The 2022/2023 snow season across the US

NWS Climate Services Seminar

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snowcover.org
Why is snow so important to understand?

- It is a water reservoir
- It can influence weather and climate
- It can be dangerous
- It is important for wildlife
- It is fun to play in!
Did it snow because it is cold or is it cold because it snowed?
Did it snow because it is cold or is it cold because it snowed?

YES
Seasonal Snowfall Accumulation: October 1, 2022 – June 30, 2023
Winter Temperature: December 2022 – February 2023
November & December Lake-effect Snow Blitzes

72 hours ending 12 Z Nov 19

72 hours ending 12 Z Dec 25
Typical 2022/23 Storm “Trek”: 11 December (12Z) to 19 December (12Z) 2022
A Rare Southern(ish) 2022/23 Track:
72-hour snowfall as of 12Z on 26 January
Fast Mover: 24-hour snow precipitation ending 6Z on 23 February
Bookends: Snowfall for the 72 hours ending 12Z on 16 March

Season’s biggest hit in the Northeast
Snow Cover
Keeping an eye on seasonal snow cover extent

https://globalcryospherewatch.org/state_of_cryo/snow/
Nationwide Seasonal Maxes
....or close...

Snow depth: 26 January
60% lower 48 coverage

Snow water equivalent: 24 February
26 January IMS snow coverage and Rutgers departures
Temperature: February 2023

Statewide Average Temperature Anomaly

Contiguous U.S. (Hover over a State)
Temp: 35.4°F  Rank: 28th Warmest  Anomaly: 2.6°F  Mean: 33.8°F

Statewide Average Temperature Rank (129 years)

Contiguous U.S. (Hover over a State)
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North America Snow Cover Extent and Departure: May 2023

Extent

Departure

Percent cover

Percent of normal
Temperature Departure from Average: May 2023

Coincidence?

Data source: NOAAGlobalTemp v5.1.0-20230608
Canadian wildfire situation: 9 June 2023

Paterson, NJ: 7 June 2023 (early afternoon)
Thanks
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