



# CoCoRaHS Collections

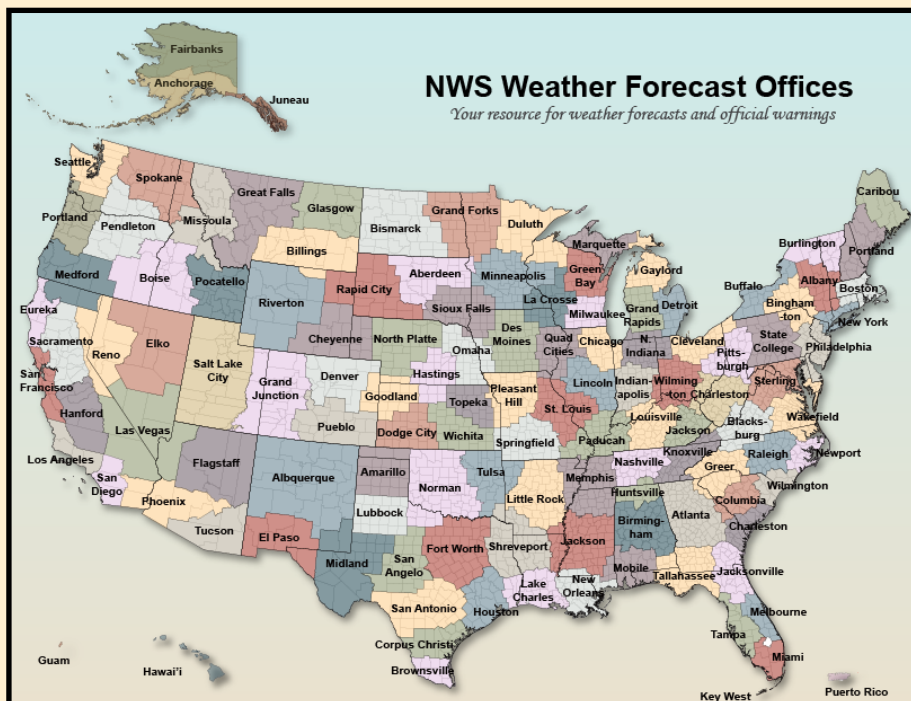
***“Because Every Drop Counts”***

The Ohio Newsletter

2019

## CoCoRaHS and the NWS

Did you know that there are 122 National Weather Service weather forecast offices across the country? There are 5 offices that cover portions of Ohio including Northern Indiana, Cleveland, Pittsburgh, Charleston, and Wilmington. One of the reasons there are so many offices is so that offices can specialize in their location with local knowledge of the weather that impacts the region.



There are 13 river forecast centers. These locations provide river modeling and forecasting. They interact both with weather forecast offices who put out the river flood warnings and also with water management agencies. The National Weather Service forecast offices and the river forecast centers nationwide are two of the many entities that utilize CoCoRaHS observations across the country on a daily basis. (Continued on page 4)



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A special thank you to those listed below for contributing to this newsletter!

-NWS Regional Coordinators for Ohio

-CoCoRaHS Headquarters and website

-National Weather Service and River Forecast Center websites



Is there a topic that you would like to hear about in a future newsletter?

If so, please contact:

Ashley.Novak@noaa.gov

## Numbers, Decimals, and More

Sometimes it might be hard to believe that the observation that several of you may take before your morning coffee is utilized by many across the country and beyond. From farmers to the National Weather Service, daily precipitation reports make a difference.

A large community of volunteers is important because precipitation is so highly variable. Radar can only tell part of the story as it estimates precipitation totals and therefore ground truth reports are needed to know exactly how much precipitation has occurred.

