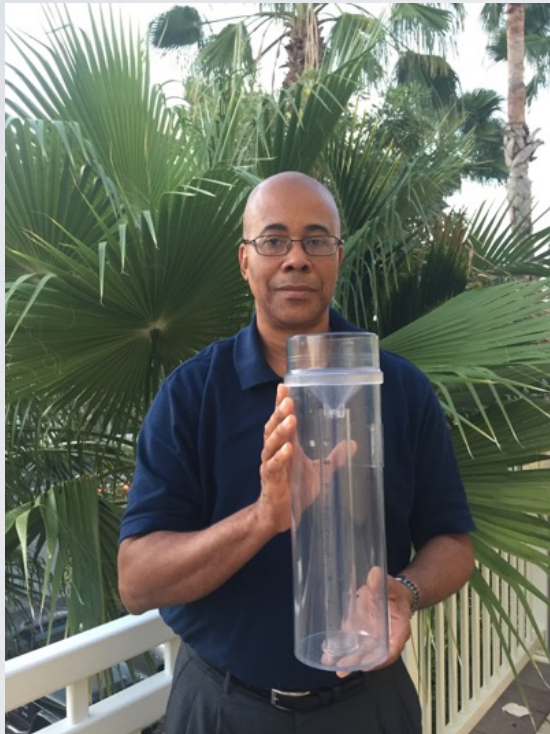




Training Slide Show

What is CoCoRaHS?

The Community Collaborative Rain, Hail and Snow Network

CoCoRaHS is a grassroots, non-profit, community-based, high-density precipitation network across the family islands ...

... made up of volunteers of all ages and backgrounds



... who take daily measurements of precipitation right in their own communities

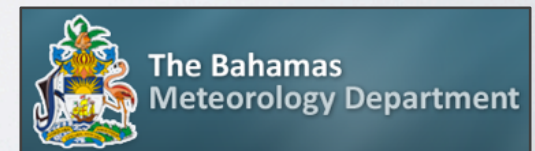
Once trained,
our volunteer observers
collect data using low-cost
measurement tools ...



4-inch diameter
high capacity rain gauges

Training is important to assure
accurate, high quality data

Bahamas CoCoRaHS Network



Officially began June 2016

www.cocorahs.org

Volunteers report their daily observations on our interactive Web site

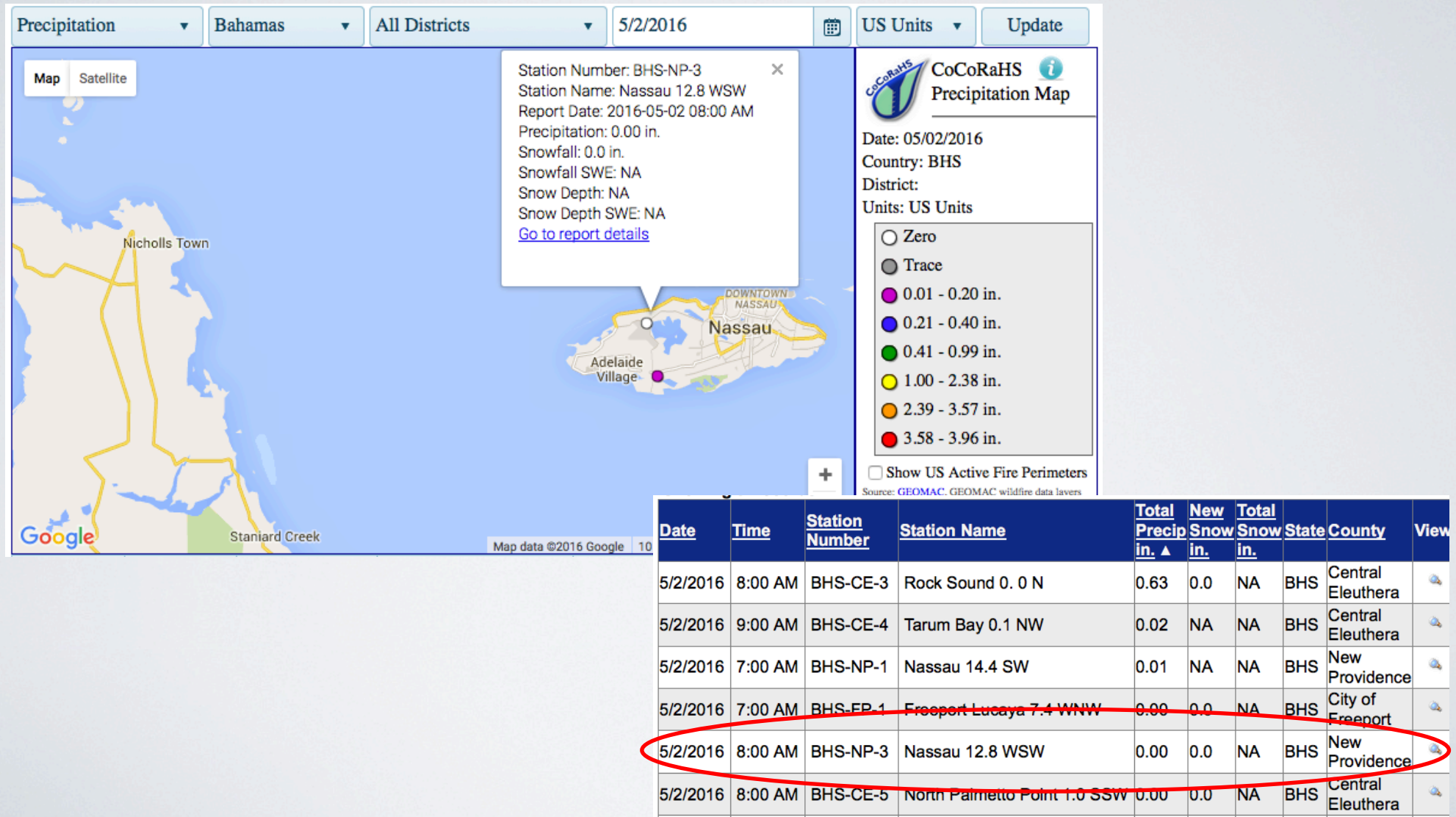
The screenshot shows the CoCoRaHS Bahamas website. At the top is the CoCoRaHS logo and the text "COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK". Below this is a navigation bar with links: Home, Countries, States, View Data, Maps, My Data, My Account, Admin, Logout. The main content area features a map of the Bahamas with the text "The Bahamas" and a link to "View the CoCoRaHS Bahamas Precipitation Maps". To the right of the map is a "JOIN CoCoRaHS" button and a "Things to know about..." section with icons for Rain, Hail, and Snow. Below the map is a "Help measure Rain!" banner with the CoCoRaHS logo and the website URL. To the left of the map is a "Main Menu" with links to Home, About Us, Join CoCoRaHS, Contact Us, and Donate. Below the menu is a "Resources" section with links to FAQ/Help, Education, Training, Slide Shows, Videos, Drought Impacts, and Evapotranspiration. At the bottom of the page are logos for the Bahamas Meteorology Department, HURRICANE PREPARED, WMO, and GCOS.

My Data Entry : Daily Precipitation Report Form

Precipitation Report Form		Submit Data	Reset
Station Number : BHS-NP-0			
Station Name : Nassau 2.4 SW			
* Denotes Required Field			
2/22/2016		*Observation Date ?	
7:00 AM		*Observation Time ?	
0.24 in.		*Rain and Melted Snow to the nearest hundredth inch that has fallen in the gauge during the past 24 hours, or T for trace, or NA for unknown. ?	
Observation Notes: (This will be available to the public) ?			
Sunny day with later afternoon shower. Strong NE winds. Temperatures are delightful!			
New Snowfall			
NA in.		Accumulation of new snow in inches to the nearest tenth ?	
NA in.		Melted value from core to the nearest hundredth ?	
Total Snow and Ice on Ground at Observation Time			
NA in.		Depth of total snow and ice (new and old) in inches to the nearest half inch ?	
NA in.		Melted value from core to the nearest hundredth ?	
Duration Information			
If a time is unknown or the storm has not ended leave it blank.			
Precipitation Began		4:15	AM PM
Precipitation Ended		5:00	AM PM
Heaviest Precipitation Began		4:20	AM PM
Heaviest Precipitation Lasted		10	minutes
These times are:		Reasonably Accurate	
Additional Information			
Any Flooding? Select a Flooding Value			
☐ Yes			
☒ No			
Did you record hourly precipitation (or other detailed time increments) for this storm? If yes, CoCoRaHS personnel may request a copy of this data later, so please save it.			
Submit Data		Reset	

Immediately viewable

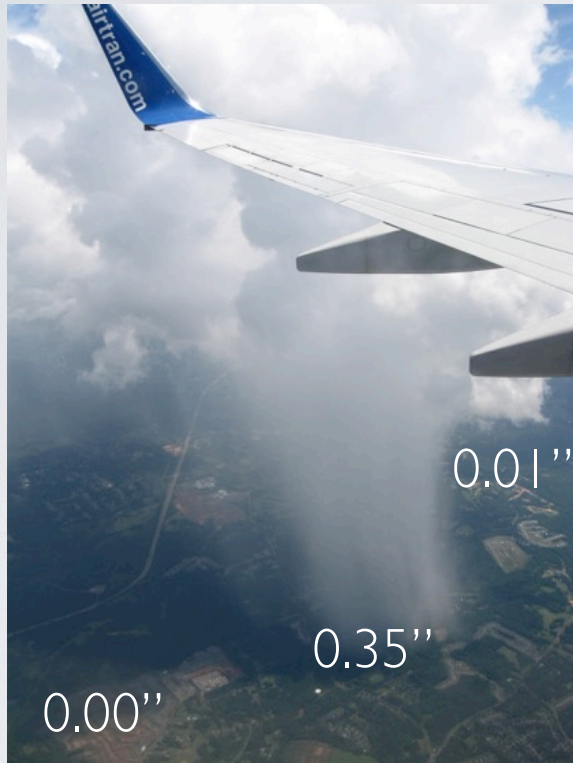
Volunteers observations are viewable in both map and table form within a few minutes



Why CoCoRaHS?

