



Winter 2024-2025 Southern New England CoCoRaHS News

Welcome to meteorological winter which includes the months of December, January, and February! Our quarterly Winter Newsletter features the return of the “Grand List”, Winter Observing Tips, Reporting Zeros, and Other Types of Reports.

Please don't hesitate to contact me by email (jdellica@gmail.com) if you have any questions about reporting. -Joe Dellicarpini, SNE CoCoRaHS Coordinator

Welcome!

Several observers joined our network recently. Welcome to Southern New England CoCoRaHS! We're glad to have you aboard. Whether you report daily or once in a while, that's OK. Report as often as you like. Here are the new observers who joined over the fall:

Connecticut:

- CT-NL-77, Pawcatuck 0.8 ESE

Massachusetts

- MA-ES-104, Danvers 1.1 E
- MA-FR-53, Turners Falls 0.5 SSE
- MA-HS-62, Southampton 0.6 NE
- MA-MD-245, Dracut 1.9 E
- MA-WR-139, Leominster 0.5 SW

Rhode Island

- RI-PR-152, North Providence 2.4 SSW
- RI-WS-114, Kingston 6.9 N

We also want to recognize one of our original observers who was inadvertently left off the list from the fall newsletter. Paul has been with us from the start in 2009 with his original station MA-WR-1 in Milford, followed by station MA-WR-7 in Milford, and now station MA-PL-63 in Wareham.

Return of the “Grand List”

It’s been awhile since we’ve recognized your reporting milestones! Here are the latest Daily Observation tallies as of December 1, 2024. We now have a number of stations with more than 5,000 Daily Reports and many more with 1,000. Thank you for your efforts in reporting. Keep up the great work!

Remember, you can check out the [CoCoRaHS Data Explorer](#) to view your past reports and see how your totals compare to various normals. Just change the ID in the link to match your station.

5,000+ Daily Reports

CT-FR-9	Brookfield 3.3 SSE
CT-TL-2	Staffordville 0.4 NNW
CT-HR-6	Wethersfield 1.2 WSW
CT-WN-4	East Killingly 1.3 SW
CT-HR-5	Enfield 1.5 SE
CT-HR-8	North Granby 1.3 ENE
MA-NF-1	Norwood 1.3 NW
MA-BR-3	Norton 1.8 NNE
MA-BA-3	Falmouth 3.0 E
MA-BR-8	Dighton 1.1 WSW
MA-ES-4	Groveland 0.5 WSW
MA-PL-5	Kingston 3.3 WNW
MA-BA-1	Yarmouth 2.3 SSE
MA-BR-2	Rehoboth 2.1 N
MA-MD-7	Winchester 0.7 SE
MA-MD-12	Acton 1.3 SW
RI-NW-4	Middletown 1.1 SW
RI-KN-2	East Greenwich 2.3 ESE
RI-NW-5	Little Compton 1.7 NW

4,000+ Daily Reports

CT-NL-5	Oakdale 2.6 WNW
CT-NH-14	Prospect 1.9 ENE
CT-LT-9	New Hartford Center 3.2 SW
CT-HR-15	Southington 3.0 E
MA-BA-18	Waquoit 0.6 SSW
MA-MD-11	Cambridge 0.9 NNW
MA-ES-12	Boxford 2.4 S
MA-BA-13	Falmouth 0.6 NNW
MA-BA-17	East Falmouth 1.2 WNW
MA-BA-12	Orleans 1.1 E
MA-BA-19	East Falmouth 0.7 NW
MA-BA-2	Falmouth 3.1 NNW
MA-BA-11	East Falmouth 1.4 ESE
MA-HS-2	Westhampton 1.8 SW
MA-WR-118	Sturbridge 4.6 SW
MA-BA-22	Yarmouth 0.9 NNW
MA-BR-14	Dartmouth 2.5 SSW
MA-BA-27	Wellfleet 0.7 NW
MA-BA-10	East Sandwich 2.3 SE
MA-DK-2	Vineyard Haven 0.8 WSW
MA-WR-8	Fitchburg 1.6 SSW
MA-FR-10	Conway 0.9 SW
MA-BR-16	Somerset 0.4 SSE
RI-NW-7	Little Compton 0.6 E

