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.