Great question!

Data sources are few and rain gauges are far apart



What falls at the airport
may not be what falls at your house

Precipitation is important
and highly variable





Measurements from many sources
are not always accurate

Even though hail is rare here,
there is almost no quantitative
data being collected about hail
on the islands

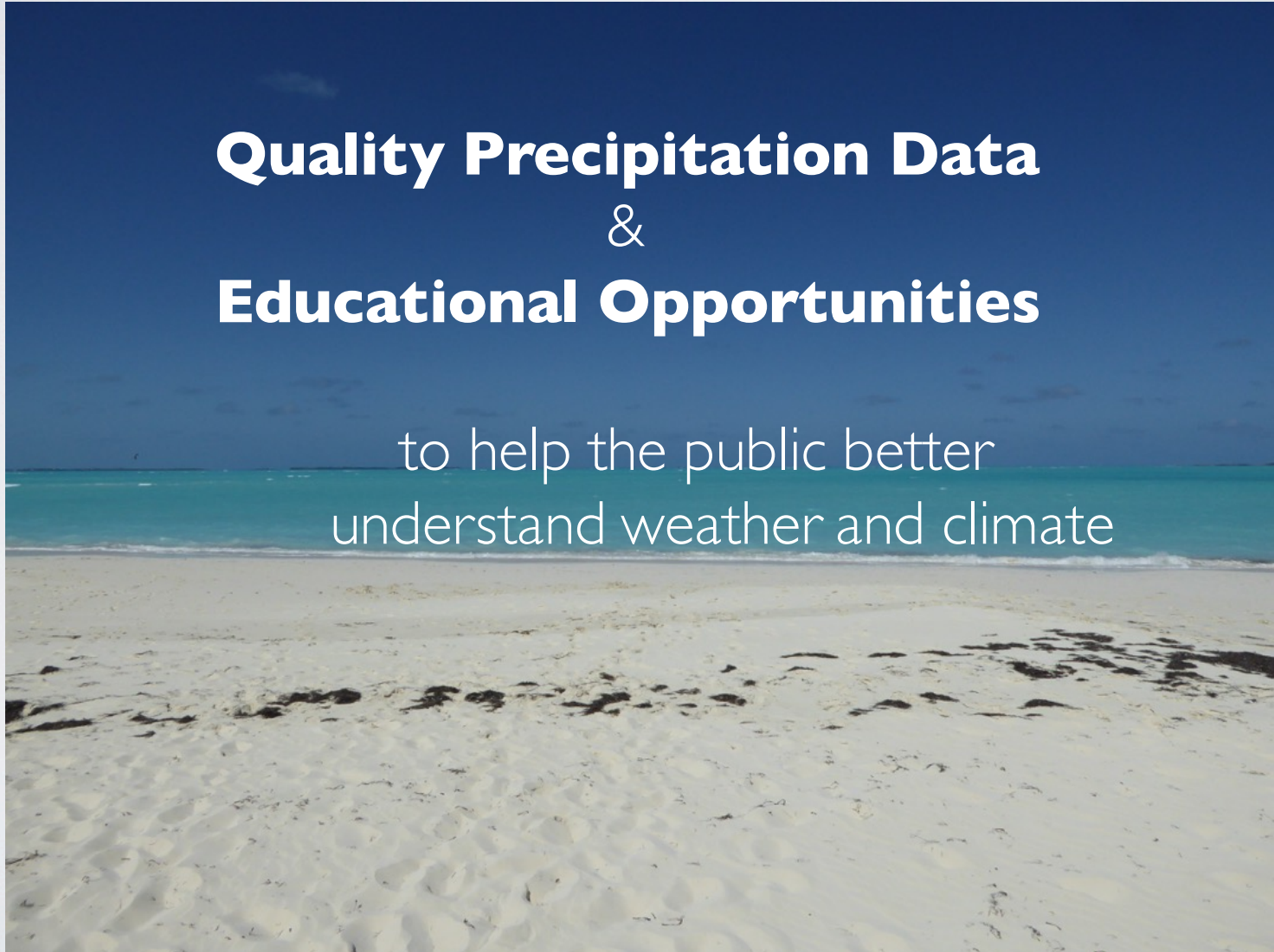


Storm reports can save lives, but
giving advanced warning of
possible flooding

CoCoRaHS's main focus is to provide:

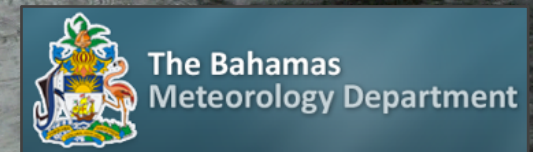
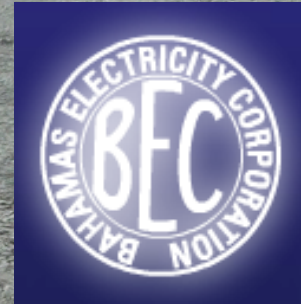
**Quality Precipitation Data
&
Educational Opportunities**

to help the public better
understand weather and climate



Examples of CoCoRaHS data users

The Bahamas Dept of Meteorology
Other Meteorologists
Hydrologists
NEMA (Emergency Managers)
Island Utilities
-Water and Sewage Corporation
-BTC (telephone)
-BEC (electric)
Insurance adjusters
Crop production (BAMSI)
Engineers
Scientists studying storms
Mosquito control
Environmental Health
Dept. of Tourism
Outdoor & Recreation
Teachers and students
The National Hurricane Center



The Bahamas Department of Meteorology



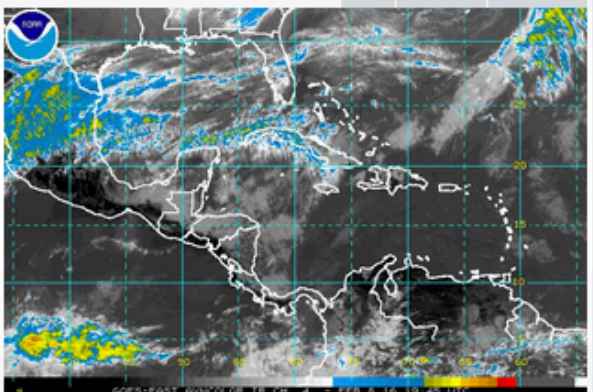
The Bahamas Meteorology Department

[Home](#) [About us](#) [Links](#) [Contact us](#) [Bahamian Government Portal](#)

Menu

- Current Weather
- Tropical Weather
- Forecasts
- Satellite/Radar
- Weather News
- Climate
- Health
- About us
- Links
- Contact us
- Bahamian Government Portal

Select Type: **IR** Radar Visible



GOES-EAST AVHRR LIR CR 4 FEB 8 16 19 45 UTC

Nassau, New Providence

Its currently in Nassau.

°F high °F | low °F

Wind: mph	Dew Point: °F
Humidity: %	Visibility: mi
Pressure: in	UV Index:

Tropical Weather



- Tracking a Storm
- How Hurricanes Form
- Evacuation Procedures
- More Information

The Bahamian Climate



The Climatic Section is a research and service unit of The Bahamas Department of Meteorology. We provide information and conduct research on the ... [More](#)

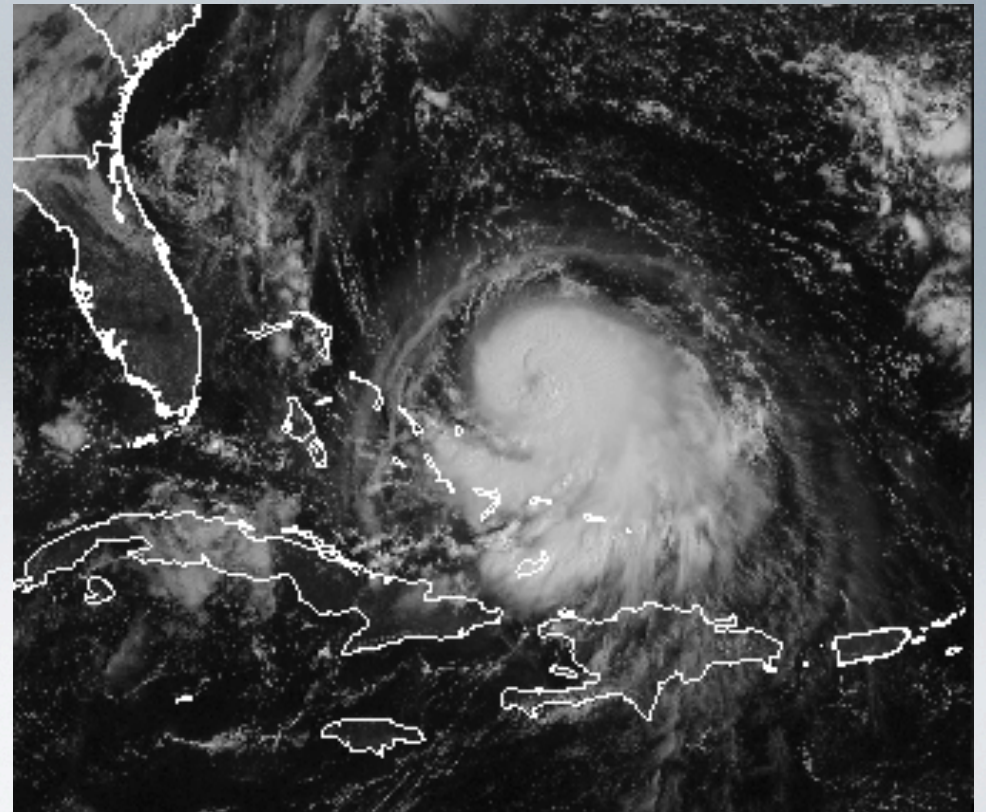
Copyright ©2016 The Bahamas Department of Meteorology.

Web Development By Paradigm Business Solutions

NOAA's National Hurricane Center - Tropical system post storm analysis

"We use the CoCoRaHS data in our post-storm summary to describe the overall impacts of a tropical cyclone event."

