

ATM 622: Term Paper and Presentation

Key Dates and % of Term Paper Grade:

Paper (70%) – **November 18**

Presentation (30%) – **November 20 or 25**

Overview:

Working with a partner, you will investigate some aspect of the general circulation of the atmosphere or ocean. A wide variety of topics are possible, but it must fit into the themes of the class. Possible ideas include:

- Use the methods introduced in class in some aspect of your own research
- Evaluate a past general circulation study in the literature with a modern dataset, such as reanalysis, satellite, or other observational data
- Design and implement your own tank experiment to investigate some analogous aspect of the general circulation

Proposal (e-mail)

When you and your partner decide on a topic, please send me a short e-mail describing your topic, and what methods/datasets you are planning to use. Please send me the e-mail before **September 27**. I will then give you some preliminary feedback, particularly to make sure the scope and amount of work are appropriate.

Paper

The paper should be organized like a draft of a scientific article (e.g., AMS or AGU template), containing an abstract, introduction, methodology, results, and conclusions. The aforementioned sections should be ~12 pages in length, double spacing, 12 pt. font. Please include a list of references. Please also include a short statement of work, stating which parts of the work were performed by whom. Your figures and tables should all be at the end of the paper. Abstract, references, and figures are not included in the page count.

Presentation

Treat your presentation like a conference presentation. You will have 15–18 minutes to present, followed by questions from the class and myself. Emphasize key aspects of your term project, tell a good story, make sure your figures are readable, annotate where appropriate, and practice. Make sure both you and your partner present equally.