3,000+ Daily Reports

CT-FR-23	Shelton 1.3 W
CT-HR-22	East Hartford 1.3 E
CT-WN-8	Moosup 1.7 NE
CT-FR-25	Norwalk 2.9 NNW
CT-FR-3	New Canaan 1.9 ENE
CT-NH-22	Prospect 0.5 SW
CT-HR-28	North Canton 0.8 SSW
CT-NL-22	Central Waterford 2.7 SSW
CT-NL-21	Griswold 0.9 N
CT-NL-6	New London 1.0 NNW

CT-TL-15	Central Somers 0.3 N
CT-TL-18	Hebron 5.3 NW
CT-FR-41	Bethel 3.5 NNE
CT-NL-10	Norwich 2.5 NNE
MA-BE-4	Becket 5.6 SSW
MA-NF-11	Millis 2.0 SW
MA-PL-2	Sagamore Beach 1.0 NW
MA-WR-28	Berlin 1.3 WSW
MA-MD-25	Ayer 0.1 SW
MA-BE-11	Great Barrington 3.0 N
MA-MD-44	Medford 1.2 W
MA-MD-42	Holliston 0.8 S
MA-HD-13	Springfield 4.1 W
MA-HS-8	Williamsburg 1.2 WSW
MA-PL-15	Abington 1.2 NNE
MA-MD-47	West Townsend 0.5 W
MA-SF-10	Chelsea 0.8 N
MA-MD-51	Maynard 0.7 ESE
MA-BA-7	Wellfleet 3.0 E
MA-ES-20	Haverhill 0.7 N
MA-MD-52	Lexington 0.6 SW
MA-BA-47	Mashpee 2.4 WSW
MA-FR-12	Sunderland 1.3 SE
MA-HS-7	Plainfield 2.2 SW
MA-BR-9	Taunton 2.6 NW
MA-FR-8	New Salem 3.1 S
MA-BA-14	North Falmouth 0.5 ENE
MA-BA-45	Sandwich 0.9 NNE
MA-ES-3	Haverhill 3.6 WNW
MA-ES-1	Salisbury 3.7 NW
MA-FR-17	Buckland 1.8 ESE
MA-WR-43	Leicester 2.4 ESE
MA-FR-13	Conway 2.9 NW
MA-WR-30	Shrewsbury 1.6 NNE
MA-BA-51	Orleans 3.0 S
MA-MD-36	Townsend 2.6 S
MA-WR-41	Auburn 2.6 SW
MA-NF-5	Weymouth 0.5 NW
MA-WR-44	Westminster 0.6 WSW

MA-MD-53 Acton 4.0 ENE
MA-BR-30 Taunton 3.9 N
RI-PR-33 Greenville 0.7 NNW

2,000+ Daily Reports

CT-HR-23 Southington 0.9 SSE
CT-FR-43 Bethel 0.5 E
CT-NL-24 Stonington 1.4 NNW
CT-FR-46 Stratford 0.2 ESE
CT-NL-19 Mystic 0.9 W
CT-FR-32 Monroe 0.8 W
CT-LT-20 Warren 2.4 WNW
CT-NL-18 Stonington 0.5 NNE
CT-NH-44 Wallingford Center 1.9 WNW
CT-NH-43 Wallingford Center 3.3 NNW
CT-LT-18 New Hartford Center 1.5 N
CT-WN-12 Eastford 2.0 W
CT-WN-10 South Windham 1.3 NNE
CT-NH-42 Wallingford Center 1.1 N
CT-NL-29 East Lyme 0.5 SW
CT-NH-45 Naugatuck 1.7 NNE
CT-MD-21 Killingworth 2.6 ESE
CT-HR-68 Rocky Hill 1.3 E
CT-HR-65 Newington 1.9 SSW
CT-MD-23 Higganum 0.7 N
CT-NL-38 Old Lyme 3.4 ESE
CT-LT-22 New Milford 5.3 SSW
CT-HR-57 Suffield Depot 3.3 NNE
CT-MD-18 Essex Village 0.9 S
CT-NL-32 Niantic 1.1 SW
CT-TL-27 Willington 2.7 SE
CT-TL-26 Broad Brook 2.6 ESE
CT-NL-40 Pawcatuck 1.8 SSE
CT-FR-26 Stratford 0.9 W
CT-MD-25 Middlefield 0.6 SE
CT-LT-28 Canaan 4.2 ESE
CT-FR-59 New Canaan 3.8 N
CT-MD-26 Higganum 0.8 NE

