



# **Erie, PA Region**

## Lake Effect Snow

# Lake Effect Snow – Erie Region

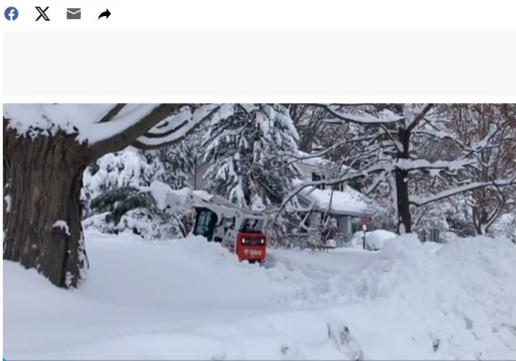
Beginning November 29, 2024

Just after Thanksgiving, on Friday, November 29, 2024, a winter storm moved across the US. As the system crossed the Great Lakes, it dumped dozens of inches of snow from Michigan and Ohio to western New York and the Erie region of Pennsylvania. Erie, PA set an all-time record with 22.6 inches of snow on Friday, and up to 42.5 inches by Sunday night. The event caused white out conditions and shut down major transportation corridors, such as I-90, on one of the busiest travel days of the year.

## Residents left dazed and homebound as lake-effect storm punishes Erie County with snow

Some areas of Erie County were on pace to record nearly 5 feet of snow since the lake-effect storm gripped the region the day after Thanksgiving.

Ed Palattella and Nicholas Sorensen | Erie Times-News  
Published 2:36 p.m. ET Dec. 2, 2024

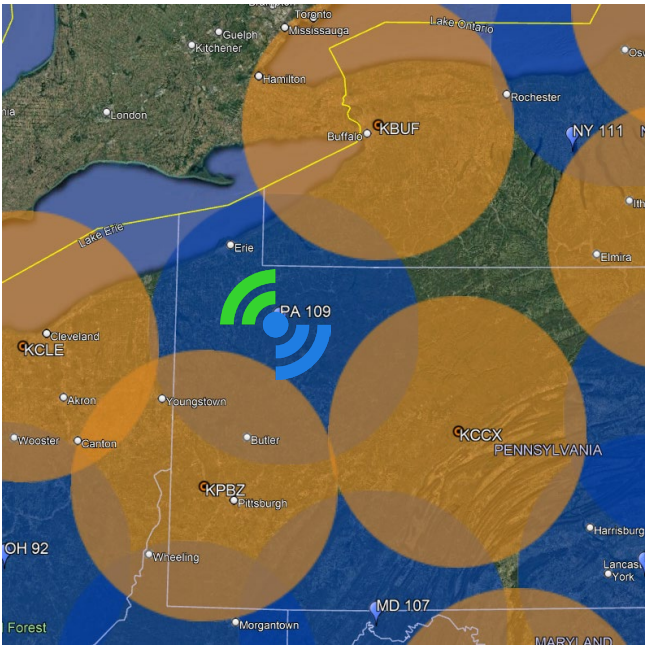
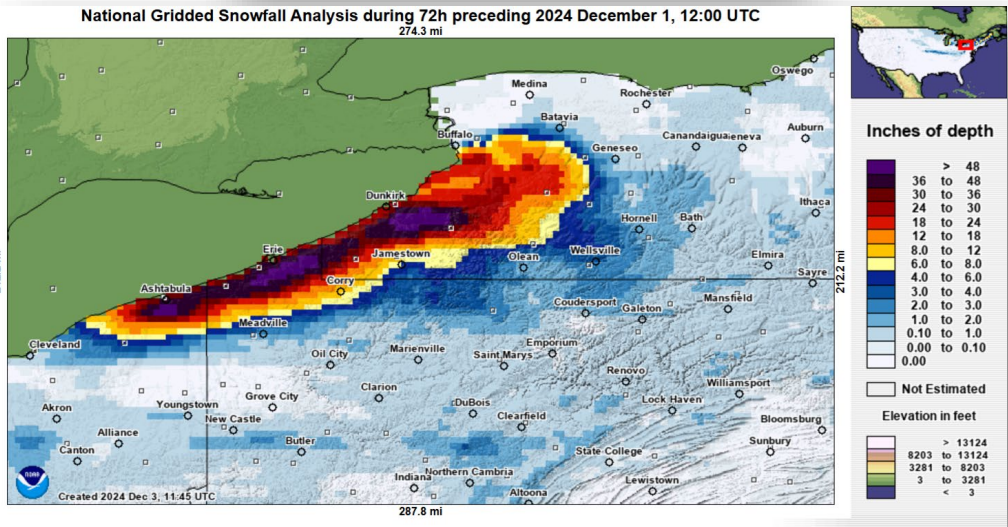


