



# CoCoRaHS Collections

*“Because Every Drop Counts”*

The Ohio Newsletter

Summer 2012

## Summer Heat and the Derecho

Summer has come to a close and many locations have already seen their first frost. Some of you have mentioned frost recently in your comments section. Although most locations have seen temperatures now in the 30s, not too long ago temperatures were in the 90s. Listed below are multiple locations across the state and the number of 90 degree or higher days this year. Of the locations listed below, Columbus led the way with 48 days of 90 degrees or warmer, while Youngstown experienced fewer 90 degree days at 18 days.

Some of these 90 degree days came at a very inopportune time as well. Many parts of the state experienced damaging winds that caused widespread power outages, tree damage, and structural damage. The derecho of June 29th swept through many states, including Ohio. A derecho means “straight” or “right” in Spanish. The term describes a long-lived, violent straight-line convective wind storm. Wind gusts upwards of 80 miles per hour and sometimes even 100 miles per hour are possible with these systems!

On the next page is a radar image of the event and the severe reports from the event. These images really show the widespread nature of the event. In addition to the images on the next page are some of the comments showing how much some individuals were impacted from these storms, while others did not even see a single drop of rain. (continued on page 2)

Location	90 Degree Days
Columbus	48
Cincinnati	44
Lima	39
Dayton	37
Cleveland	28
Zanesville	21
Youngstown	18

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

-Julian Turner,

CoCoRaHS Headquarters

-The CoCoRaHS, U.S.

Drought Monitor, Climate Prediction Center, Storm Prediction Center, and the NWS Wilmington website

-You!

-You!

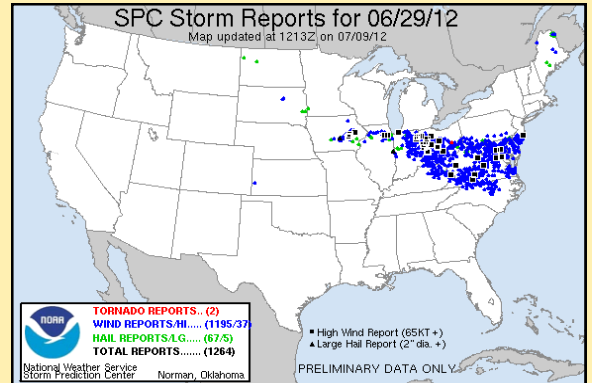


## Summer Heat and the Derecho (Continued)

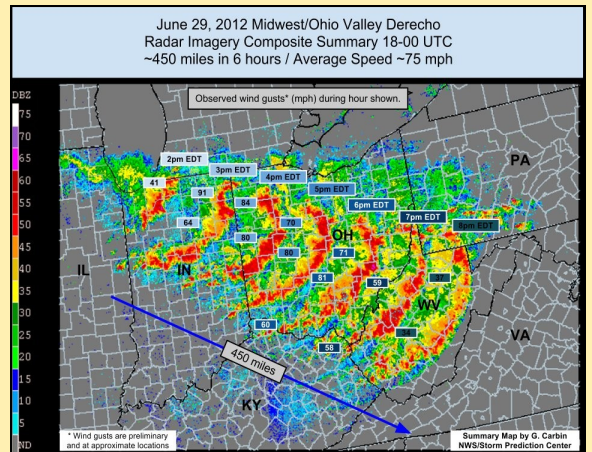
More information on derechos can be found at: <http://www.spc.noaa.gov/misc/AbtDerechos/derechofacts.htm>  
 Although the derecho briefly cooled off temperatures across the area, by the next day many locations were already back into the 90s. This left many individuals without power battling to stay cool. This heat lasted well into July and August across the area. Some locations across the state even reached the 100 degree mark! As with any season across Ohio, the weather was quite variable from one location to another. CoCoRaHS observers have really helped in quantifying this variability.