CT-HR-55	Southington 1.7 WNW
CT-FR-57	Trumbull 0.9 W
CT-NL-37	Mystic 1.6 W
CT-FR-60	Fairfield 1.5 NE
CT-FR-29	Ridgefield 1.9 SSE
CT-HR-82	Suffield 0.5 NNE
CT-HR-39	Farmington 1.6 SW
CT-TL-30	Mansfield Center 2.7 NE
CT-HR-70	Canton 1.5 W
CT-HR-83	Plainville 1.7 SW
MA-BA-50	Falmouth 5.4 NNE
MA-BA-52	Truro 0.8 E
MA-WR-40	Gardner 1.4 SSW
MA-PL-23	Pembroke 2.8 SW
MA-NF-19	Foxborough 1.8 SSW
MA-ES-24	Newburyport 0.8 SW
MA-WR-54	Barre 1.4 NNE
MA-MD-85	Wilmington 2.2 WNW
MA-PL-31	Bridgewater 1.8 SE
MA-ES-41	Danvers 0.8 ESE
MA-WR-56	Sterling 4.3 NW
MA-BA-59	Barnstable 3.6 W
MA-PL-17	Plympton 0.9 NNE
MA-BR-23	Attleboro 0.9 ENE
MA-MD-62	Chelmsford 1.2 E
MA-NF-26	Bellingham 2.4 S
MA-MD-89	Sudbury 3.6 W
MA-WR-22	Fitchburg 2.0 NNE
MA-BA-42	Orleans 1.8 S
MA-BA-43	Chatham 0.4 WSW
MA-PL-36	Hingham 0.8 ESE
MA-HS-12	Northampton 0.4 S
MA-NF-32	Quincy 1.8 WSW
MA-BA-57	Falmouth 5.7 N
MA-NF-31	Stoughton 1.2 E
MA-MD-105	Littleton 0.9 WSW
MA-PL-22	East Bridgewater 0.3 WSW
MA-PL-6	Middleborough 5.5 E
MA-MD-18	Belmont 0.2 ESE

MA-HS-14 Plainfield 2.4 ESE
MA-BA-36 Harwich 2.6 ENE
MA-BR-52 New Bedford 4.3 N
MA-MD-119 Watertown 1.1 W
MA-WR-42 Northborough 2.3 N
MA-ES-48 Andover 0.6 E
MA-BE-10 Pittsfield 2.0 NNW
MA-MD-104 Littleton 2.8 NNW
MA-WR-13 Leominster 1.5 S
MA-BR-55 NWS Boston/Norton 2.5 ESE
MA-MD-115 Hudson 1.4 NW
MA-HD-20 Wilbraham 3.7 SSW
MA-WR-25 Holden 2.0 ESE
MA-BR-37 Westport 0.9 ESE
MA-WR-18 Northborough 0.6 SSE
MA-HS-26 Easthampton 0.5 SW
MA-WR-55 Harvard 2.1 S
MA-BA-72 Yarmouth 2.0 S
MA-MD-45 Wilmington 1.5 NE
MA-MD-125 Tewksbury 3.6 SSE
MA-MD-126 Melrose 0.5 NE
MA-MD-107 Framingham 1.7 E
MA-BA-78 Mashpee 4.6 S
MA-BE-2 Great Barrington 0.4 N
MA-BA-77 South Dennis 1.0 NW
MA-MD-55 Holliston 0.7 W
MA-BA-76 Barnstable 0.7 NE
MA-WR-58 Lunenburg 0.6 NE
MA-MD-120 Natick 1.9 NNE
MA-NF-3 Franklin 0.7 NE
MA-MD-80 Lincoln 1.5 SW
MA-WR-69 Northbridge 1.7 WNW
MA-MD-123 Lexington 1.3 SE
MA-PL-48 Marshfield 1.5 NNW
MA-BA-65 Chatham 0.2 SSE
MA-SF-2 Winthrop 0.2 N
MA-BR-58 Dighton 3.3 NNW
MA-ES-58 Middleton 1.4 SSW
MA-ES-45 Nahant 0.4 N