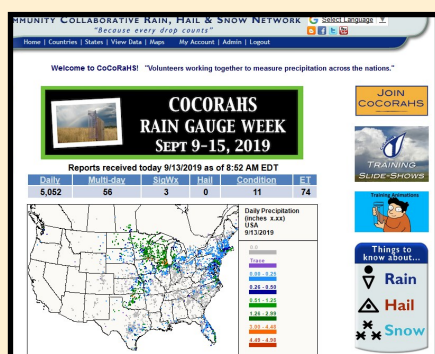
Because there are so many users of the data and since we are all human, there is a lot that goes into the quality control of CoCoRaHS observations. Many of these quality control measures are in place with the precipitation form itself. For example, if you try to enter your precipitation observation for 7am on the 25th at 2am on the 26th there is a quality control measure in place that you can only input your data one hour before your observation so you know, oops I forgot to change the day to the 25th! I know personally I've been very thankful for this one over the years.

Due to variable precipitation you might get a CoCoRaHS email asking to verify a certain precipitation amount. You may have 7.55 inches of rain while the station next to you has 2.34 inches. This email is to confirm the amount so we can see how well radar is going and sometimes there might be a question such as did any flooding occur at your location if it is not mentioned in the comments section.

Have you ever seen one of those bullseyes on the map and see that 50.00 inches of precipitation has occurred at a location? It is also very easy to misplace a decimal and zeros so that 0.50 inches ends up as 50.00 inches. Let's hope that nobody gets 50.00 inches in one day or there would be some serious flooding! An instance like this may be another reason you might receive a quality control email.

There are many different types of things that happen with the weather. Maybe you go out to the gauge and find it odd to see a little bit of water in it as it was sunny the day before, but report a T (Trace) of precipitation because you know there is water in the gauge. CoCoRaHS looks at precipitation that fell from the sky so if you know it was sunny and didn't rain, it most likely could be an accumulation due to dew or maybe even fog. In those cases a 0 report would be more appropriate. This is just another instance where you might get an email inquiring whether or not precipitation actually occurred.

All of these instances and others are meant to clarify reports that come in. Your data is that important and you are that important. Please do not be put off if you are contacted by a CoCoRaHS coordinator and/or National Weather Service employee asking to clarify a report.



← <https://www.youtube.com/watch?v=3oaFrdeR-sHU&list=PL86DC4C330F518387&index=2&t=0s>

More information about the QC process can be found in the new video to the left.

## Golden Raindrop Award 3000 Daily Precipitation Reports

OH-MR-3



Congratulations to our new Golden Raindrop Award member! This individual has reported over 3000 daily precipitation reports. You should receive your award certificate in the mail soon! Thank you for your daily dedication to CoCoRaHS!



## Silver Snowflake Award \* 2000 Daily Precipitation Reports

These individuals have reported over 2000 daily precipitation reports. There are no new Silver Snowflake Award members this newsletter.

## Bronze Observer Award-1000 Daily Precipitation Reports

Congratulations to our new Bronze Observer Award members! These individuals have reported over 1000 daily precipitation reports. You should receive your award certificate in the mail soon! Thank you for your daily dedication to CoCoRaHS!



OH-BR-8

OH-BT-18

OH-RC-7

Congratulations to our newest 500 Club members! These observers have submitted at least 500 daily precipitation reports since becoming a CoCoRaHS observer. We look forward to adding onto this list with the next newsletter. Way to go!

## 500 Club!



OH-BT-22

OH-CN-15

OH-CW-6

OH-ER-4

OH-FR-51

OH-HD-22

OH-MM-13

OH-SH-20

## Summer 2019 Honor Roll

**From June 1, 2019 through August 31, 2019, these Ohio stations reported everyday. Here are those stations who get a thumbs up for their dedication!**

Not listed below, but thought you reported everyday? You can check your reports. There are multiple ways to do this. You can go into your account and click on list/edit my daily precipitation reports. This will show your reports everyday. You can also go into 'view data' at the top of the page and click on 'station precipitation summary report.' Input your station and the period of interest. The missing days will be shown with dash marks. This list was compiled September 1st.