## Erie County Executive Davis, PennDOT urge residents to stay home amid lake-effect snowstorm

A.J. Rao | Erie Times-News  
Published 2:18 p.m. ET Dec. 1, 2024 | Updated 5:49 p.m. ET Dec. 1, 2024

## Watch: Feet of lake-effect snow piles up along Great Lakes paralyzing travel, prompting states of emergency

As of Monday morning, snowfall measurements reached 65.5 inches in Barnes Corners, New York, east of Lake Ontario. The town of Erie, Pennsylvania, set an all-time daily snowfall record at 22.6 inches Friday, with storm totals reaching 42.5 inches by Sunday night.



PA109 is located in Pleasantville, PA and provides gap-filling coverage for 60 miles in every direction. Orange circles represent NEXRAD systems out to 4,000ft above the ground. Blue circles represent radar "gaps" and planned or live supplemental Climavision radar sites – areas with diminished coverage beyond the low-level visibility of NEXRAD systems. The nearest NEXRAD radar to Erie is KBUF around ~90 miles away.

NEWS

## Highways in Pennsylvania closed due to lake effect snow

by: Brett Balicki, Sarah DeLisio, Hanna Erdmann  
Posted: Nov 30, 2024 / 08:54 AM EST  
Updated: Nov 30, 2024 / 08:54 AM EST