### The Derecho and You CoCoRaHS Comments From You

- OH-FR-24: WOW!!! What a Whopper of a Storm!!!
- OH-AT-2: Rain horizontal with 60-80 mph winds.
- OH-SH-9: Winds blew over the official gauge.
- OH-CN-1: Our property had 5 trees knocked down, but luckily no structural damage and no loss of power.
- OH-HC-2: This was the big one with winds 80+ mph. Wind damage unreal. Trees uprooted, roof off...
- OH-PB-1: MUCH needed rain fell in a t-storm yesterday afternoon but with a price, tree limbs fell blocking some roads and taking down a power line in town.
- OH-SN-3: A derecho event developed by late afternoon, however the storms missed my location and county.
- OH-UN-4: Rain finally, but very hot yesterday again before evening showers.

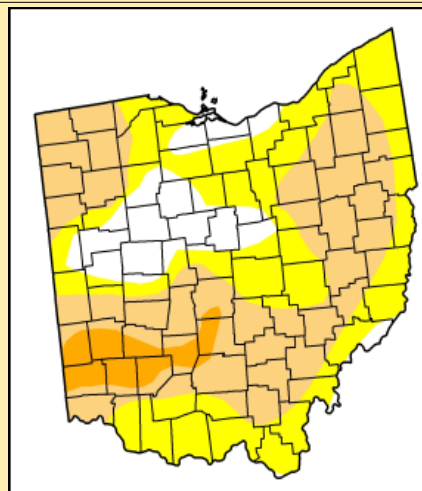


Upper Right: Storm Prediction Center reports for 6/29/12.  
 Lower Right: Summary map by G. Carbin NWS/Storm Prediction Center



## Drought Persists Across Portions of Ohio

The latest Drought Monitor for Ohio (shown to the right), that incorporates precipitation up through the morning of September 18th, shows drought conditions improving across some locations, while drought still persists across others. This map shows broad conditions across the state and as we see everyday with CoCoRaHS, conditions can vary greatly over short distances. (continued on page 3)



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

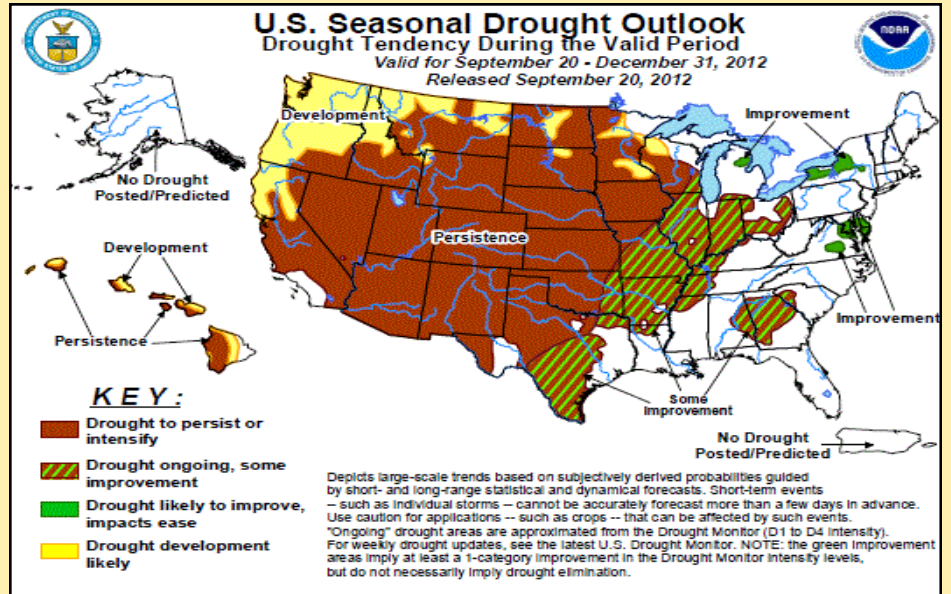
<http://droughtmonitor.unl.edu>



## Drought Persists Across Portions of Ohio (Continued)

As a reminder, if you are experiencing drought conditions in your location, a Drought Impact Report Form can be filled out in your account.