MA-BA-64 Sandwich 1.5 SSE
MA-NT-1 Nantucket 3.8 WNW
MA-HD-26 Brimfield 3.6 NW
MA-FR-31 Colrain 3.7 WNW
MA-ES-56 Newburyport 1.0 ESE
MA-BA-33 Brewster 1.5 ESE
MA-ES-25 Gloucester 4.3 N
MA-BA-80 Brewster 1.4 W
MA-WR-75 Warren 2.4 WSW
MA-HD-28 Westfield 2.8 SE
RI-PR-28 North Smithfield 0.7 SE
RI-PR-51 North Smithfield 0.6 S
RI-WS-36 Charlestown 3.0 WSW
RI-WS-31 Kingston 7.5 NNE
RI-PR-50 Harrisville 1.2 SSE
RI-NW-16 Portsmouth 1.3 S
RI-WS-37 Kingston 2.4 SW
RI-BR-5 Barrington 1.3 WNW
RI-WS-42 Richmond 4.6 NNE
RI-NW-20 Tiverton 1.0 SSW
RI-PR-55 Cumberland Hill 3.6 NNE
RI-NW-18 Jamestown 0.3 SSE
RI-WS-47 Westerly 0.8 WNW
RI-PR-44 Cranston 4.2 ENE
RI-PR-57 Cranston 1.2 SSE
RI-PR-59 Cumberland Hill 0.9 NW
RI-KN-21 Coventry 1.9 NE
RI-NW-17 Tiverton 4.4 SSE
RI-WS-30 Westerly 2.4 NNW
RI-WS-45 Charlestown 4.7 NNE

1,000+ Daily Reports

CT-MD-24 Durham 1.2 W
CT-HR-49 West Hartford 1.1 W
CT-LT-7 Litchfield 2.3 NNE
CT-NL-44 Old Lyme 0.5 W
CT-FR-58 Ridgefield 3.6 N
CT-LT-34 Woodbury Center 1.5 SSW

CT-NH-56 Guilford Center 2.7 WSW
CT-HR-100 Manchester 0.4 ENE
CT-LT-37 New Milford 3.1 WNW
CT-FR-70 Bridgeport 2.9 NNW
CT-TL-35 Somersville 0.2 ENE
CT-HR-52 Central Manchester 0.8 N
CT-NL-46 Mystic 3.4 NW
CT-NL-8 Uncasville-Oxoboxo Valley 1.6 ENE
CT-TL-40 Coventry 0.3 NNE
CT-TL-41 Somers 0.3 S
CT-NH-67 Waterbury 1.3 WNW
CT-NH-75 Meriden 2.8 WSW
CT-HR-88 Suffield Depot 6.0 WNW
CT-HR-63 West Hartford 1.1 NNE
CT-LT-43 Winsted 3.8 ESE
CT-NL-50 Norwich 5.4 SE
CT-FR-83 Darien 2.4 NW
CT-FR-63 Wilton 1.9 NW
CT-FR-64 Bethel 4.5 SSE
CT-FR-66 Norwalk 1.4 ENE
CT-LT-5 Winsted 2.6 NNW
CT-NH-72 Northford 0.8 SW
CT-FR-65 Newtown 4.6 SE
CT-NL-52 Pawcatuck 0.8 SE
CT-TL-49 Somers 1.2 NE
CT-HR-102 Windsor Locks 3.2 SW
CT-NL-63 Old Lyme 1.7 NNE
CT-NL-56 Norwich 5.2 SE
CT-NL-57 Jewett City 3.0 ESE
CT-WN-26 Danielson 3.2 ESE
CT-NL-60 Waterford 1.1 E
CT-NH-77 Southbury 2.3 W
CT-TL-50 Vernon 1.6 N
CT-HR-31 Bristol 2.7 WNW
CT-HR-106 Southwood Acres 0.3 WSW
CT-NL-45 Groton 2.9 E
CT-NL-62 Salem 3.6 SE
CT-MD-30 Chester Center 2.7 WNW
CT-NL-70 Colchester 0.6 ENE