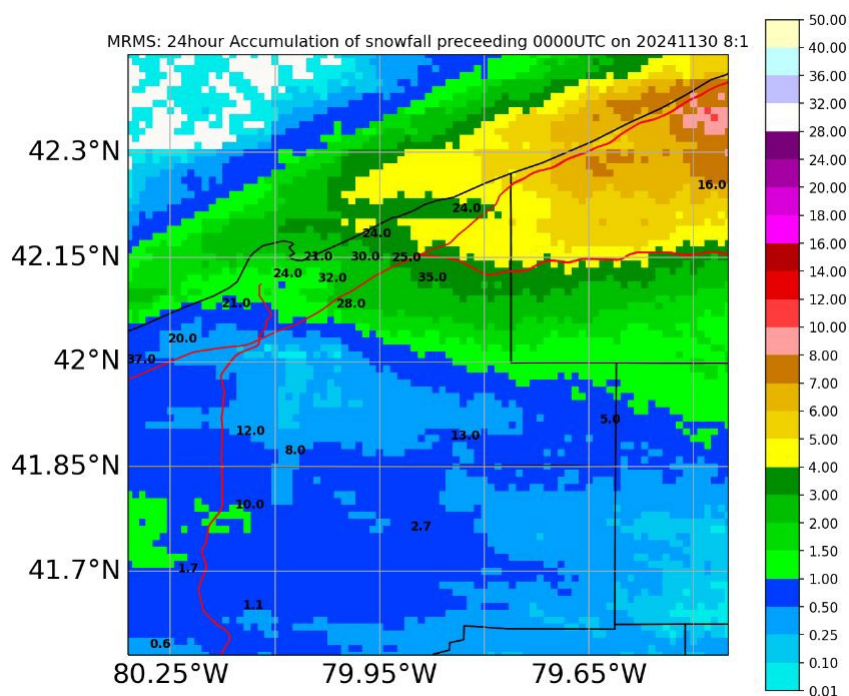


# Lake Effect Snow – Erie, PA Region

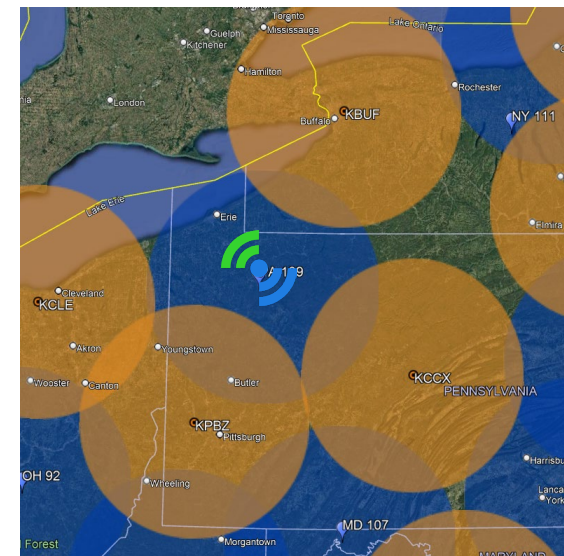
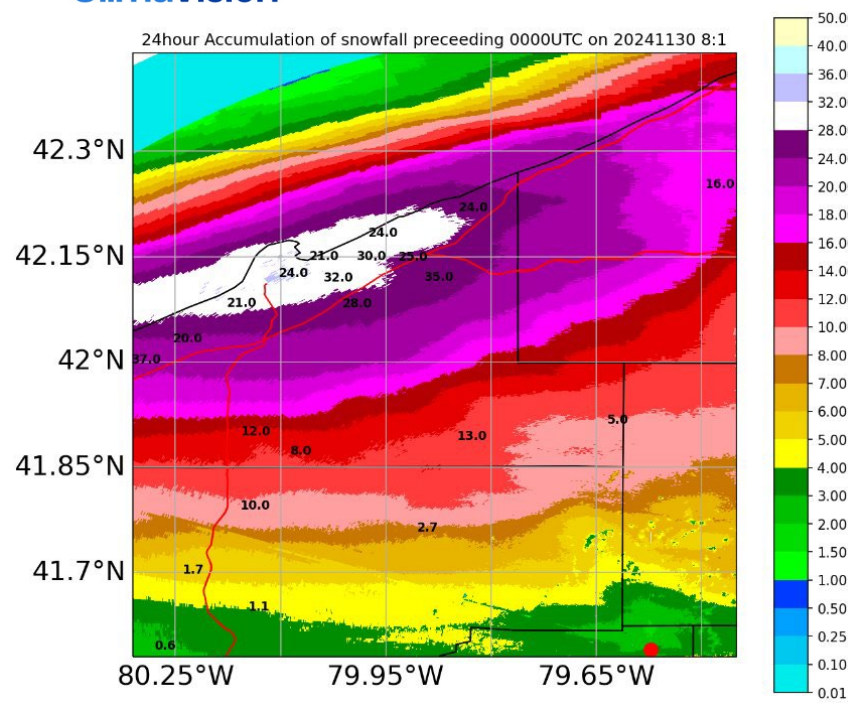
Beginning November 28, 2024 – November 29, 2024

The MRMS graphic is representative of the data collected from all nearby NWS radars. When comparing MRMS with Climavision’s PA109 system, due to the lack of low-level observations, MRMS underestimates snowfall totals over the entire viewing area. In Erie, where the highest verified snow totals were reported, Climavision’s system shows 24-36” of snowfall accumulating within the 24-hour period. When comparing to MRMS in the same area and time, MRMS saw less than 5” – and in some areas nearby, only recognizing an inch or two of snowfall, demonstrating the importance of radar coverage from the ground up.

## NEXRAD 24-hour Snow Accumulation Totals



## Climavision 24-hour Snow Accumulation Totals



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Climavision

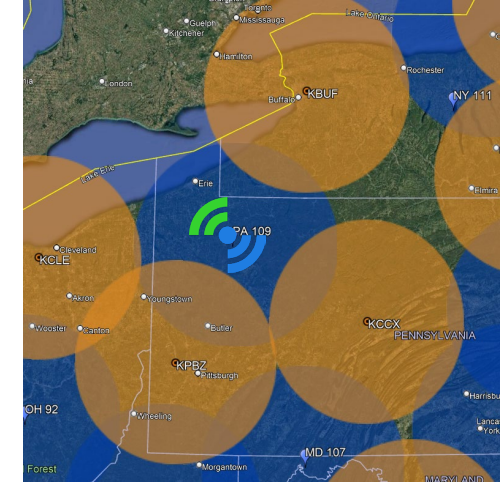
The numbers plotted in the 24-hour graphics represent the confirmed snowed accumulation totals over the 24-hour period (0Z on 11/29 – 2359Z on 11/29)



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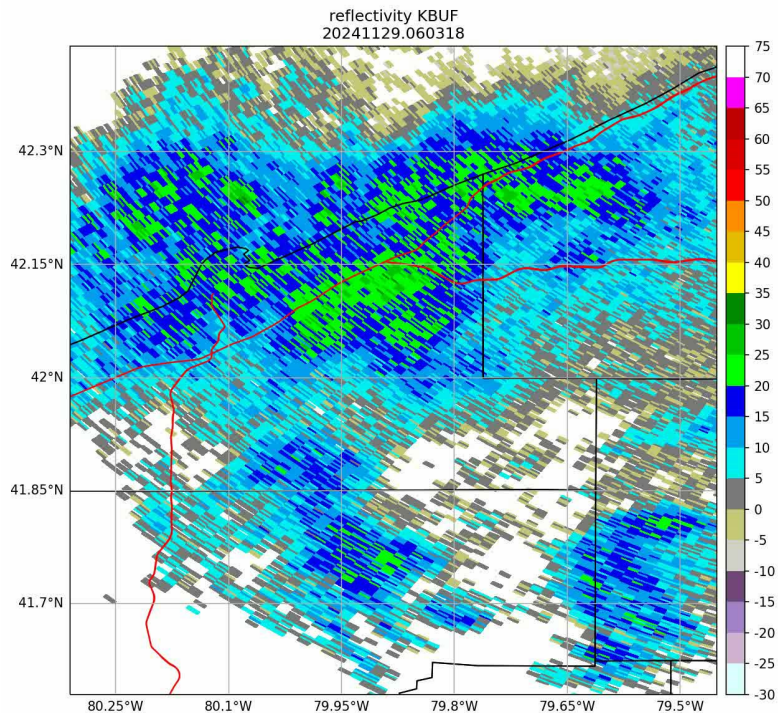
Beginning November 29, 2024