Dan Brown - National Hurricane Center



2015 – Hurricane Joaquin

Section One

Setting up your equipment
and measuring precipitation



In this section we will:

- a) Show how/where to place your gauge
- b) Explain how to measure rainfall with your gauge



Photo: Jim Jones

Placement of your gauge

*“Location is the
key to good data”*



Places **not** to place your gauge



The #1, all time worst place to put your rain gauge is to leave it in the box!

Putting your gauge under your gutter downspout is not a wise choice either!

Avoid placing it under trees or any structure



Although convenient, the deck is still too close to the house

Also avoid placing your gauge near:



Sprinklers both big and small



Animals (dogs, birds, potcakes . . . iguanas!)

Avoid anything that would artificially increase or decrease your catch gauge



Example: a solid fence

This can cause updrafting during strong winds, which may reduce your gauge catch.

residential



rural



Ideal placements for
your gauge



urban

Distance from Obstacles

In open areas strive to be twice as far from obstacles as they are high.

In developed areas strive to be as far from obstacles as they are high.



Distance between Trees

Ideally, place your gauge equidistant from the nearest trees

Height above the ground

In open areas place the gauge top approx. 2 feet off the ground



In developed areas place the gauge top approx. 5 feet off the ground



Level and Bevel

Make sure that your gauge is level

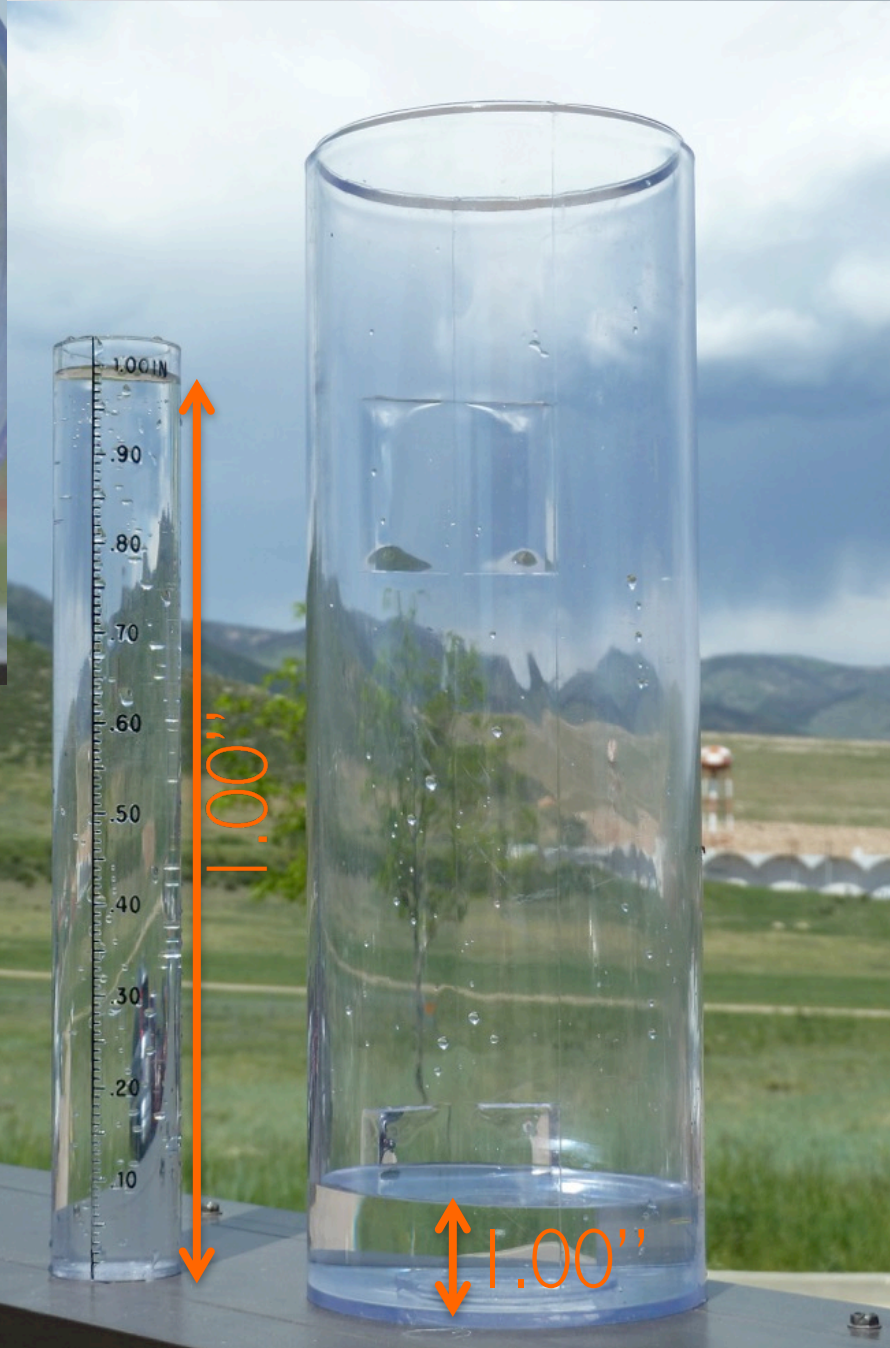
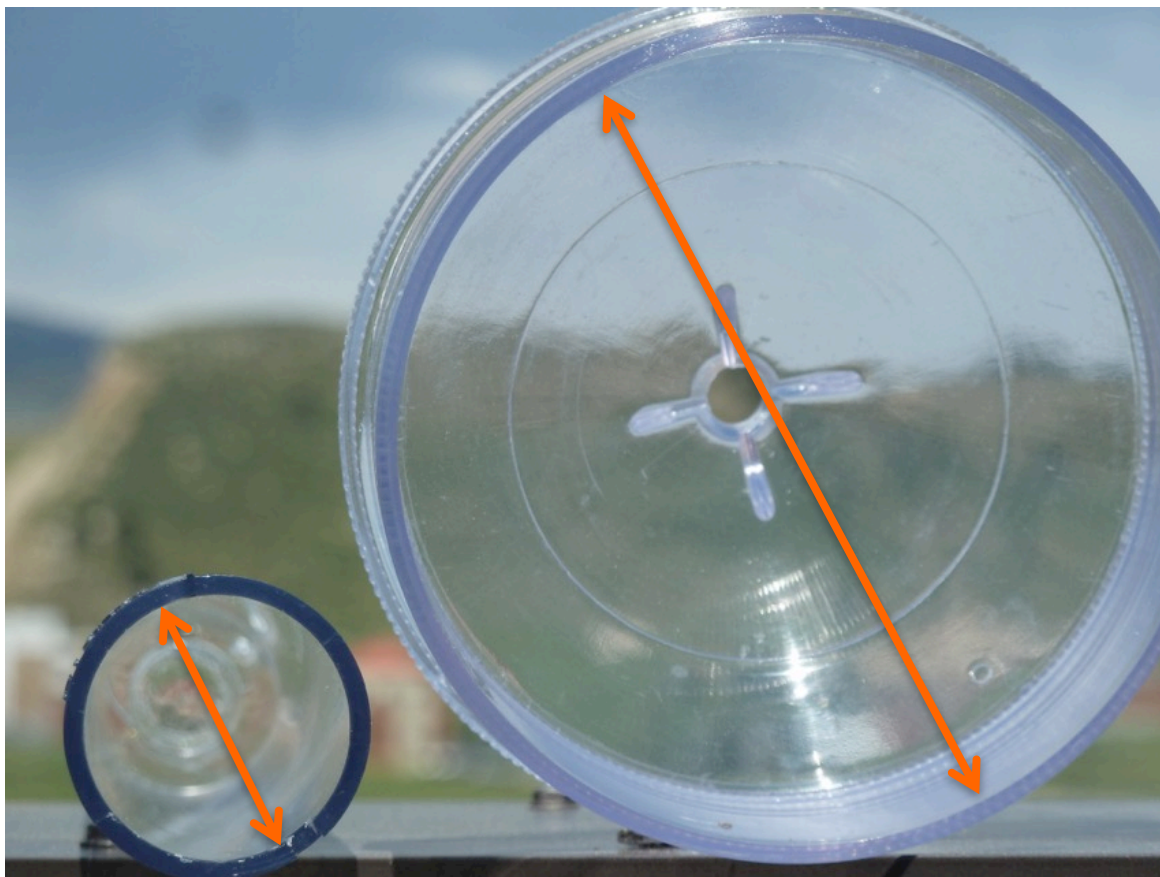


Bevel the top of the post to reduce rain splashing into the gauge

Measuring Rainfall with your Gauge

*“Accuracy and consistency
are very important”*





One inch of rain in the inner tube looks different than one inch of rain in the outer tube

A Word about Decimals

Please be careful when recording your measurement. Getting the decimal point correct is essential !

0.40"

*There is a large water difference between
0.40 inches and 4.00 inches*

Please do not round up

*It is very important to record as accurately
to the nearest hundredth of an inch.*

*Please **do not** round up to the nearest tenth!*

***If you measured 0.98" please record that amount.
Do not record it as 1.00"***

When should we take our observations?



7:00AM is preferred

Between 4:30AM and 9:30AM is OK

Other times are accepted, but they will not appear on CoCoRaHS Maps

Reading your Gauge

*Here are the most common
situations you will encounter*



YOUR MOST COMMON
OBSERVATION WILL BE ...

ZERO **0.00"**

*It is important to know
where it did NOT rain.*

Please report zeros!



