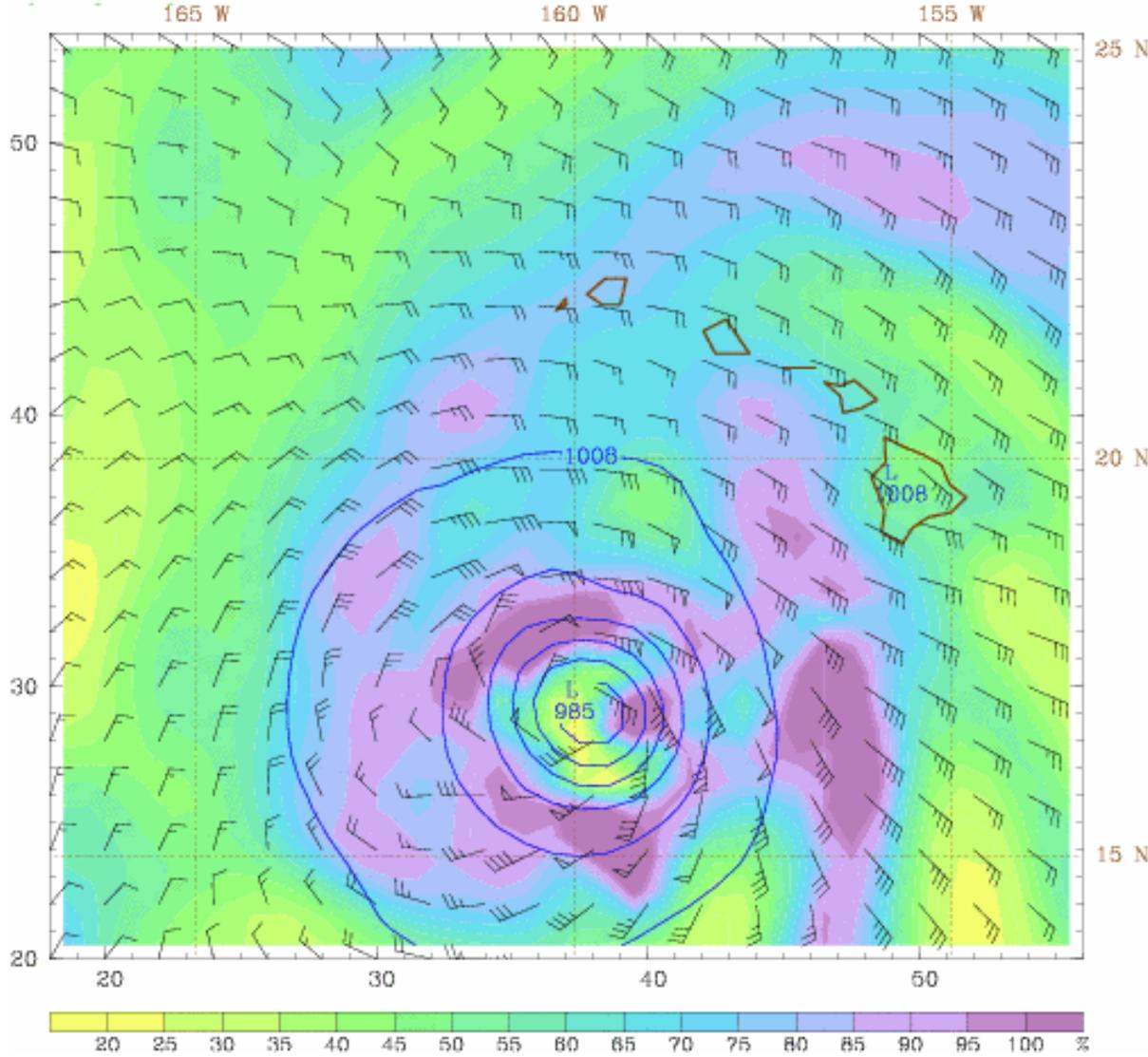


An Application of 4d-VAR to Weather Control and Exigent Forecasting

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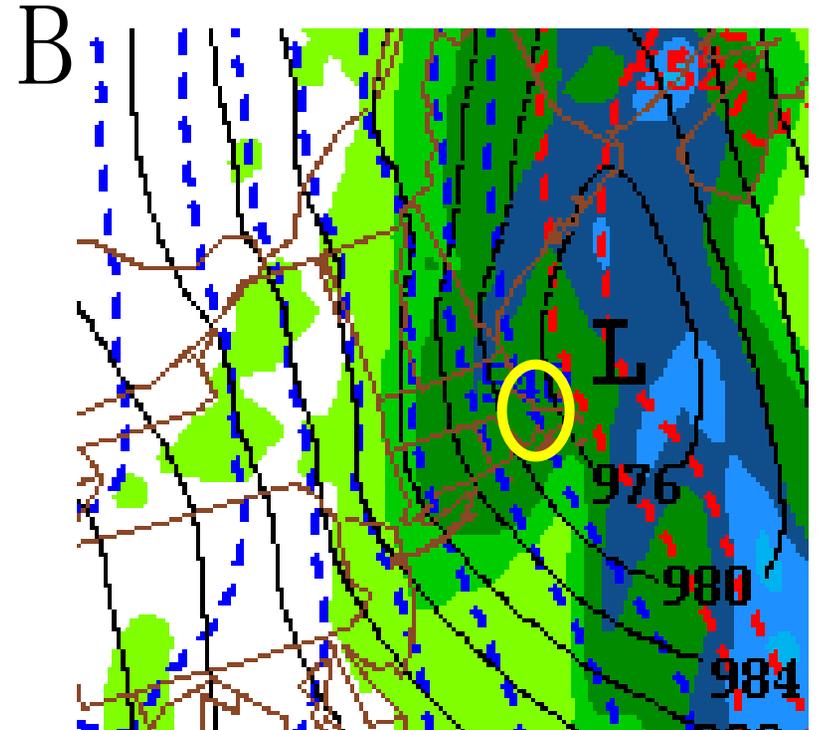
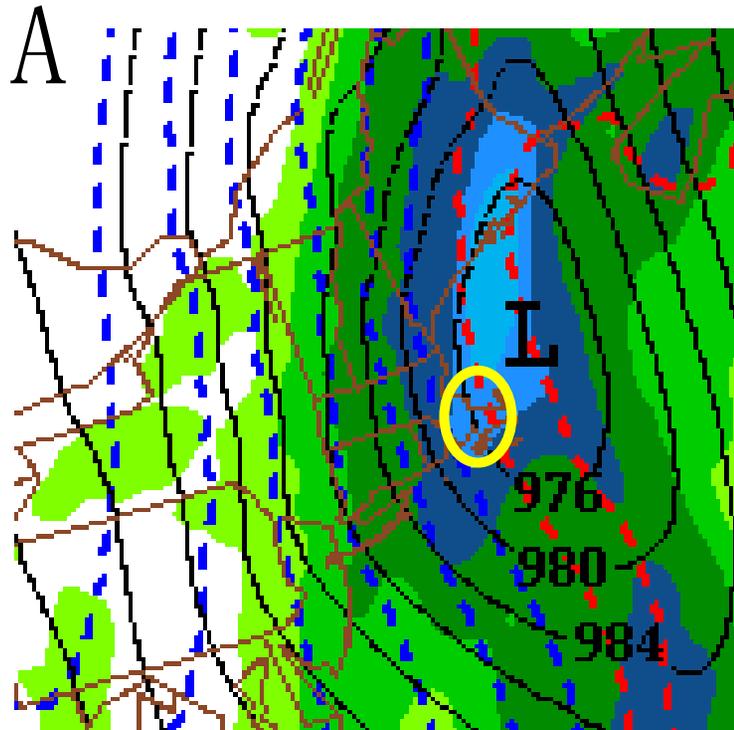
Atmospheric and Environmental Research, Inc.,
Lexington, MA

Simulated TC modified by 4d-VAR



750-hPa Relative Humidity

How likely is Forecast A to happen instead of Forecast B?



Exigent forecasting: A novel use of 4d-VAR