as a system separate from the CoCoRaHS observation database
- Future plans are to upgrade the database, user interface, and to integrate it with the primary CoCoRaHS database

QA/QC

- For the third winter in a row there was a significant effort to contact observers about snow reporting errors.
 - Each contact was sent specific information on how to report snow parameters
- “Info sheets” about common errors have been created to send to observers (snow, multi-day reports)

QA/QC

- Dani Talmadge performs the majority of the QC on CoCoRaHS data
- 4541 QC tickets were submitted for the period May 16, 2019 to May 15, 2020.
- In 2017-2018 5900 tickets were submitted for the same period
- Roughly half of the tickets are submitted December through March

QA Strategies

- Additional data entry checks on input forms
- Screening step(s) prior to entering some data, e.g. new snow water content
- Continuous “training” to reinforce proper measurement and reporting procedures
 - We can’t assume training is “one and done”