

Atmospheric Sciences 5700

Report (Spring 2023)

The goals of the report are to allow and encourage you to delve into a topic of interest to you in greater depth, to share what you learned with the class, and to develop and practice your oral and written presentation skills.

Pick a topic of interest to you within mesoscale meteorology that we did not or will not cover in detail in the course. Base your report on this topic on one journal article or two conference preprints or similar-length reports. Good sources of relevant journal articles are *Weather and Forecasting* and *Monthly Weather Review*.

1. Select a topic by **March 21** and inform instructor.
2. Locate relevant literature by **March 30** and inform instructor.
3. Class presentation on **April 20**: 10 minutes total (8 minutes report with slides, 2 minutes discussion)
4. Written report due **April 27**: A written report based on your class presentation.

Mesoscale & Radar Meteorology

Reports

April 22, 2021

12:25 Alex Anderson: Downslope Winds

12:35 Colin Sawyer: Downslope Windstorms

12:45 Jake Coleman: Derecho & Microbursts

12:55 James Powell: Microbursts

1:05 Break

1:10 Julian Pellmann: Sting Jets

1:20 Rily Quinonez: Pyroconvection

1:30 Nathan Tarino: Tornado Genesis/Forecasting

1:40 Brandy Smith: Tornado Safety.