We do experience drought
among the family islands

Your reports of **zero** are extremely helpful

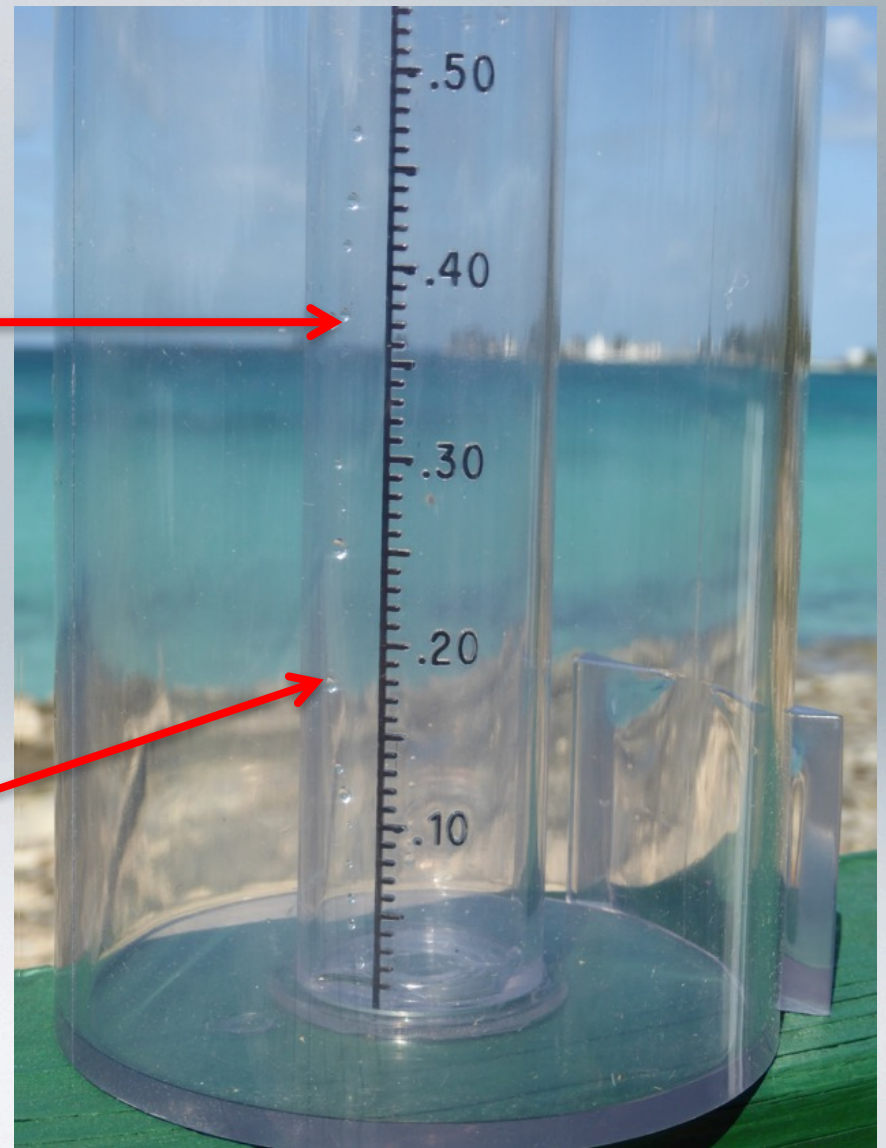


And are used to forecast drought conditions,
which can lead to wildfires and water shortages

A “spry” ... only a few drops

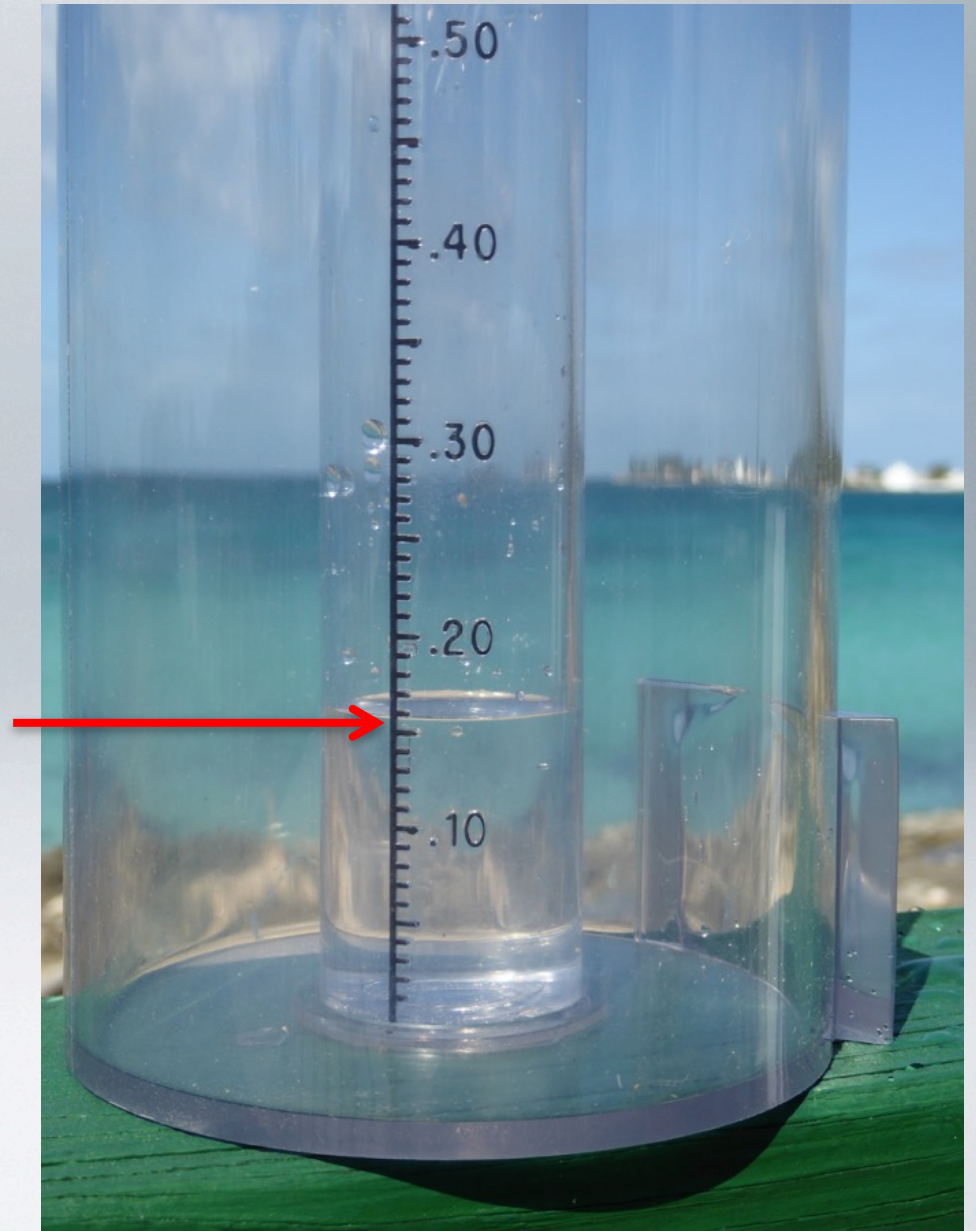
Trace “**T**”

*“When only a drop or two wet
the gauge record “T” for Trace*



Between “***T***” and
“***two tenths***”
of an inch

“That’s ***0.16***” or sixteen
hundredths



The Meniscus

*The surface of the water in the gauge looks curved.
How do I know where to read?*

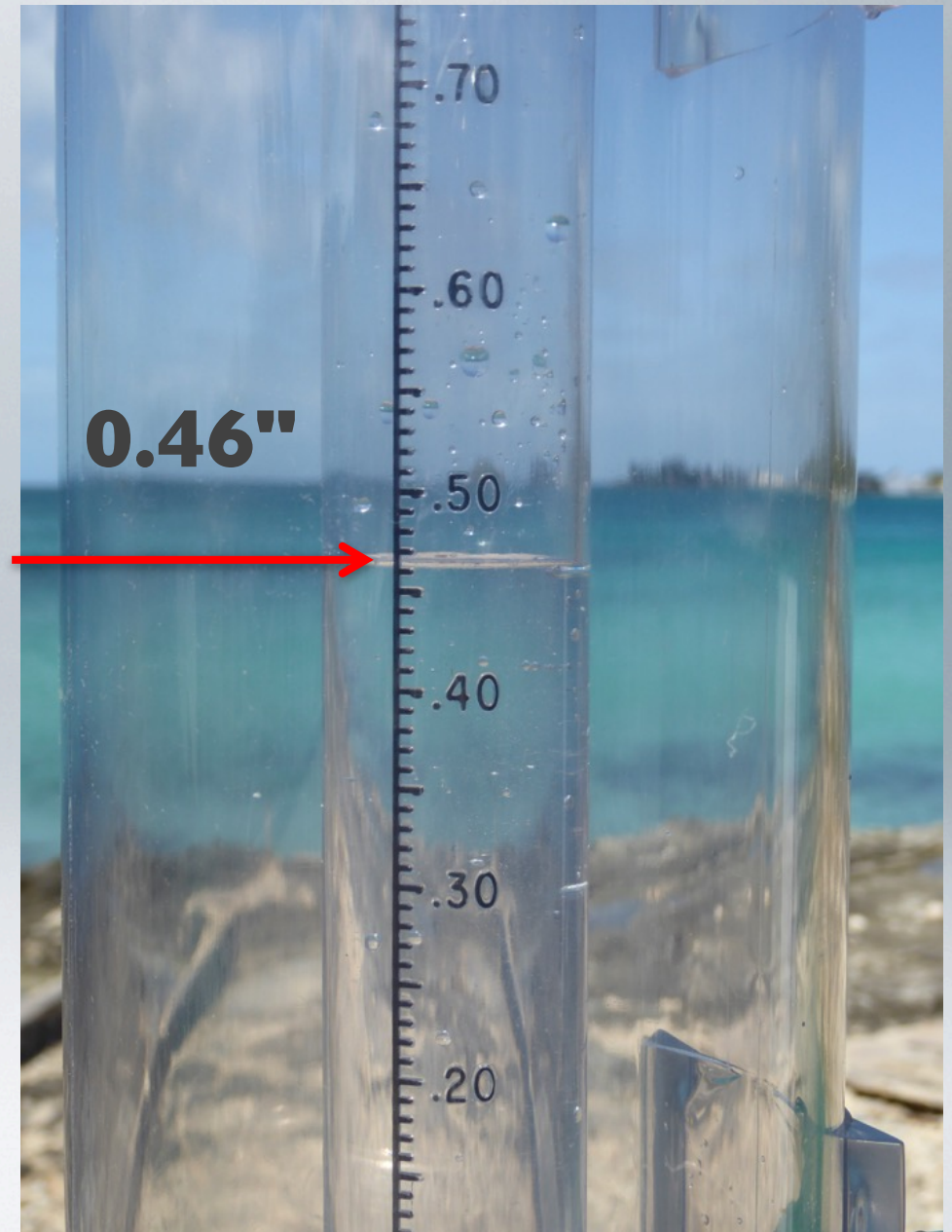
As water fills up the measuring tube, a curved surface is formed called a meniscus. It is formed by the surface tension of a liquid in contact with the sides of the tube.

