

Weather Assessment

On December 25, 2017, a massive snowstorm approached a town named Erie, Pennsylvania. This town is located on the coast of Lake Erie.



The storm moved slowly over the area that lasted for 3 days. At the end of the 3-day storm, the following record totals presented.

Date	Snow Amount
Dec 24 After 7 pm.	2.0"
Dec 25	34.0"
Dec. 26	26.5"
Dec 27 through 7 pm	2.6"
Total Snow	65.1"

Let's look at those totals again?

How tall are you in inches? _____

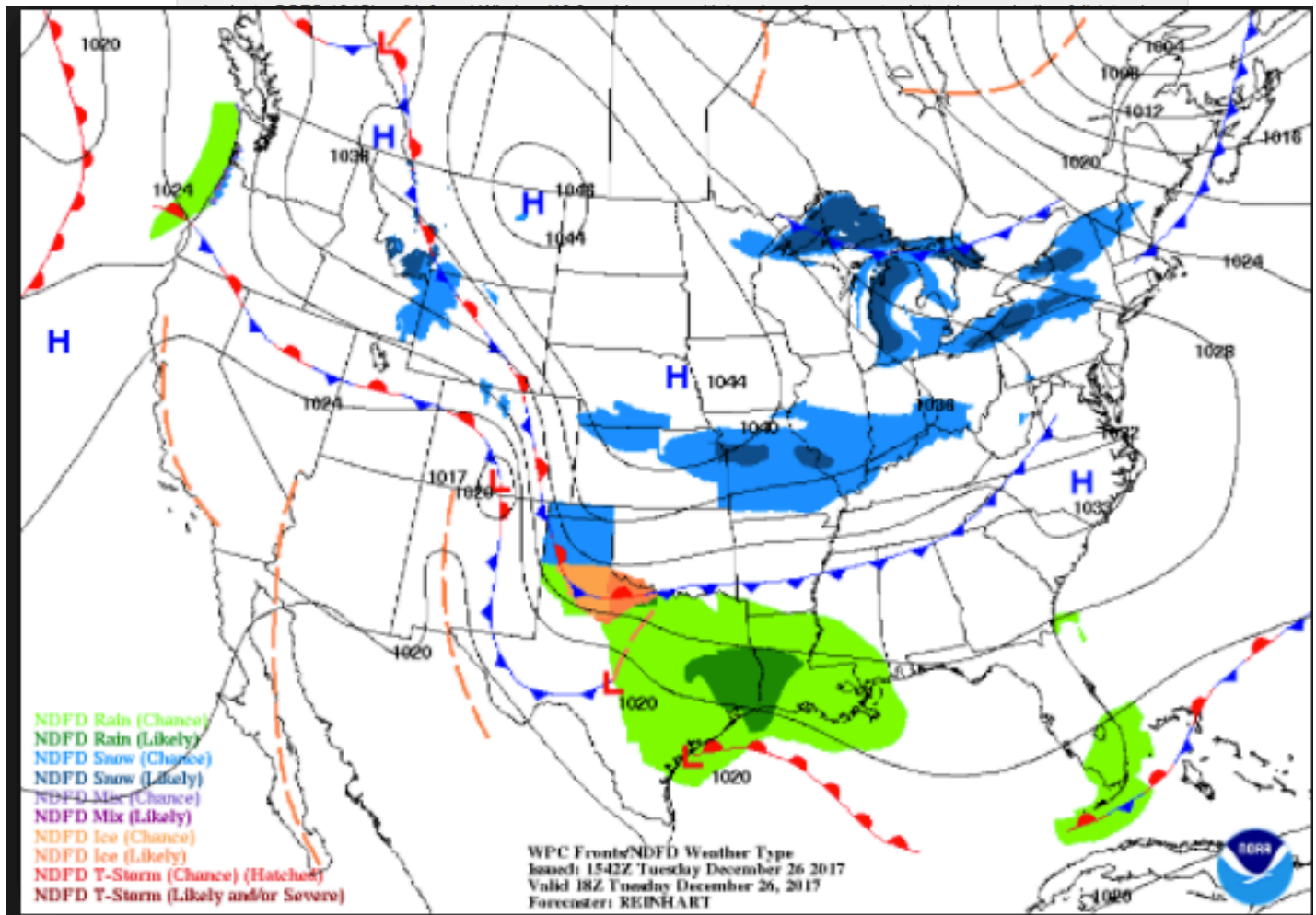
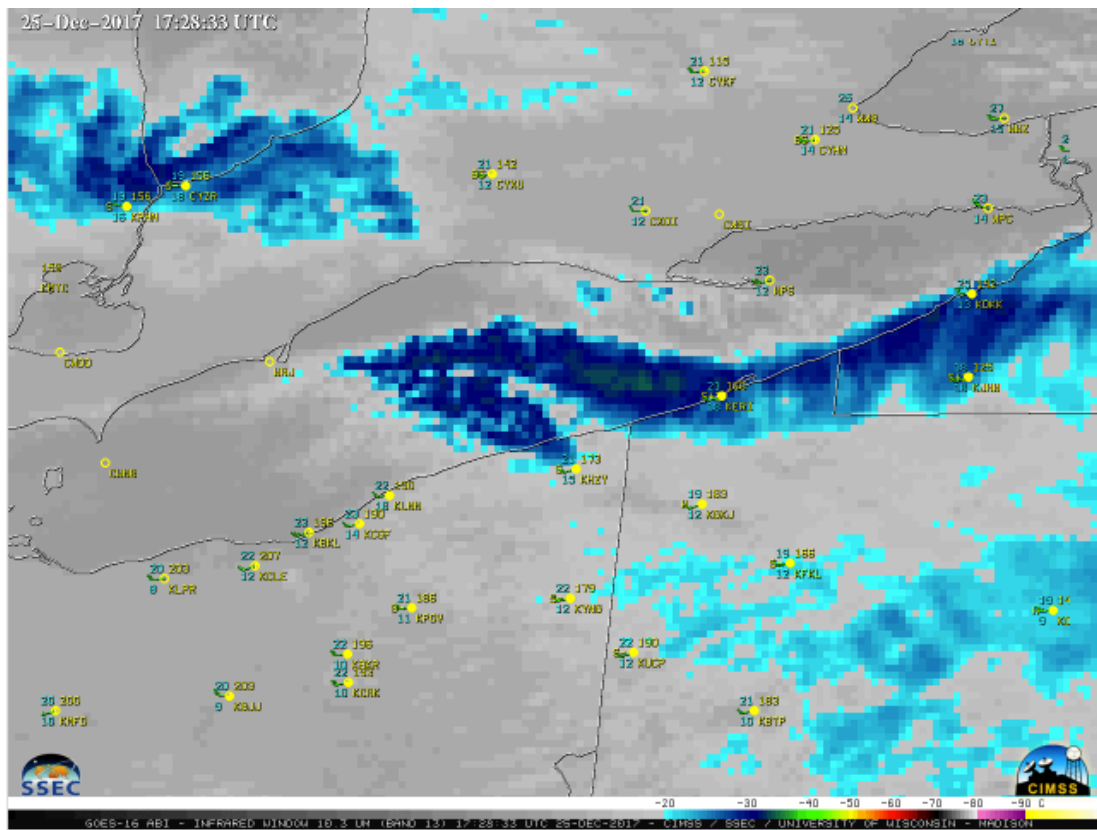
Are you shorter than 65.1" or taller? _____

