ERA5 REGIONAL PRECIPITATION ANALYSIS

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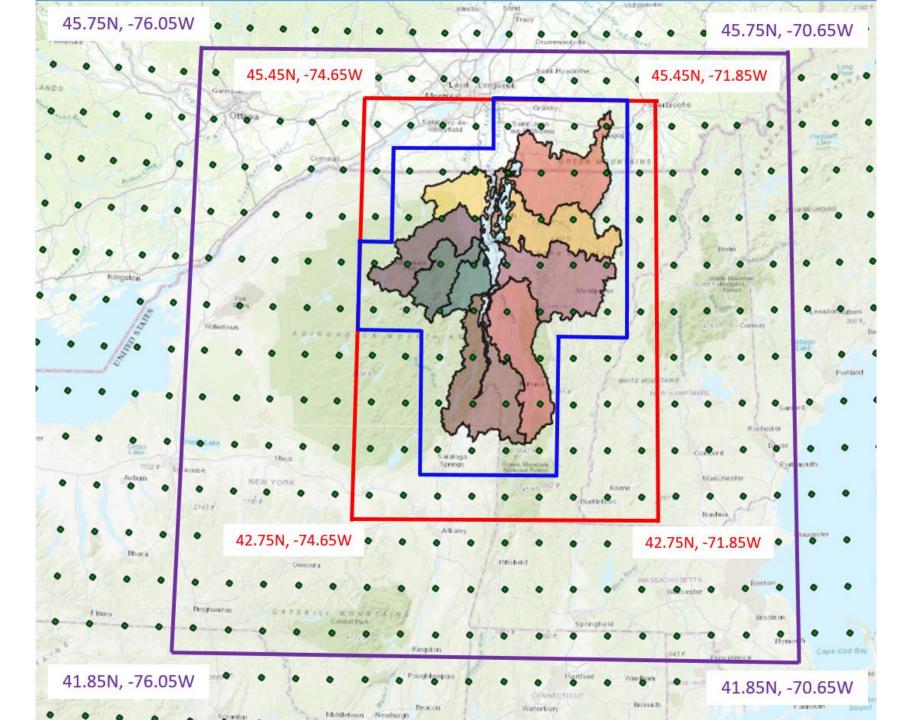
All Hands Meeting 12 June 2018



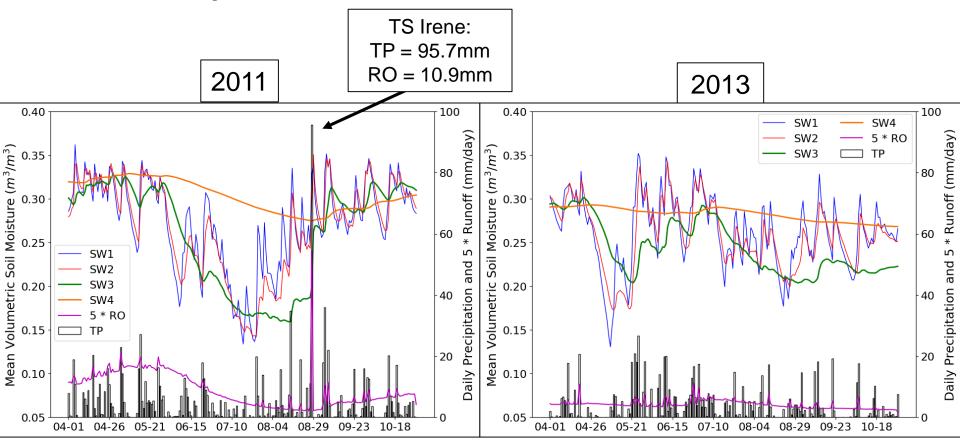


Goals

- Create a climatology of heavy precipitation events in the Lake Champlain Basin (LCB)
 - ERA5 Climate Reanalysis
 - 1979—present
- Explore how the modes, frequency, and/or intensity of heavy precipitation events in the LCB have changed over time
- Investigate how climate-sensitive land-surface conditions impact the frequency and/or intensity of a flooding event in the LCB
 - Antecedent soil moisture
 - Snowpack characteristics



Mean Daily Volumetric Soil Moisture, Daily Precipitation and Runoff within the LCB



Thank You!

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