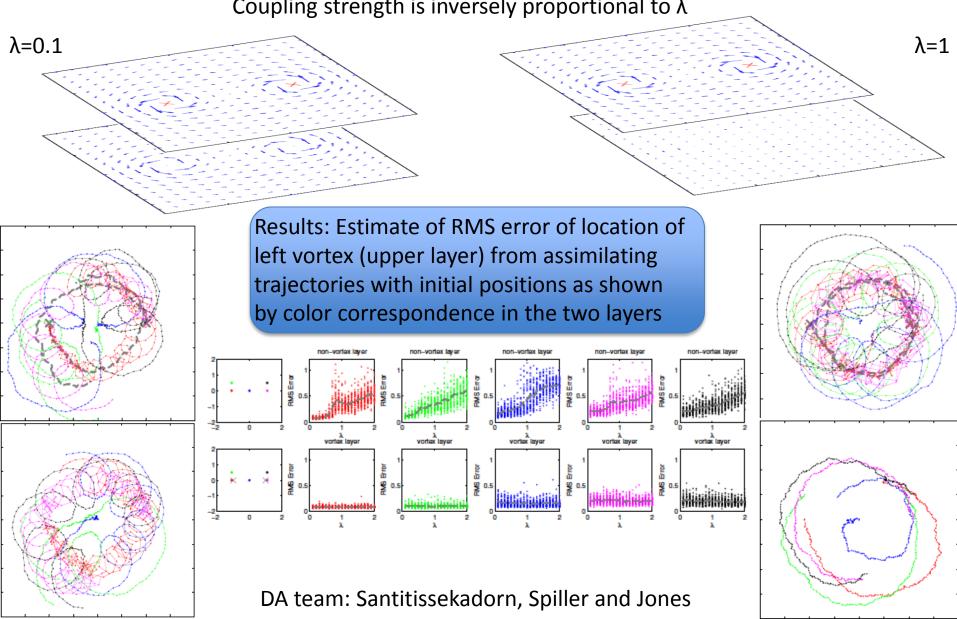
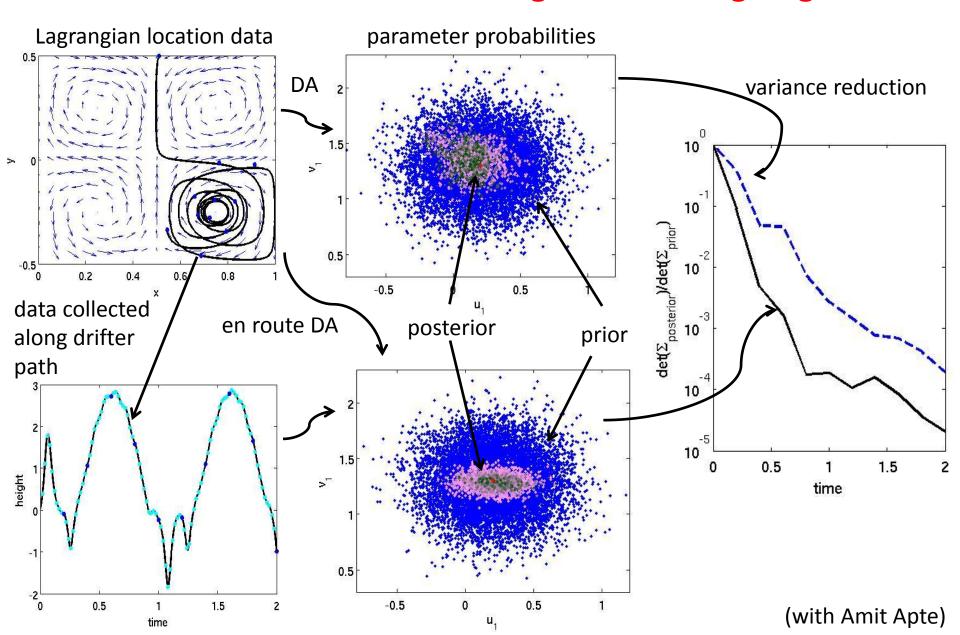
## Assimilation of Lagrangian Data across Layers

Two point vortices on top layer with coupling to second layer Coupling strength is inversely proportional to  $\lambda$ 



## Variance Reduction via Assimilating En-route Lagrangian Data



## Quantifying Model Error for the Rotating Can

