

SNE CoCoRaHS Winter Reporting Quick Guide

Choose Your Winter Reporting Level: 1, 2, or 3

- You may switch levels anytime.
 - Use **NA** for anything you do not measure.
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LEVEL 1 — EASY

- **Report:**
 - New Snowfall
 - Total Snow on Ground
- Everything else = **NA**

NEW SNOWFALL (Daily)

- Use a **snowboard** (flat, white, cleared surface).
- Place in a representative, open area.
- Measure to the **nearest 0.1"**; average a few readings.
- **Drifting/blowing snow ≠ new snowfall.** Clear board and report 0.
- **If snow melts before measuring:**
 - Report the known depth; otherwise use **NA**.
- **Trace:** flakes falling or a dusting = **T**.
- **No snow:** report **0.0"**.

TOTAL SNOW ON GROUND (Daily)

- Average all snow/ice on the ground at observation time.
 - Measure to the **nearest 0.5"** in 4–6 representative spots (avoid drifts).
 - **Bare spots:**
 - <50% coverage → include 0" in your average.
 - Around 50% coverage → report **T**.
 - **No snow:** report **0.0"**.
 - Report every day (even summer).
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LEVEL 2 — INTERMEDIATE

- **Report Level 1** Plus Melted Precipitation (from gauge)
- Everything else = **NA**

MELTED PRECIPITATION (Daily)

- Melt all snow/ice in the outer cylinder and measure.
 - If using **warm water**, subtract the added amount.
 - **Freezing rain**: melted amount is your precipitation; new snowfall = **0**.
 - **Snow melts on contact**:
 - New Snow = **T**
 - Snow Depth = **0.0"**
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LEVEL 3 — MOST INVOLVED

Report Levels 1 and 2 Plus:

- SWE of New Snow
- Snowpack SWE (weekly)

SNOW WATER EQUIVALENT (SWE) — NEW SNOW (Daily)

- Take a **core** from the snowboard using the outer cylinder.
- Melt and measure the liquid.
- Report as **Snowfall SWE**.
- Do **NOT** report SWE from melting snow inside the gauge—leave that field **NA**.

SNOWPACK SWE — TOTAL SNOW ON GROUND (Weekly / After Fresh Snow)

- At least weekly (preferably Monday), or after new snow, take a core of the **entire snowpack**.
- Melt and report as **Snowpack SWE**.
- Note **ice layers** (top/middle/bottom) in remarks.
- Grass in the core = you've reached the ground.