Although drought persists across portions of the state, the Climate Prediction Center's Drought Outlook shows some improvement over the Ohio Valley in the upcoming months (shown to the right). Unfortunately for locations west of our area little relief is in sight with persistent drought conditions expected to continue over the next few months.



## Bronze Observer Award-1000 Daily Precipitation Reports

OH-AT-6  
OH-AZ-1

OH-CN-6  
OH-CN-10

OH-LK-5  
OH-SN-3

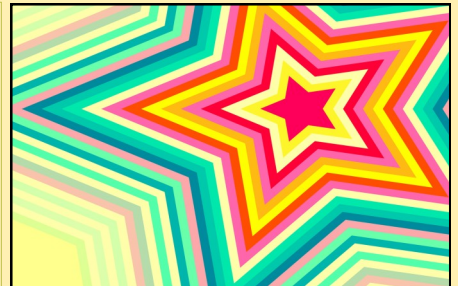
OH-WL-2



## 500 Club!

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!

OH-CH-2  
OH-CY-13  
OH-CY-16  
OH-FR-22  
OH-FR-24  
OH-LC-2  
OH-UN-4



## Summer 2012 Honor Roll

From June 1, 2012 through August 31 2012, these Ohio stations reported everyday. Here are those stations who get a thumbs up for their dedication!

OH-AT-1  
OH-AT-2  
OH-AT-5  
OH-AT-12  
OH-CB-2  
OH-CC-1  
OH-CK-1  
OH-CN-1

OH-CY-4  
OH-CY-8  
OH-CY-16  
OH-CY-23  
OH-DR-1  
OH-ER-20  
OH-FF-8  
OH-FR-1

OH-FR-3  
OH-FR-21  
OH-GG-4  
OH-HM-5  
OH-HM-13  
OH-HR-2  
OH-HY-5  
OH-LC-1

OH-LR-8  
OH-LR-11  
OH-LS-1  
OH-MD-2  
OH-MM-1  
OH-MY-5  
OH-OT-2  
OH-PT-8

OH-RS-1  
OH-SD-2  
OH-SH-4  
OH-SH-10  
OH-SM-4  
OH-SM-5  
OH-SM-16  
OH-SN-1

OH-SN-3  
OH-UN-4  
OH-WL-2  
OH-WN-3  
OH-WR-14



## 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:

<http://www.weatheryourway.com/cocorahs/store.html>

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

For information on Ohio Climate:

<http://www.geography.osu.edu/faculty/rogers/statclim.html>

<http://www.cpc.noaa.gov/>

For Current Forecasts and Severe Weather Warnings:

<http://www.weather.gov>

For river information:

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

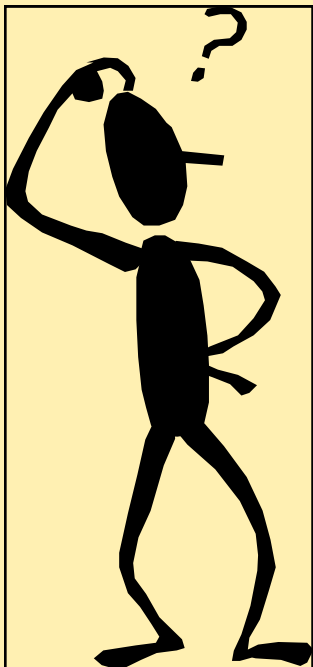
For drought information:

<http://drought.unl.edu/dml>

<http://droughtreporter.unl.edu/>



## CoCoRaHS Questions



*Question: I saw a couple of sprinkles (or flurries) coming down, but when I went to the gauge there was nothing in it, what do I report?*

*Answer: A Trace, T*

*Question: My gauge had only a drop or two of rain in it, what do I report?*

*Answer: A Trace, T*

*Question: My observation time is a time other than 7:00am, can I still use the multi-day accumulation form when I come back from vacation?*

*Answer: Yes! It does not matter when your observation time is, you can still utilize the multi-day accumulation form when you return.*