If there are additional questions email [Ashley.Novak@noaa.gov](mailto:Ashley.Novak@noaa.gov).

OH-AL-5  
OH-AS-5  
OH-AT-1  
OH-BL-6  
OH-BR-8  
OH-BR-9  
OH-CM-7  
OH-CM-9  
OH-CN-6  
OH-CN-10  
OH-CN-14  
OH-CN-15  
OH-CN-16  
OH-CB-2  
OH-CB-8  
OH-CC-1  
OH-CC-4  
OH-CW-1

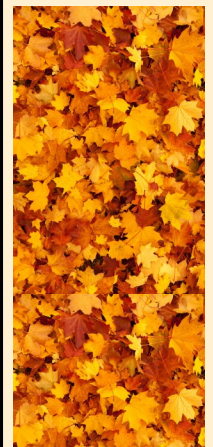
OH-CY-14  
OH-CY-16  
OH-CY-19  
OH-CY-24  
OH-CY-39  
OH-CY-48  
OH-DL-10  
OH-DL-12  
OH-DL-22  
OH-DR-1  
OH-DR-7  
OH-DR-9  
OH-DR-17  
OH-DR-26  
OH-ER-12  
OH-ER-18  
OH-ER-20  
OH-FR-2

OH-FR-3  
OH-FR-8  
OH-FR-46  
OH-FR-83  
OH-FR-87  
OH-GG-4  
OH-GG-11  
OH-GR-26  
OH-HD-22  
OH-HM-13  
OH-HM-23  
OH-HM-31  
OH-HR-2  
OH-HY-5  
OH-HY-9  
OH-KN-4  
OH-LC-1  
OH-LC-10

OH-LC-14  
OH-LC-22  
OH-LK-9  
OH-LS-22  
OH-LS-23  
OH-MD-1  
OH-MD-2  
OH-MD-10  
OH-MH-10  
OH-MH-11  
OH-MK-12  
OH-MK-13  
OH-MM-1  
OH-MY-5  
OH-MY-9  
OH-MY-17  
OH-MY-39  
OH-PT-2

OH-PT-9  
OH-PT-12  
OH-RC-7  
OH-RC-9  
OH-RS-8  
OH-SC-8  
OH-SD-2  
OH-SH-10  
OH-SH-11  
OH-SH-15  
OH-SH-20  
OH-SM-5  
OH-SM-22  
OH-SN-3  
OH-ST-6  
OH-TR-4  
OH-TS-1  
OH-UN-4

OH-VN-3  
OH-WD-12  
OH-WD-14  
OH-WD-19  
OH-WL-5



## Newsletter

### CoCoRaHS Collections The Ohio CoCoRaHS Newsletter

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**Because Every Drop Counts**

[www.cocorahs.org](http://www.cocorahs.org)



## Helpful Links for Ohio CoCoRaHS Observers

**Obtain replacement or extra equipment from our official suppliers:**

<https://weatheryourway.com/>

<https://www.ambientweather.com/strgloteprra.html>

**For information on Climate:**

<https://climate.osu.edu/>

<https://www.cpc.ncep.noaa.gov/>

**For Current Forecasts and Severe Weather Warnings:**

<https://www.weather.gov/>

**For river information:**

<https://water.weather.gov/ahps/>

**For drought information:**

<https://droughtreporter.unl.edu/map/>

<https://droughtmonitor.unl.edu/>



## CoCoRaHS and the NWS (Continued from page 1)

CoCoRaHS observations are utilized in river modeling to see how much precipitation is going to go into rivers and subsequently how they will respond. This is why even 0 reports are important. In the image on the right, how the river has been progressing up to present time is in blue and the river forecast based off of rainfall (or lack of rainfall) is in the purple. You can reference these graphs several places online including at the Ohio River Forecast Center page <https://www.weather.gov/ohrfc/>. If you would like to explore the National Weather Service website this can be found at <https://www.weather.gov/>