CT-FR-5 Darien 3.6 N
CT-HR-35 Weatogue 0.7 E
CT-WN-25 Sterling 2.6 N
CT-LT-46 Watertown 3.4 N
MA-ES-19 West Newbury 1.8 SSE
MA-HS-21 Northampton 0.6 ESE
MA-BA-79 Mashpee 0.8 SSW
MA-BR-61 Mansfield 2.4 ENE
MA-DK-9 West Tisbury 0.4 S
MA-FR-21 Millers Falls 0.2 SW
MA-ES-22 Rockport 1.0 E
MA-MD-158 Sherborn 1.1 NW
MA-HD-29 West Springfield 1.6 SSW
MA-BE-21 Cheshire 0.5 NNW
MA-BA-69 Eastham 0.9 SW
MA-NF-54 Quincy 1.2 W
MA-NF-50 Millis 1.4 ENE
MA-ES-61 Amesbury 2.6 WSW
MA-HD-30 Hampden 2.0 NW
MA-WR-81 Worcester 1.6 SE
MA-MD-160 Reading 1.2 N
MA-ES-66 North Andover 0.3 NW
MA-ES-55 Groveland 0.8 S
MA-MD-134 Somerville 0.5 SSE
MA-BE-20 Lee 3.7 SE
MA-BA-60 Hyannis 0.7 WNW
MA-MD-4 Townsend 3.2 NW
MA-HD-33 Agawam 1.1 SSW
MA-WR-88 Leicester 2.5 WSW
MA-NF-62 Franklin 1.4 SW
MA-PL-57 Hanson 1.8 N
MA-NF-39 Weymouth 2.3 N
MA-BA-83 Mashpee 2.5 W
MA-DK-21 Chilmark 0.9 E
MA-DK-18 Oak Bluffs 0.1 SW
MA-ES-71 Danvers 2.5 NNE
MA-MD-71 Newton 2.2 NNW
MA-MD-178 Framingham 2.0 NNE
MA-FR-36 Montague 3.4 NNW

MA-FR-35 Bernardston 1.0 SW
MA-WR-90 Upton 0.4 NE
MA-BE-24 Hancock 3.6 NNE
MA-FR-22 Ashfield 1.4 NE
MA-PL-60 Abington 1.7 ESE
MA-BA-87 Falmouth 1.5 NNW
MA-HS-45 Westhampton 0.4 WNW
MA-ES-64 Newburyport 0.4 NNW
MA-HS-48 Easthampton 1.0 E
MA-NF-63 Norfolk 1.1 W
MA-MD-192 Ayer 0.4 SSE
MA-MD-175 Arlington 0.4 WNW
MA-DK-22 Edgartown 1.3 WNW
MA-ES-77 Groveland 1.2 NE
MA-WR-100 Douglas 1.9 NNE
MA-WR-89 Holden 0.9 SSE
MA-NF-73 Foxborough 3.1 E
MA-MD-168 Pepperell 0.6 SE
MA-PL-55 Carver 2.3 E
MA-PL-61 Middleborough 3.5 SSE
MA-WR-98 Worcester 2.2 NW
MA-NT-9 Nantucket 5.9 ESE
MA-HD-22 Holyoke 1.0 ENE
MA-HD-36 West Springfield 0.3 E
MA-BR-72 Somerset 2.3 NNE
MA-FR-38 Shutesbury 2.9 SW
MA-MD-186 Watertown 1.1 NW
MA-NF-68 Quincy 1.5 SSE
MA-FR-46 Conway 1.2 E
MA-PL-63 Wareham 5.6 NE
MA-NF-65 Milton 1.3 N
MA-FR-41 Conway 3.4 WSW
MA-ES-54 Gloucester 2.1 NW
MA-SF-31 Boston 6.5 SW
MA-ES-84 Beverly 0.5 SW
MA-BA-92 Mashpee 3.2 WSW
MA-ES-76 Nahant 0.7 N
MA-MD-189 Pepperell 2.2 SSW
MA-WR-106 Athol 2.8 NNE

