



The Hoosier Observer

Indiana CoCoRaHS monthly e-newsletter

August 2021

July 2021 Statistics

Total observers reporting	576
Observers with no missing reports	334
Percent of total	58
Average Daily Reports per Day	468
Max # of Daily Reports and Day	497 / 16
Significant Weather Reports	22
Condition Monitoring Reports	43
E-T Reports	274
Max Daily Rainfall (County)	6.66" / (Shelby)

The quest for a 500-report day continues! We had two days in July with over 495 reports and we'd love to get over that hump. We also had 57 stations that came up just 1 report short of a complete month.

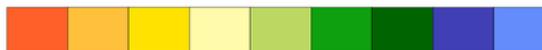
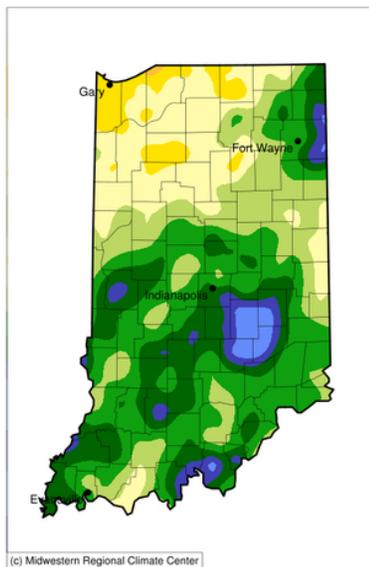
Thanks everyone for sending in your reports, and especially those zeros for those drier pattern weather days.

We'd also like to recognize the 19 new Indiana observers (Allen [3], Gibson, Hamilton [2], Hancock, Harrison, Hendricks, Howard, Lagrange, Lake, La Porte, Madison, Marion, Martin, Monroe, Shelby, Switzerland) that joined CoCoRaHS in the last month. Thanks for joining the team!

July 2021 Precipitation in Indiana

The July 2021 statewide precipitation was 5.09 inches -- 0.8 inches above the 1991-2020 normals. The map shown illustrates the percentage of the 1991-2020 normal precipitation for July 2021 where the northwestern part of the state received below-normal precipitation compared to the rest of Indiana. Of the observers that provided data *every day*, the greatest precipitation total for the month was 12.25 inches at COLUMBUS 0.4 WSW (Bartholomew County), whereas the lowest monthly precipitation total was only 1.11 inches at (KD9LWR) TRAIL CREEK 1.0 NNW (LaPorte County). Of those with *complete monthly records*, the maximum 1-day total was 6.26 inches on July 17th at MONROEVILLE 0.2 ESE (Allen County).

Accumulated Precipitation (in): Percent of 1991-2020 Normals
July 01, 2021 to July 31, 2021

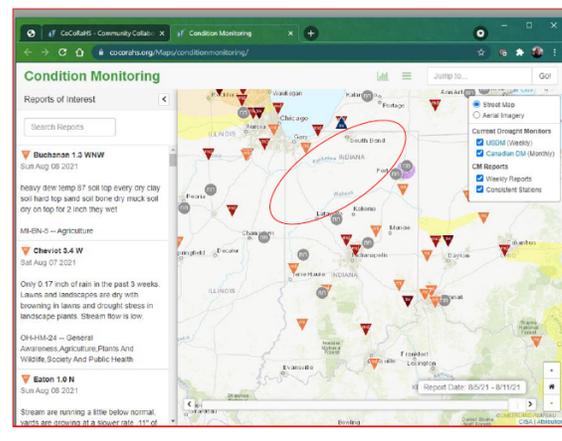


Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwest Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 8/16/2021 5:07:49 PM CDT

Your Condition Monitoring Reports Make a Difference!

