

Summary of FESD PI webex meeting.

In attendance: Polvani, Gnanadesikan, Waugh, Kinnison, Holland, Marshall

JHU, NCAR, Columbia, MIT reviewed ongoing activities as we approached the 1/2 way mark of the 5-year project.

We tried to pull out what have been the distinctive contributions of the project thus far and the following emerged:

- prescriptions of ozone in SC models of climate.
Use of daily ozone rather than monthly-mean. This issue has now been studied extensively and a clear 'recipe' is available. (theme A)
- the response of the ocean and sea-ice to SAM perturbations is a two-timescale problem (theme B)
- the importance of the mean state of the ocean in capturing a realistic response to ozone and wind perturbations (theme B)

Important outstanding issues that we might address are:

- the role of natural vs forced variability in understanding the observational record, both in the atmosphere and ocean.
- what is the mechanism underlying multi-decadal oscillations in the GFDL model?
Do they represent something that is real, or are they a model artifact. Such oscillations do not appear to be present in, e.g, the NCAR or GISS models.

One important goal of our project going forward would be to assist GFDL, NCAR and GISS in improving the climatology of the SH in their coupled models. Much can be learned from a study of control runs.

We also discussed our summer meeting, June 7th and 8th

External attendees at our summer meeting who have agreed to join us:

Bitz,
Fyfe,
Gille
Gillett (maybe)
Lovenduski
Marinov
Sarmiento,
Schmidt

We have also invited Larry Horowitz and Tom Delworth of GFDL and Matt England (UNSW) to the meeting, and are awaiting their response.