MA-WR-63 Rutland 3.1 SW
MA-NF-67 Bellingham 3.6 SSW
MA-BA-46 East Falmouth 0.2 ESE
MA-HS-47 Granby 0.5 WSW
RI-WS-54 North Kingstown 2.7 WSW
RI-PR-67 Providence 1.6 NE
RI-KN-23 Warwick 3.2 NNE
RI-KN-15 Warwick 4.3 SSW
RI-WS-55 Wakefield 0.8 ENE
RI-WS-52 Wakefield-Peacedale 3.1 NE
RI-WS-51 Richmond 2.4 SSE
RI-NW-28 Portsmouth 3.7 NNE
RI-PR-89 Woonsocket 1.8 WNW
RI-NW-27 Newport 1.3 SW
RI-PR-82 Providence 1.6 NNW
RI-KN-14 Greene 1.4 E
RI-BR-11 Bristol 2.0 NNW
RI-PR-84 Providence 2.7 NNE
RI-WS-58 Kingston 0.3 SW
RI-KN-31 Warwick 0.8 ENE
RI-WS-40 Exeter 1.0 NE
RI-WS-65 Wakefield-Peacedale 0.9 W
RI-KN-30 East Greenwich 2.0 NE
RI-NW-23 Tiverton 3.6 S
RI-WS-14 Kingston 5.5 W
RI-NW-32 Portsmouth 5.2 SSE
RI-KN-36 Coventry 2.5 NW
RI-WS-69 Exeter 3.9 S
RI-KN-38 Warwick 3.9 NNE
RI-PR-104 Providence 2.1 NE
RI-WS-81 Wakefield-Peacedale 0.4 SW
RI-WS-66 Narragansett 2.9 N
RI-PR-108 East Providence 0.8 SSW
RI-PR-106 Valley Falls 1.1 W
RI-PR-112 Cranston 1.7 NNE
RI-NW-30 Jamestown 0.7 NNE
RI-WS-80 South Kingstown 4.3 WSW
RI-PR-77 Riverside 0.8 SE
RI-WS-70 Wakefield-Peacedale 1.7 NNE

RI-KN-37	Warwick 2.3 NNE
RI-KN-51	Coventry 3.7 W
RI-PR-119	Pawtucket 2.6 SSE
RI-KN-45	East Greenwich 2.8 NE
RI-WS-83	Wakefield-Peacedale 0.4 NNW
RI-NW-31	Newport 1.0 NE
RI-WS-71	Wakefield-Peacedale 5.0 SW
RI-KN-59	Coventry 1.2 SW
RI-PR-121	Greenville 6.7 WSW
RI-PR-81	Foster 4.8 SSE
RI-WS-77	Kingston 0.7 WSW

Mistakes Happen!

Did you know CoCoRaHS reviews all observations that are submitted and checks them for errors? A lot of times, mistakes happen when an observer makes a decimal error (1.00" instead of 0.10"), tries to backfill a missing observation with 0.00" when there was actually precipitation on that day, or enters snowfall as precipitation. If you make a mistake, don't worry! I get notified via a ticketing system and can often make the correction, but in some cases I might reach out for more information. If I do, please don't take it personally - we're just trying to keep your station records as accurate as possible.

Winter Observing and Reporting Tips

Now that we're into the start of winter, here are some observing and reporting tips:

When Temperatures Are Expected to be Near Freezing (33-36F) or Colder:

- Remove the funnel from the top of the gauge and the inner cylinder and keep them indoors.

When Snow Falls:

- Measure the newly fallen snow with a ruler on a snow board or other flat surface.
- If you want to report snow depth, take several measurements and average them together.
- To measure the liquid content of new snow, allow snow to fall into the larger outer cylinder.
 - Bring the cylinder indoors to melt the snow. You can let it melt on its own or add a measured amount of warm water (using the inner cylinder) to melt it more quickly.

- Carefully pour the melted snow into the inner cylinder to measure the precipitation amount. If you added warm water to help it melt, remember to subtract that from the total.
- If there were just flurries (no accumulation), report a **Trace (T)** of precipitation and snowfall
- See the graphic below which shows you what information gets reported on the report form

What About Sleet (Ice Pellets)?