By Beth Hall

A little over a year ago, we had an [article on CoCoRaHS Condition Monitoring Reports](#) that you can submit. These are useful any time of the year, but with Indiana currently trying to decide if it wants to be drought free or in a drought, your reports are more important than ever. Below, you'll see a recent map of Condition Monitoring Reports that our CoCoRaHS observers have submitted. Notice, however, there tends to be a void of reports in large swaths of the state. To submit a Condition Monitoring Report, once you log in, on the left-side navigation panel under "Enter My New Reports", you'll find a link for "Condition Monitoring Report". The submission form is rather simple and shouldn't take but a minute or two to fill out. Like the CoCoRaHS precipitation observations you submit, these are a great way of letting others know what is happening in your part of the state!



Indiana CoCoRaHS Observers Become Part of Climate Normals

By Steve Hilberg and Beth Hall

We are happy to announce that we have created a series of web pages to describe and give easy access to the new NCEI normals to CoCoRaHS observers. A total of [5448 CoCoRaHS stations](#) qualified for 1991-2020 climate normals, 4668 for Pseudo-normals and 760 for Provisional normals. In Indiana there were 129 stations that were included!

[CoCoRaHS and Climate Normals](#)

At this time, there is no link to this page from the CoCoRaHS home page. We will be doing that in the next day or two and then announce this to all of the observers through a message of the day, social media, and the next issue of The Catch. We wanted to give you an early preview of the pages before they were released to the public. If you have any questions about any of this, please email [Steve Hilberg](mailto:Steve.Hilberg).

[Entering Observations One or More Days Late](#)

by Steve Hilberg

We prefer you enter your observation each day but realize that's not always possible. Some observers don't use their computer each day and will go back and enter data for the last week or two weeks when they get the opportunity. If you do this, please be careful when entering your data. Please write down your observations and dates. When you log in, the Daily Report form will have today's date. When entering your data, it's probably best if you start with the most recent and work backwards. You have to pull up a new Daily Report form to enter each observation, and it will have today's date. Be sure you enter the correct date for the correct observation!

"Catching up" on data entry is a large source of errors in the CoCoRaHS database. If you are not careful, it can result in a number of errors in CoCoRaHS data, including:

- **False Zeros** - A zero is entered on a day when all surrounding stations had precipitation. Perhaps the zero was meant for the day before or the day after. This also sometimes occurs due to checking the wrong date on the Monthly Zeros form.
- **Day Shifting** - Precipitation is entered for the day it occurred, not the day it was measured. For example, an observer notes that rain fell on Wednesday afternoon, and reports it for Wednesday, instead of Thursday, the day it was measured. Or, observers accidentally transpose one day with another. Either way, often the red flag for this is a station has precipitation when all surrounding stations have none, or they have no precipitation when all surrounding stations have significant precipitation.
- **Multi-day accumulations entered on the Daily Form** - If you have a precipitation amount that was accumulated over two or more days, be sure to use the Multi-Day Accumulation form and NOT the Daily Report to enter your data. After you log in, select Multi-Day Accumulation in the left-hand menu under Enter My New Reports.

Finally, please go back and double-check that everything was entered correctly. It only takes a minute using the Station Precip Summary.

[If you Move or Change your Email Address](#)

If you are moving to a new home and want to continue to participate in CoCoRaHS, please let us know as soon as possible. Your observations are tied to a specific location, so we don't want observations from your new location associated with your previous location. The value of the observations is increased by their continuity at that location, so consider suggesting to the buyer or new tenant of your home that they participate in CoCoRaHS! We have a brochure that you can download, print and give to them.

When you know your new address, let us know. When you are ready, we will close your old station and open a new station at your new address (DO NOT sign up for CoCoRaHS again). Once that's done, you can enter observations from your new location. If you are moving to a different state, we can help you get in touch with that state coordinator so you can get started there.

Let us know if you change your email address so that your record is up to date. You can update your email address in the CoCoRaHS database yourself by logging in and clicking on My Account in the top line menu. Click on Edit in the My Information box. Make any corrections, then click save.

Please also send a message to andrew.j.white@noaa.gov with the email change as well, so we can update your address on our newsletter mailing list. This list is maintained separately from the main CoCoRaHS database.

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