ATM 622: Term Paper and Presentation

Key Dates and % of Term Paper Grade:

Paper (70%) – December 5
Presentation (30%) – December 7 and 12

Overview:

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 (e.g. budget analyses) 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 or satellite data
- Design and implement your own tank experiment to investigate some idealized aspect of the general circulation

Proposal (e-mail):

When you 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 your e-mail within the next week. I will give you some preliminary feedback.

Paper (10-15 pages):

The paper should be organized like a draft of a scientific article (ideally using an AMS template), containing an abstract, introduction, methodology, results, and conclusions. The aforementioned sections should be 10-15 pages in length, double spacing, and 12 pt. font. Please include a list of references. Your figures and tables should all be at the end of the paper. References and figures do not count toward the page limit.

Presentation (15 minutes + questions):

Treat this like a conference presentation. You will have 15 minutes to present, followed by questions from the class and myself. Tell a good story of what you have done and practice ahead of time.