Climavision recently installed a supplemental radar in Pleasantville, PA to fill a low-level gap in observations in the Erie region. When compared to nearby National Weather Service radars (NEXRADs), the supplemental system captured heavier snowfall in certain areas. The high-resolution data captured on the supplemental system showed more clarity around impacted areas. See the video [here](#).

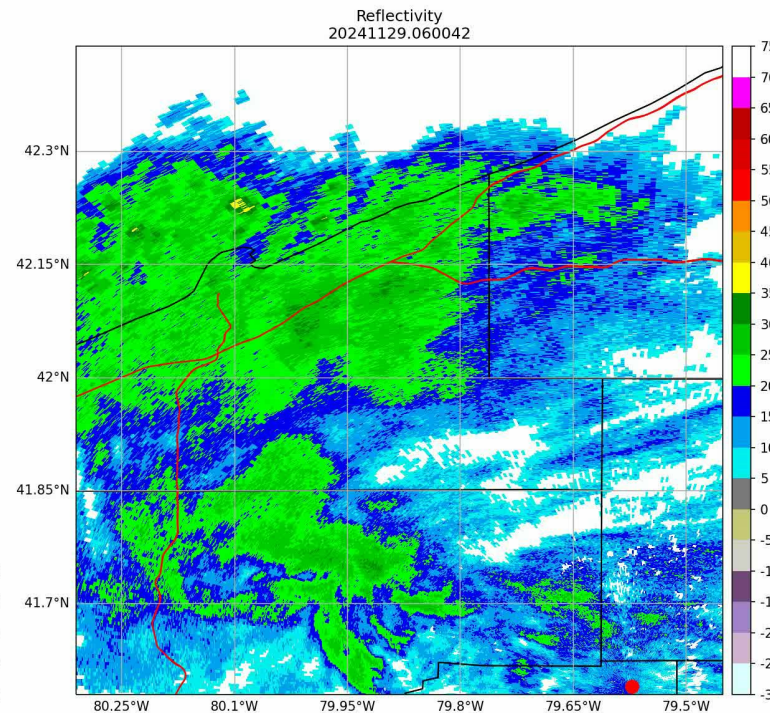


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KBUF – Buffalo, NY NEXRAD



Climavision – Pleasantville, PA

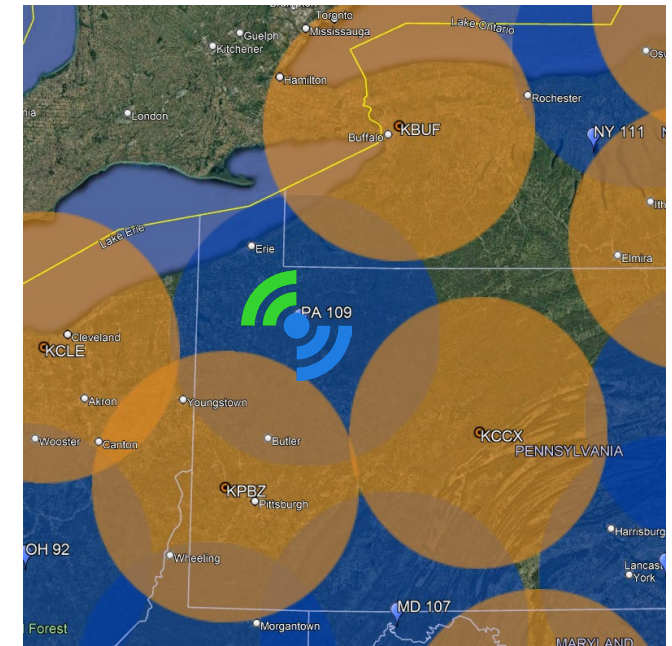




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Beginning November 29, 2024

Climavision's media client, WICU, showed the difference on air to assist in advising motorists and residents in the area. See the segment [here](#).



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