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# Measuring Snow



www.cocorahs.org

## Step 1: Observe

- ◆ **Water Equivalent of New Snow:** Melt the amount of *new* snow that fell in your gauge during the last 24 hours. Measure the amount of liquid to the nearest hundredth of an inch (such as 0.38”).
- ◆ **New Snowfall:** Measure the depth of *new* snow to the nearest tenth of an inch (such as 4.7”) on your snow board.
- ◆ **Melted new snowfall snow core (use if it is windy):**
  - ⇒ Place your gauge upside down on your snow board, firmly push down and “cut a biscuit”.
  - ⇒ Carefully turn the gauge right side up trying not to let any snow spill.
  - ⇒ Be sure to clear the snow off your snow board and place it back on the ground.
  - ⇒ Take the gauge inside and allow the snow to melt. Measure the amount of liquid to the nearest hundredth of an inch (such as 0.38”).
- ◆ **Total Snow and Ice on the Ground (Snow Depth):** Measure the depth of *total* snow to the nearest half an inch (such as 5.5”) on the ground. You may need to take several measurements and average them to get your total depth of snow.
- ◆ **Snow Water Equivalent of Total Snow and Ice on the Ground (Mondays):**
  - ⇒ Place your gauge upside down on the ground, firmly push down and “cut a biscuit”.
  - ⇒ Carefully turn the gauge right side up trying not to let any snow spill.
  - ⇒ Take the gauge inside and allow the snow to melt. Measure the amount of liquid to the nearest hundredth of an inch (such as 0.38”).

## Step 2: Report

- ◆ Log into the CoCoRaHS website (<http://www.cocorahs.org/Login.aspx>)
- ◆ Enter your data in the appropriate cells and click “Submit Data”.

Precipitation Report Form		Submit Data	Reset
Station Number :			
Station Name :			
* Denotes Required Field			
12/19/2011	* Observation Date		
7:00 AM	* Observation Time		
<input checked="" type="checkbox"/>	* Rain and Melted Snow to the nearest hundredth inch that has fallen in the gauge during the past 24 hours		
<input type="radio"/> Yes <input type="radio"/> No	Report was taken at registered location?		
Observation Notes: (This will be available to the public)			
<div style="border: 1px solid black; height: 40px;"></div>			
New Snowfall			
<input type="text"/>	Accumulation of new snow in inches to the nearest tenth		
<input type="text"/>	Melted value from core to the nearest hundredth		
Total Snow and Ice on Ground at Observation Time			
<input type="text"/>	Depth of total snow and ice (new and old) in inches to the nearest half inch		
<input type="text"/>	Melted value from core to the nearest hundredth		