- Report sleet like you would for snow (above)

What About Freezing Rain?

- If the larger outer cylinder is frozen to the bracket, DO NOT force it! The bracket can easily break (trust me, this has happened to me!)
- Use a warm wet cloth to help “defrost” the gauge from the bracket and gently remove it, or wait until the ice on the bracket melts.
- Melt the ice that is inside the gauge by bringing it indoors and letting it melt, or by adding a measured amount of warm water (like you would to melt snow).
- Report the total as precipitation, like you would for rain.

Observing Summary:

- ◆ **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”).

Reporting Summary:

Accuracy matters!

Mistakes happen with reporting, not with measuring.

Water Equivalent of New Snow:

Also rainfall or freezing rain

Comments help!

New Snowfall:

Melted new snowfall snow core

Total Snow and Ice on the Ground (Snow Depth)

Snow Water Equivalent of Total Snow and Ice on the Ground (Mondays):

24-Hour Precipitation Report Form

Submit Reset

Station Number : MA-NF-1

Station Name : Norwood 1.3 NW

* Denotes Required Field

12/2/2024 * Observation Date ? For observations spanning more than 24 hours

7:00 AM * Observation Time ? Enter Multi-Day Accumulation

* Gauge Catch: 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) ?

24-hr Snowfall

in. Snowfall: Accumulation of new snow in inches to the nearest tenth ?

in. Snowfall SWE: Melted value from core to the nearest hundredth ?

Snowpack (Total Snow and Ice on Ground at Observation Time)

in. Snowpack Depth: Total snow and ice (new and old) in inches to the nearest half inch ?

in. Snowpack SWE: Melted value from core to the nearest hundredth ?

Remember, winter weather reporting is the most difficult part of reporting! If you make a mistake, that's OK. Just do the best you can. Feel free to reach out to me (jdellica@gmail.com) if you have questions. You can also refer to the [CoCoRaHS Winter Precipitation Measurements Guide](#) for more detailed information. Also remember to add Comments if you can.

Lastly, always be safe! If it's too cold, too icy, or simply too dangerous to go to your gauge, **wait until it's safe to do so**. Some observers "take the winter off" from reporting and that's perfectly fine too. We will keep your station "open" until you are ready to report again.

Be a Hero and Report Your Zeros!

Did you know that reporting zeros is just as important as reporting precipitation when it rains or snows? Our area became especially dry this past fall with an unusual number of brush fires in October and November. Drought declarations were made by all three states. Having reports of 0.00" helped define the emerging drought and helped us at NWS Boston provide more accurate information to state drought management officials.

Condition Monitoring Reports

Speaking of dry conditions, are you familiar with [Condition Monitoring Reports](#)? This is a great way to let others know about ongoing conditions in your area, whether it's wet, dry, or something in between. The information is used by water resource officials and others, including the authors of the weekly [Drought Monitor](#). Give it a try!

Significant Weather Reports

Another useful report, especially to us at NWS Boston and other NWS offices, is the Significant Weather Report (SWR). These can be submitted anytime and automatically alert at NWS forecaster workstations, so we see your reports immediately. They are very helpful whether it's during flooding, severe weather, or winter weather.

Here's an easy way to remember when to send a SWR - the "1-2-3 Rule):

- 1" of rain or snow or more per hour
- Total of 2" or more of rain
- Total of 3" or more of snow
- Anything else you feel is important (storm damage, for example)

At NWS Boston (and other NWS offices), we automatically import your daily observations for use in our Storm Report listings, but you are welcome to submit your snow, ice, or rainfall totals through the SWR.

mPing

Did you know you can report current weather conditions using the [mPing app](#)? You can download it for free on Apple and Android devices. Give it a try! We are able to monitor mPing reports in real time at NWS offices. These reports are especially useful to let us know what is happening "on the ground" when looking at radar data. It is also very helpful when the rain/snow line comes into play! Your reports are also used by the NOAA National Severe Storms Laboratory in a variety of ways, including to develop new radar and forecasting technologies and techniques.

That's all for now. Have a Happy Holiday season! Look for the next newsletter around the start of spring!