Proposed Time-line

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Week 2
• Continue reading
• Develop program to solve the Lorenz ’96 equations w/parameters described in Lieb-Lappen/Danforth in MatLab
• Find more literature describing the solutions to the Lorenz ’96, how does the system operate

Week 3
• Experiment using ensemble filter with the solutions to these equations.
• Experiment to find an error function (max/mean error) based on ensemble filter
• Experiment the results of the model using the ensemble filter. Figuring which variable combinations work best with which filters

Week 4
• Experiment using particle filter with the solutions to these equations.
• Experiment to find an error function (max/mean error) based on particle filter
• Experiment the results of the model using the particle filter. Figuring which variable combinations work best with which filters

Week 5
• Continue collecting and preparing materials
• Begin preparing a presentation for the middle review
• Begin collecting information for further analysis and final project