By how much shorter/or taller? (Do the math)

These are record amounts. Normally, the snow total for this area is 27.6" for the month of December.

What do you think happened this year to have so much snowfall in Erie? _____

Look over the following data maps to get more information.



Draw a model explaining your thinking. Make sure you label your picture.

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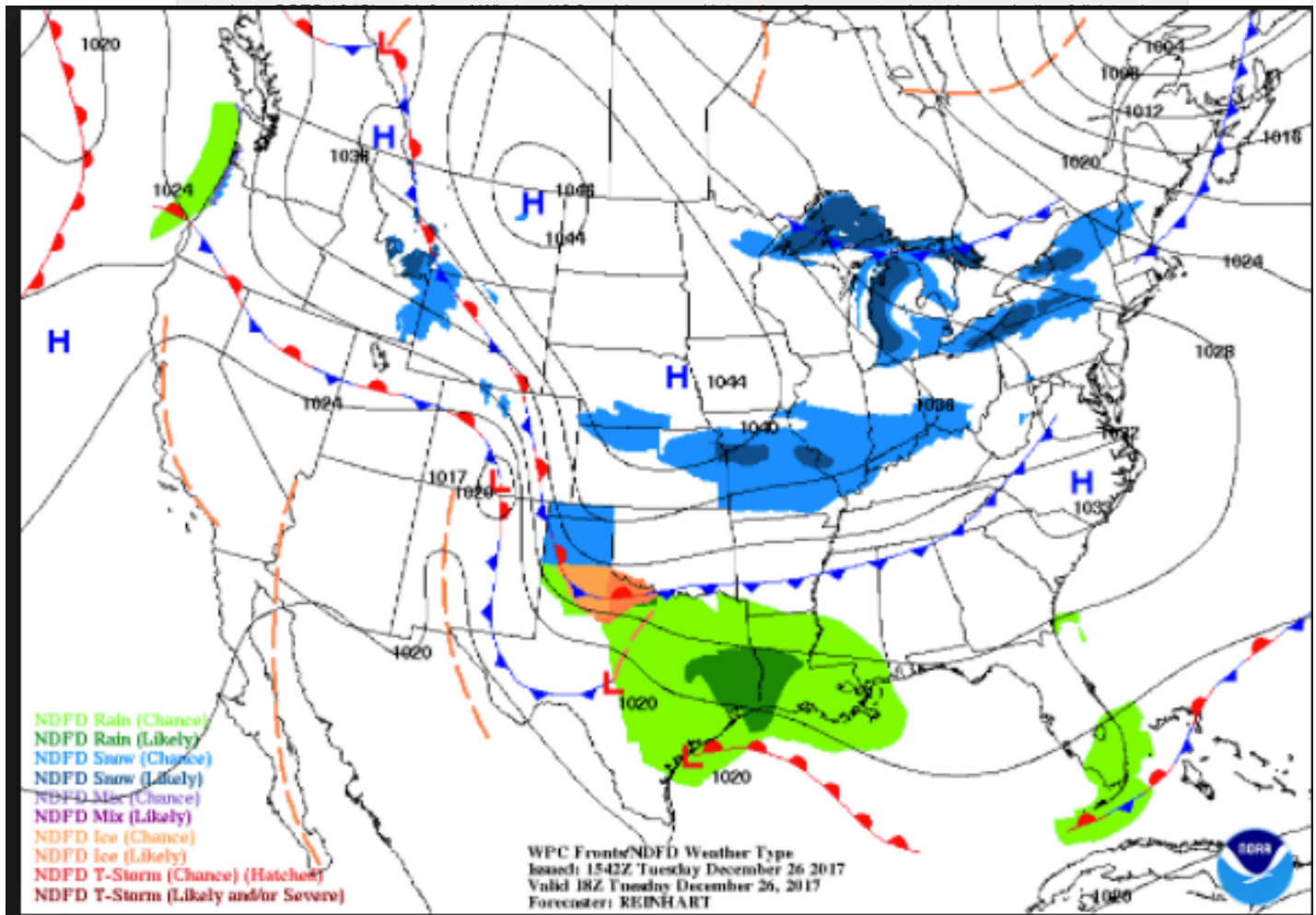
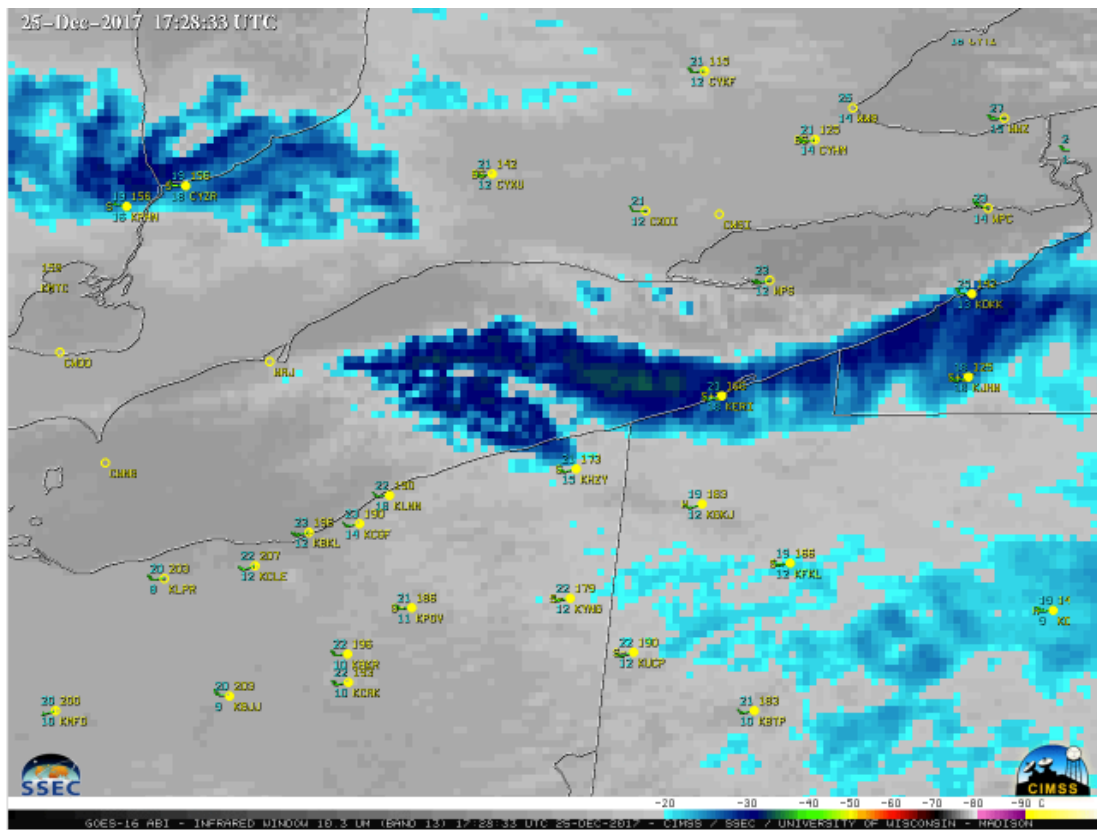
By how much shorter/or taller? (Do the math)

Answers will vary

These are record amounts. Normally, the snow total for this area is 27.6" for the month of December.

What do you think happened this year to have so much snowfall in Erie? A stationary lake-effect snowband off Lake Erie dumped an incredible 34 inches of snow at Erie Airport on Christmas Day alone, quadrupling its previous record-snowiest Christmas Day - 8.1 inches in 2002 - as well as smashing its all-time snowiest single day on record by over a foot - 20 inches on Nov. 11, 1956.

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