Always read the bottom of the **meniscus**, when the making your daily rain measurements.



A nice soaking rain

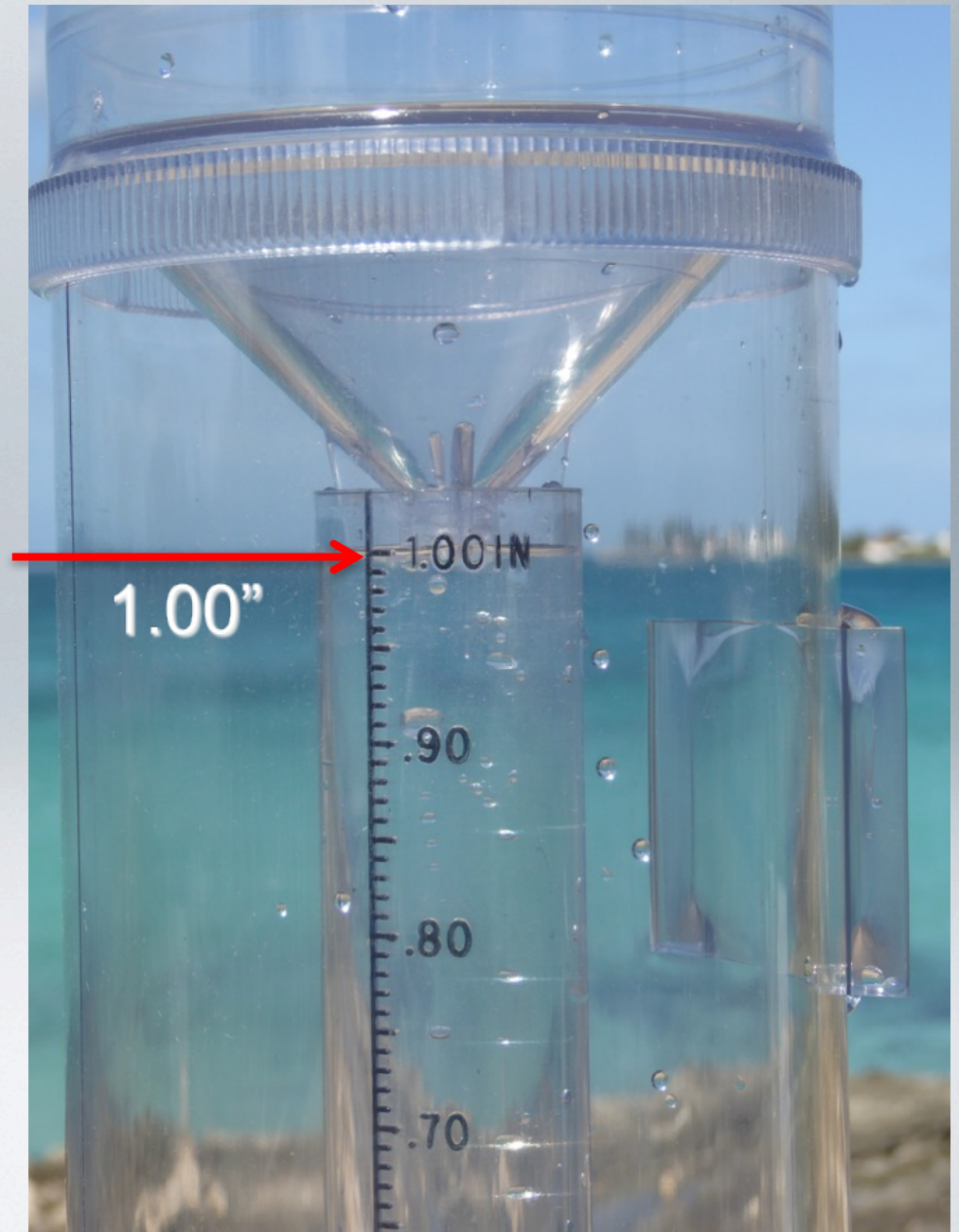
*“This is “forty-six hundredths”
of an inch and is
recorded as 0.46”*



A really good rain !

Almost at the top of the inner- tube.

This is “one inch” and is recorded as 1.00”





IF THERE IS VERY HEAVY RAIN FALLING

PLEASE submit a

“Significant Weather Report”
as soon as possible

Your report immediately goes to the
Bahamas Dept of Meteorology

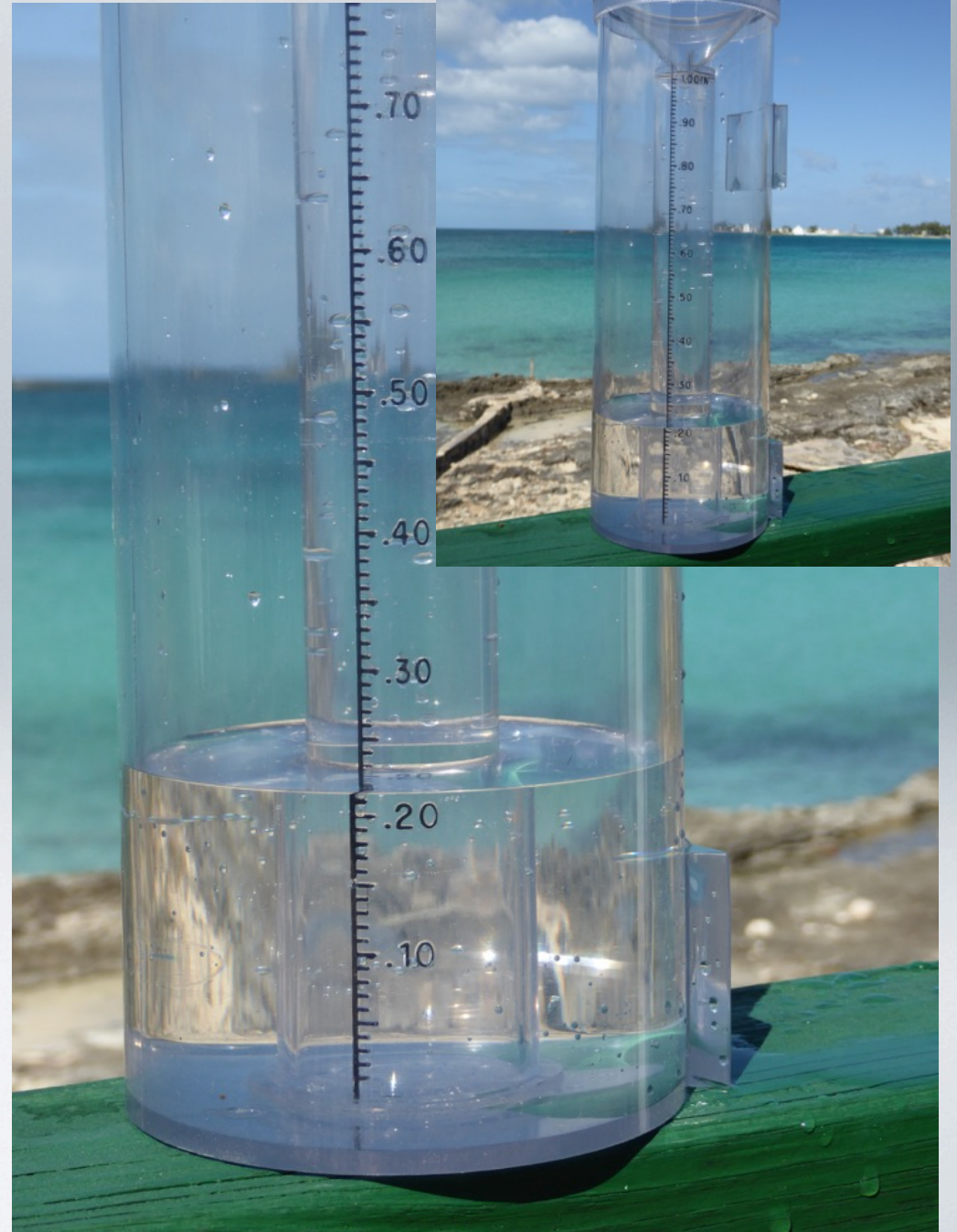
Your report provides them with much
needed information to issue severe
weather statements such as flash flood
warnings and these can save lives!

Significant Weather Report		Submit Data	Reset
Station Number : CO-LR-610			
Station Name : Fort Collins 3.5 SW			
* Denotes Required Field			
8/4/2014		*Observation Date	
4:25 PM		*Observation Time	
35		Minutes Time duration that the report covers	
Rain			
2.45 in.		New Rain and Melted Snow that has fallen during the report duration, in inches to the nearest hundredth	
2.45 in.		Total Precipitation, rain and melted snow, since storm began, in inches to the nearest hundredth	
Snow			
		Depth of New Snow that has fallen during the report duration, in inches to the nearest tenth	
		Total depth of snow and ice on ground at the time of this observation to nearest half inch	
Additional Information			

Lots of rain !!

When more than an inch of rain falls the precipitation will overflow into the outer cylinder.

The whole gauge has a capacity to hold a little over eleven inches.



To measure greater than one inch of rain . . .



Pour out the first inch from the inner tube and write it down.



Pour the remaining water into the funnel and measure the inner tube.



Continue until all of the water has been measured. Make sure you keep track of your measurements along the way.

