













## Great Lakes Snowfall Records

- 24 h: 77" @ Montague, NY
- Storm: 95" (a) Montague, NY (10-14 Jan 97)
- Month: 192<sup>"</sup> (a) Bennett Bridges, NY (Jan 1978)
- Winter: 466.9" @ Hooker, NY (1976-77)































































## 7 December 1998 Event

- Two lake-effect snowbands merged into a shoreline band
- Heaviest snow (up to 36 cm) concentrated in a narrow, 10-km wide band over Tooele County

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## Unresolved Issues

Morphological controls

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- Role of the CAP in modulating orographic enhancement
- Mechanisms of orographic enhancement
- Understanding (and predicting) the spectrum of lake-driven and terrain-driven
  processes that influence lake-effect storms in areas of complex terrain
- GSL: Interdecadal variability & lake size

Mountain Meteorology

