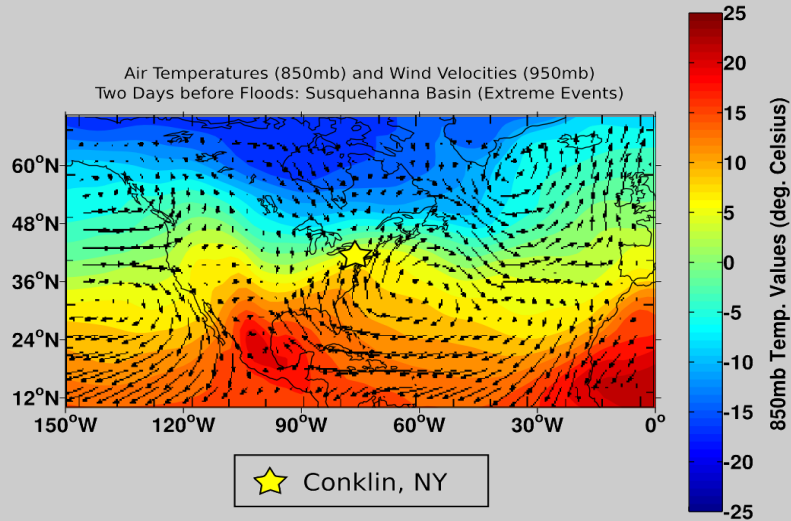


What are the Meteorological Causes of Extreme Floods in the Northeast?

Benjamin Mayersohn
Advisor: Yochanan Kushnir

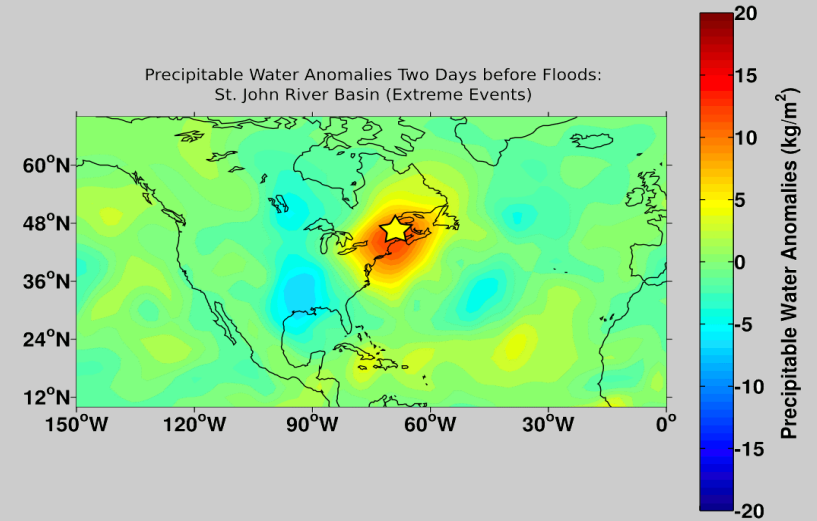
A Warm Air Mass Converges with Cooler Northern Air over the Basin a Few Days Before the Flood

1



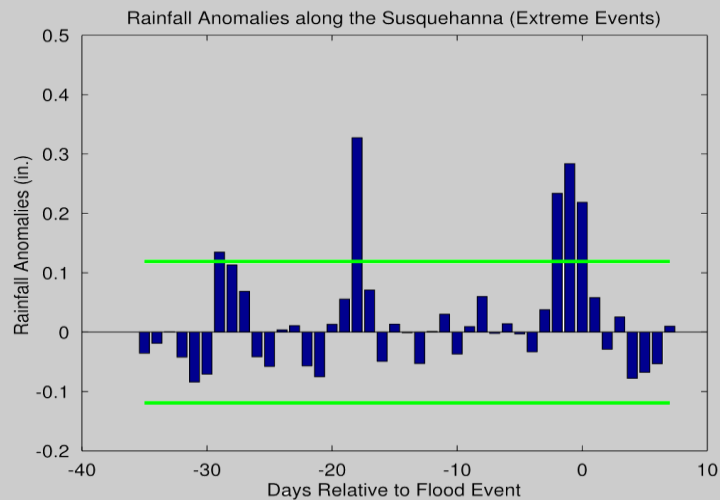
Anomalously High Amounts of Precipitable Water are Transported over the Basin during this Time

2



A Period of Significantly Anomalous Rainfall Lasting Several Days Occurs Immediately Before the Floods

3



Snow Depths Begin Anomalously High and Decrease to Average Seasonal Values over a Period of Several Weeks Before the Floods

4