Finally add up all of your measurements

$$\begin{array}{r} 1.00 \text{ inch} \\ 0.97 \text{ inches} \\ +0.24 \text{ inches} \\ \hline \textbf{Total = 2.21"} \end{array}$$



Although not common on the islands,
if you see hail, please submit an

“On-Line Hail Report”

as soon as possible

*Your report goes right to the
Bahamas Dept of Meteorology*

*It provides them with much needed
information to issue severe weather
statements.*



Photo by Carl Whitehurst

Section Two

Reporting Observations

My Data Entry : Daily Precipitation Report Form

Precipitation Report Form		Submit Data	Reset
Station Number : BHS-NP-0			
Station Name : Nassau 2.4 SW			
* Denotes Required Field			
2/22/2016	*Observation Date ?		
7:00 AM	*Observation Time ?		
0.24 in.	*Rain and Melted Snow to the nearest hundredth inch that has fallen in the gauge during the past 24 hours, or T for trace, or NA for unknown. ?		
Observation Notes: (This will be available to the public) ? Sunny day with later afternoon shower. Strong NE winds. Temperatures are delightful!			
New Snowfall			
NA in.	Accumulation of new snow in inches to the nearest tenth ?		
NA in.	Melted value from core to the nearest hundredth ?		
Total Snow and Ice on Ground at Observation Time			
NA in.	Depth of total snow and ice (new and old) in inches to the nearest half inch ?		
NA in.	Melted value from core to the nearest hundredth ?		
Duration Information			
If a time is unknown or the storm has not ended leave it blank.			
Precipitation Began	4:15		
Precipitation Ended	5:00		
Heaviest Precipitation Began	4:20		
Heaviest Precipitation Lasted	10		
These times are:		Reasonably Acc	
Additional Information			
Any Flooding? Select a Flooding Value			
☐ Yes Did you record hourly precipitation storm? If yes, CoCoRaHS personnel may request			
☒ No			



www.cocorahs.org

The Bahamas CoCoRaHS Web site



COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK
"Because every drop counts"

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**The Bahamas**

Main Menu

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- [Join CoCoRaHS](#)
- [Contact Us](#)
- [Donate](#)

Resources

- [FAQ / Help](#)
- [Education](#)
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- [Videos](#)
- [Drought Impacts](#)
- [Evapotranspiration](#)
- [Volunteer Coordinators](#)
- [Hail Pad](#)
- [Distribution/Drop-off](#)
- [Help Needed](#)
- [Printable Forms](#)
- [The Catch](#)
- [Message of the Day](#)
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- [Web Groups](#)
- [State Newsletters](#)
- [Master Gardener Guide](#)
- [State Climate Series](#)
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- [WxTalk Webinars](#)
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[View the CoCoRaHS Bahamas Precipitation Maps](#)



Welcome to CoCoRaHS Bahamas!

The **Bahamas Islands** are delighted to be participating in the growing CoCoRaHS network. Bahamas CoCoRaHS observers provide important information about rainfall that is used by meteorologists, hydrologists, farmers, water resource managers, and your friends and neighbors. This effort in the Bahamas is especially important given the great variation in rainfall across the islands from Grand Bahama to Great Inagua.

AMBAADOR™

YOUR DAILY “24 HOUR” OBSERVATION

Click on “My data” from the top menu bar



COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK
“Because every drop counts”

[Home](#) | [Countries](#) | [States](#) | [View Data](#) | [Maps](#) | [My Data](#) | [My Account](#) | [Logout](#)

[e](#) [f](#) [t](#) [YouTube](#)

My Data Entry : Daily Precipitation Report Form

Enter My New Reports

- [Daily Precipitation](#)
- [Multi-Day Accumulation](#)
- [Hail](#)
- [Significant Weather](#)
- [Monthly Zeros](#)
- [Drought Impact Report](#)
- FROST Reports**
 - [Frost](#)
 - [Optics](#)
 - [Snowflake](#)
 - [Thunder](#)

List/Edit My Reports

- [Daily Precipitation](#)

Precipitation Report Form

[Submit Data](#) [Reset](#)

Station Number : BHS-NP-0

Station Name : Nassau 2.4 SW

* Denotes Required Field

***Observation Date** ?

***Observation Time** ?

in. ***Rain and Melted Snow to the nearest hundredth inch that has fallen in the gauge during the past 24 hours, or T for trace, or NA for unknown.** ?

Observation Notes: (This will be available to the public) ?

New Snowfall

Enter the total precipitation measured in your gauge.
Record your measurement in hundredths (0.00")



COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK
"Because every drop counts"

[Home](#) | [Countries](#) | [States](#) | [View Data](#) | [Maps](#) | [My Data](#) | [My Account](#) | [Logout](#)

[B](#) [f](#) [t](#) [You Tube](#)

My Data Entry : Daily Precipitation Report Form

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- [Monthly Zeros](#)
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- FROST Reports**
 - [Frost](#)
 - [Optics](#)
 - [Snowflake](#)
 - [Thunder](#)

List/Edit My Reports

Precipitation Report Form

[Submit Data](#) [Reset](#)

Station Number : BHS-NP-0

Station Name : Nassau 2.4 SW

* Denotes Required Field

***Observation Date** ?

***Observation Time** ?

in. ***Rain and Melted Snow to the nearest hundredth inch that has fallen in the gauge during the past 24 hours, or T for trace, or NA for unknown.** ?

Observation Notes: (This will be available to the public) ?

Heavy shower at 11AM. Lots of lightning and thunder.
Some small street flooding. Sun was back out at 1PM

Record your measurement
in hundredths (0.00)

You can enter comments under “notes”

These are very helpful to augment your observation

**COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK**
“Because every drop counts”

Home | Countries | States | View Data | Maps My Data | My Account | Logout

My Data Entry : Daily Precipitation Report Form

Enter My New Reports

- [Daily Precipitation](#)
- [Multi-Day Accumulation](#)
- [Hail](#)
- [Significant Weather](#)
- [Monthly Zeros](#)
- [Drought Impact Report](#)
- FROST Reports**
 - [Frost](#)
 - [Optics](#)
 - [Snowflake](#)
 - [Thunder](#)

List/Edit My Reports

Precipitation Report Form

Submit Data Reset

Station Number : BHS-NP-0

Station Name : Nassau 2.4 SW

* Denotes Required Field

2/23/2016

* **Observation Date** ?

7:00 AM

* **Observation Time** ?

0.46 in.

* **Rain and Melted Snow to the nearest hundredth inch that has fallen in the gauge during the past 24 hours, or T for trace, or NA for unknown.** ?

Observation Notes: (This will be available to the public) ?

Heavy shower at 11AM. Lots of lightning and thunder.
Some small street flooding. Sun was back out at 1PM

Submit your report

Click "Submit Data" and your observation is recorded on our site

The screenshot shows the CoCoRaHS website interface. At the top, the logo and tagline 'COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK' are displayed, along with social media icons and navigation links. The main heading is 'My Data Entry : Daily Precipitation Report Form'. On the left, there are links for 'Enter My New Reports' (Daily Precipitation, Multi-Day Accumulation, Hail, Significant Weather, Monthly Zeros, Drought Impact Report) and 'FROST Reports' (Frost, Optics, Snowflake, Thunder). The main form area is titled 'Precipitation Report Form' and includes a 'Submit Data' button circled in red. The form contains fields for Station Number (BHS-NP-0), Station Name (Nassau 2.4 SW), Observation Date (2/23/2016), Observation Time (7:00 AM), and Rain/Melted Snow (0.46 in.). An 'Observation Notes' section contains the text: 'Heavy shower at 11AM. Lots of lightning and thunder. Some small street flooding. Sun was back out at 1PM'.

CoCoRaHS COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK
"Because every drop counts"

Home | Countries | States | View Data | Maps | My Data | My Account | Logout

My Data Entry : Daily Precipitation Report Form

Precipitation Report Form **Submit Data** **Reset**

Station Number : BHS-NP-0

Station Name : Nassau 2.4 SW

* Denotes Required Field

***Observation Date** ? 2/23/2016

***Observation Time** ? 7:00 AM

***Rain and Melted Snow to the nearest hundredth inch that has fallen in the gauge during the past 24 hours, or T for trace, or NA for unknown.** ? 0.46 in.

Observation Notes: (This will be available to the public) ?
Heavy shower at 11AM. Lots of lightning and thunder. Some small street flooding. Sun was back out at 1PM

Enter My New Reports

- [Daily Precipitation](#)
- [Multi-Day Accumulation](#)
- [Hail](#)
- [Significant Weather](#)
- [Monthly Zeros](#)
- [Drought Impact Report](#)

