ATM 419/563 – Final project proposal

Spring, 2024 – Fovell

Due Thursday, February 22nd, by start of class.

A very important part of this class is the individual final project, which is due by Wednesday, May 7, by 5 PM EDT (see syllabus).

For this assignment, which will be graded, please identify your proposed final project subject. Provide start and end dates for the **event** (say, snow in area of interest started on 00Z 23 January 2023 and ended by 18Z the same day, and for the **simulation** (which should start some period *before* the event start and terminate on or after the event end). Please feel free to consult with Liam and/or myself.

`Event`: _____.

`Event start`: _____, `Event end`: _____.

`Simulation start`: _____, `Simulation end`: _____.

Provide estimates of the **domain extent** and **grid spacing** required. For nested simulations, the domain extent represents the outer or parent domain. Example: Domain extent 36-50N, 63-84W, or Quebec to North Carolina, west to Indiana, east to Nova Scotia, at 36 km grid spacing.

`Domain extent`: _____.

`Grid spacing`: _____.

Below, or in a PowerPoint, provide a 1-paragraph, several sentence description of the event, and why it sparks your interest. Please attach one or more supporting figures. Some examples: radar imagery during the event. Weather maps from WPC or another source representing the event start, end, and maybe the event peak. SPC severe weather reports. A news article regarding the event. A depiction of your proposed domain.

Attach images or other information as needed. Submit electronically to Liam and myself or hand it in in paper format.