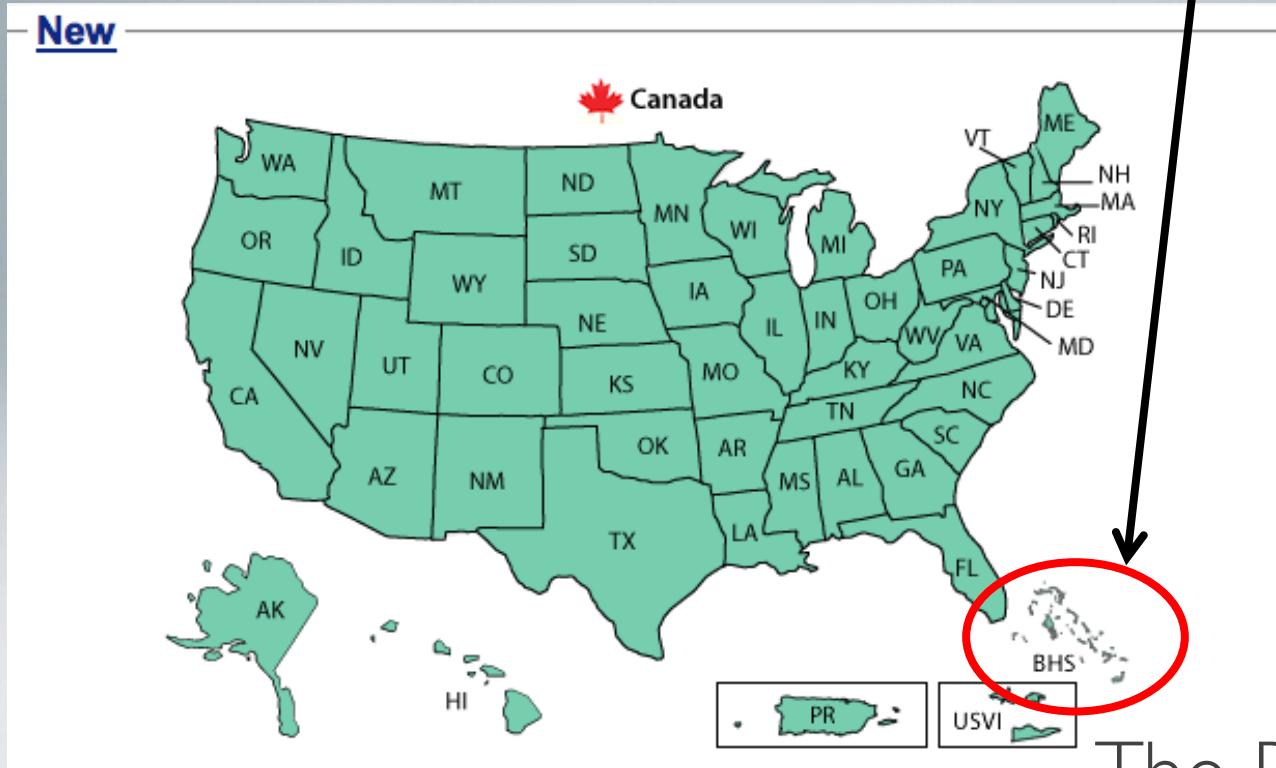
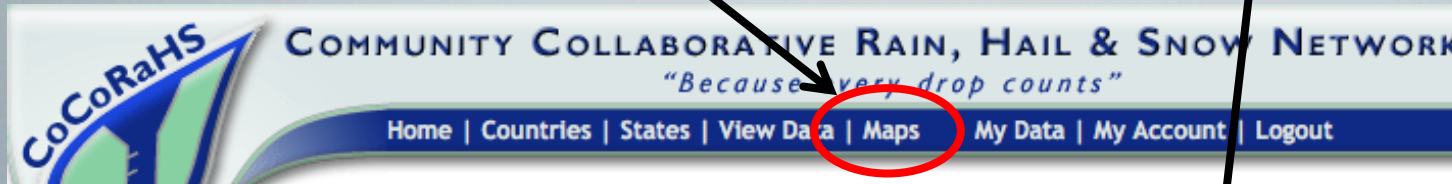
FROST Reports

- [Frost](#)
- [Optics](#)
- [Snowflake](#)
- [Thunder](#)

List/Edit My Reports

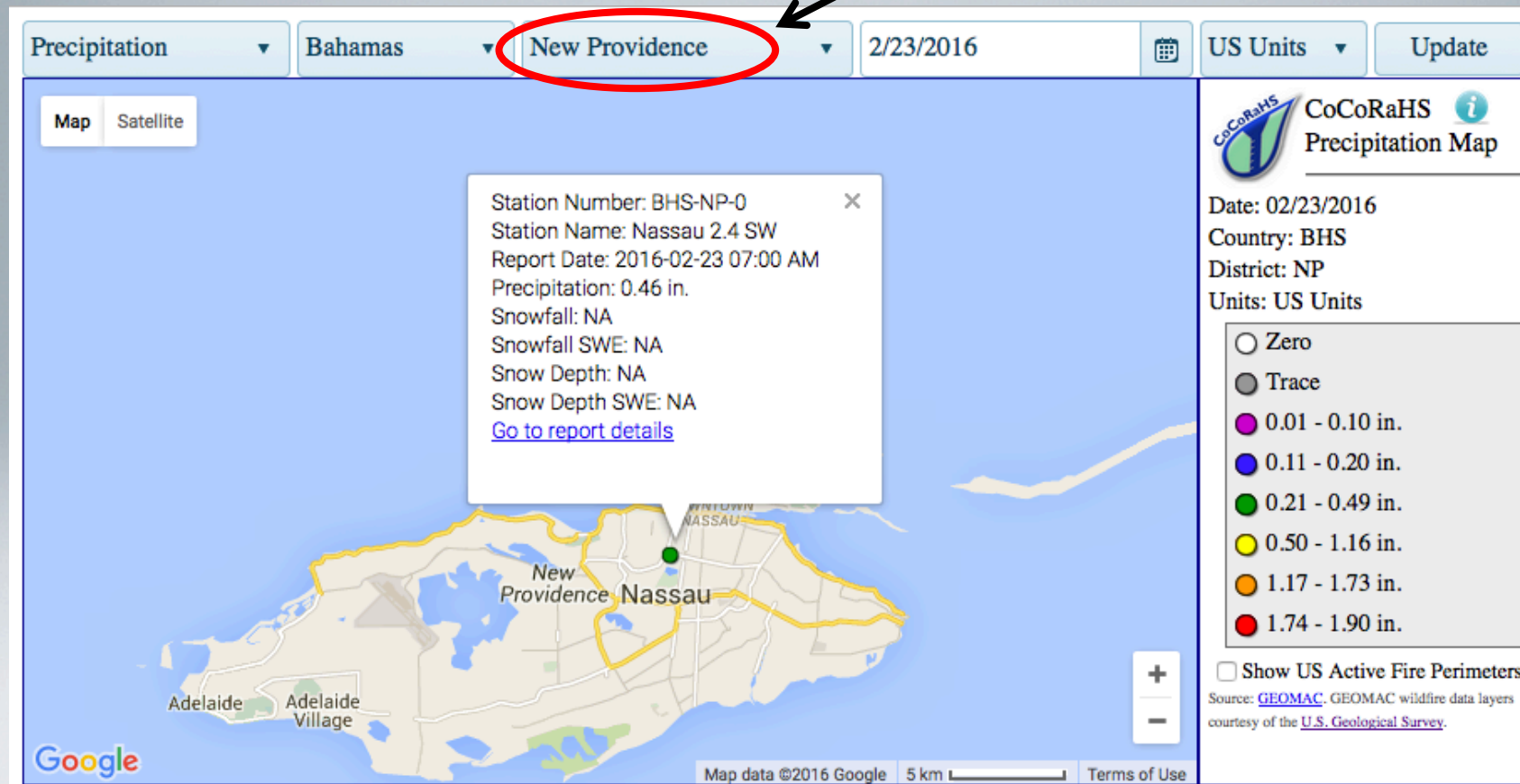
To see your Observation on our maps

Click on maps from our main page and then click on your country



The Bahamas

From here click on your island administrative district



Right click on your dot to get additional Information about the observation

You can zoom in on your island to get more detail

Observations are available (and sortable) in table form by clicking on "View Data" from the main menu.

<u>Date</u>	<u>Time</u>	<u>Station Number</u>	<u>Station Name</u>	<u>Total Precip in.</u> ▲	<u>New Snow in.</u>	<u>Total Snow in.</u>	<u>State</u>	<u>County</u>	<u>View</u>
5/2/2016	8:00 AM	BHS-CE-3	Rock Sound 0.0 N	0.63	0.0	NA	BHS	Central Eleuthera	
5/2/2016	9:00 AM	BHS-CE-4	Tarum Bay 0.1 NW	0.02	NA	NA	BHS	Central Eleuthera	
5/2/2016	7:00 AM	BHS-NP-1	Nassau 14.4 SW	0.01	NA	NA	BHS	New Providence	
5/2/2016	7:00 AM	BHS-FP-1	Freeport Lucaya 7.4 WNW	0.00	0.0	NA	BHS	City of Freeport	
5/2/2016	8:00 AM	BHS-NP-3	Nassau 12.8 WSW	0.00	0.0	NA	BHS	New Providence	
5/2/2016	8:00 AM	BHS-CE-5	North Palmetto Point 1.0 SSW	0.00	0.0	NA	BHS	Central Eleuthera	

Observations are available (and sortable) in table form by clicking on “View Data” from the main menu.

Re-entering an erroneous report

CoCoRaHS COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK
"Because every drop counts"

Home | States | View Data | Maps | My Data | My Account | Admin | Logout

My Data Entry : List My Daily Precipitation Reports US Units

Showing 1 - 50 of 2079 Records. [<Back](#) Page 1 [Next>](#)

Date ▲	Time	Station Number	Station Name	Total Precip in.	New Snow in.	Total Snow in.	State	County	Actions
5/28/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.11	NA	NA	CO	Larimer	
5/27/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.02	NA	NA	CO	Larimer	
5/26/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.10	NA	NA	CO	Larimer	
5/25/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	T	NA	NA	CO	Larimer	
5/24/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.66	NA	NA	CO	Larimer	
5/22/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.36	NA	NA	CO	Larimer	
5/18/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	T	NA	NA	CO	Larimer	
5/17/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.10	NA	NA	CO	Larimer	
5/13/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.00	NA	NA	CO	Larimer	
5/12/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.82	NA	NA	CO	Larimer	
5/11/2014	8:00 AM	CO-LR-610	Fort Collins 3.5 SW	1.20	1.0	NA	CO	Larimer	
5/9/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.17	NA	NA	CO	Larimer	
5/8/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	1.08	NA	NA	CO	Larimer	
5/7/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.03	NA	NA	CO	Larimer	
5/6/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.00	0.0	NA	CO	Larimer	
5/5/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.00	0.0	NA	CO	Larimer	
5/4/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.00	0.0	NA	CO	Larimer	
5/3/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.00	0.0	NA	CO	Larimer	
5/2/2014	7:00 AM	CO-LR-610	Fort Collins 3.5 SW	0.00	0.0	NA	CO	Larimer	

Enter My New Reports

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- [Multi-Day Accumulation](#)
- [Hail](#)
- [Significant Weather](#)
- [Monthly Zeros](#)
- [Drought Impact Report](#)
- [Evapotranspiration](#)

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List/Edit My Reports

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Click on "Daily Precipitation" under List/Edit My Reports. Click on the date and then enter the corrected data. Be sure to put a short note in the observations box.

Other Important Reports

Hail Report

Significant Weather Report (Rain and Snow)

Monthly Zeros

Multi-Day Precipitation Report

Hail Report

**CoCoRaHS**
COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK
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My Data Entry : Hail Report Form

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Hail Report Form

Submit DataReset

Station Number : CO-LR-610

Station Name : Fort Collins 3.5 SW

* Denotes Required Field

*Date of Hail Storm ?

Time Hail Storm Began ?

☒ Yes ☐ No **Report was taken at registered location?**

Size of hailstones

Smallest:

Average:

Largest:

Hail Lasted

Minutes This time is accurate within

Hailfall was: ☒ Continuous ☐ Intermittent

Hailstones were:

(Check all that apply)

☒ Hard ☐ Soft ☐ Mixed (Hard & Soft) ☐ Clear Ice ☐ White Ice

Was there more rain than hail? ☐ Yes ☐ No

Hail Started:

☒ Before rain ☐ After rain ☐ Same time as rain

Largest Hail Started

☐ Before smaller hail ☒ After smaller hail ☐ Same time as smaller hail

Monthly Zeros Report



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My Data Entry : Monthly Zeros Form

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Monthly Zeros

SubmitReset

Station Number : CO-LR-610Station Name : Fort Collins 3.5 SW

≤

May 2014

≥

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	1	2	3
				Precip: 0	☒ 0.0 Precip	☒ 0.0 Precip
4	5	6	7	8	9	10
☒ 0.0 Precip	Precip: 0	Precip: 0	Precip: 0.03	Precip: 1.08		
11	12	13	14	15		
Precip: 1.20	Precip: 0.82	Precip: 0	☐ 0.0 Precip	☐ 0.0 Precip		
18	19	20	21	22		
Precip: T	☐ 0.0 Precip	☐ 0.0 Precip	☐ 0.0 Precip	Precip: 0.36		
25	26	27	28	29		
Precip: T	Precip: 0.10	Precip: 0.02	Precip: 0.11	☐ 0.0 Precip		
1	2	3	4	5		

Monthly Zeros

SubmitReset

Station Number : CO-LR-610Station Name : Fort Collins 3.5 SW

≤

May 2014

≥

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	1	2	3
				Precip: 0	☒ 0.0 Precip	☒ 0.0 Precip
4	5	6	7	8	9	10
☒ 0.0 Precip	Precip: 0	Precip: 0	Precip: 0	Precip: 0.03	Precip: 1.08	Precip: 0.17
11	12	13	14	15	16	17
Precip: 1.20	Precip: 0.82	Precip: 0	☐ 0.0 Precip	☐ 0.0 Precip	☐ 0.0 Precip	Precip: 0.10
18	19	20	21	22	23	24
Precip: T	☐ 0.0 Precip	☐ 0.0 Precip	☐ 0.0 Precip	Precip: 0.36	☐ 0.0 Precip	Precip: 0.66
25	26	27	28	29	30	31
Precip: T	Precip: 0.10	Precip: 0.02	Precip: 0.11	☐ 0.0 Precip		
1	2	3	4	5	6	7

Click a empty box and it will automatically fill in a zero (0.00") for that day.

Don't forget to hit submit.

Significant Weather Report

(both rain and snow)



COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK

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 **Notification:**

- Use this form to report heavy rain or snow that has just fallen, or is still falling.

Significant Weather Report

[Submit Data](#) | [Reset](#)

Station Number : CO-LR-610

Station Name : Fort Collins 3.5 SW

* Denotes Required Field

 ***Observation Date**

***Observation Time**

Time duration that the report covers

 **Rain**

in.

New Rain and Melted Snow that has fallen during the report duration, in inches to the nearest hundredth

in.

Total Precipitation, rain and melted snow, since storm began, in inches to the nearest hundredth

 **Snow**

in.

Depth of New Snow that has fallen during the report duration, in inches to the nearest tenth

in.

Total depth of snow and ice on ground at the time of this observation to nearest half inch

Multi-Day Precipitation Form

If you are away on vacation or out of town this is the form for you.

Just put in the dates that you were gone and record what you found in the gauge.

There is no need to file an additional daily report.

CoCoRaHS COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK
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My Data Entry : Multi-Day Precipitation Report Form

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Multiple Day Accumulation Form [Submit Data](#) [Reset](#)

Station Number : CO-LR-610

Station Name : Fort Collins 3.5 SW

First day of accumulation period. This day should be one day after your last report.

Date the rain gauge was emptied.

Time the rain gauge was emptied.

☒ Yes ☐ No Report was taken at registered location?

in. Multi Day Precipitation (in inches), or T for trace, or NA for unknown.

in. Total Depth of Snow on Ground (in inches)

in. Core Precipitation (in inches)

Notes

Was away for a week. Looks like we had some beneficial rain while we were on vacation!

[Submit Data](#) [Reset](#)

Section Three

Frequently asked questions



Do I have to be home everyday
to participate in CoCoRaHS? What if I'm away?



Answer: *No, report when you are able. If you are gone or away on vacation, you may leave your gauge outside and report a multi-day total when you return.*

What if I don't have a good place to put my gauge?



Answer: *Few people have ideal locations. do your best. Send site photos if possible to help interpret the results.*

Although hail in the Bahamas is rare,
what if it hails when I'm not home ?



Answer: *We still would like your hail report. Report as much info as you can find out from friends and neighbors.*

Do I report morning dew that has collected in my rain gauge?



Answer: *No. Dew is not precipitation, but you may note the dew in the comments*

How long is my commitment to CoCoRaHS ?



Answer: *Ideally, at least one season, but the longer you contribute, the more valuable the data become.*

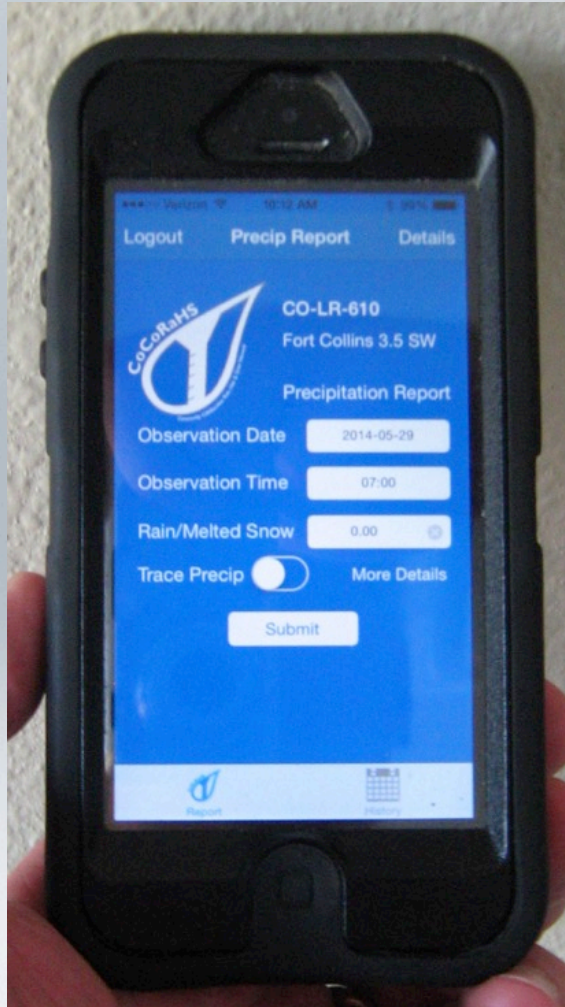
I have an automated weather station with a rain gauge.
Can I use that instead of the CoCoRaHS gauge?



Photo: Mabel Whitley

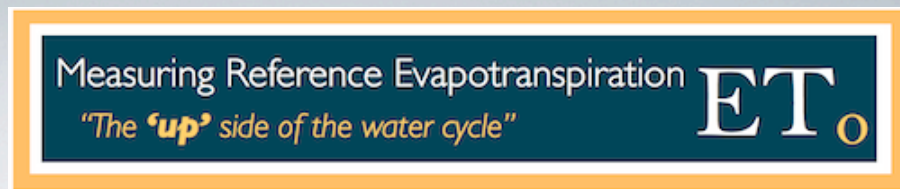
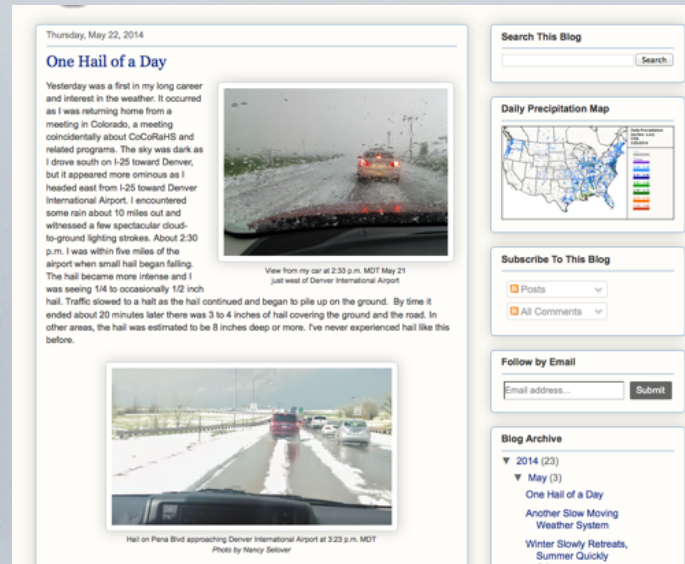
Answer: *In order to accurately compare CoCoRaHS reports, all observers must use the 4-inch CoCoRaHS gauge. Automated rain gauges tend to underestimate a heavy rainfall and do not accurately measure water content of snow. You are welcome to place the automated gauge beside the 4-inch gauge to compare measurements, but report what falls in the 4-inch gauge.*

Can I file my observations on my mobile device?



Answer: Yes, a CoCoRaHS app is available for both the iPhone and Android Phone

Where can I go for additional resources?



Answer: CoCoRaHS has a variety of resources to connect to from its homepage.

There are educational YouTube videos, the CoCoRaHS Blog, Messages of the Day, State Newsletters, Measuring Evapotranspiration and a climate guide for Master Gardeners just to name a few. You can also connect to CoCoRaHS via social media such as Facebook and Twitter.

You are now ready to measure precipitation
for the CoCoRaHS Network



Thanks for being one of our volunteer observers!