

Summary of FESD Ozone and Climate web meeting, Thursday October 19th, 2017

In attendance:

Columbia: Polvani, Sheshadri

NCAR: Kinnison

MIT: Doddridge, Marshall

JHU: Seviour, Thomas,

Oxford: Kostov

Reading: Ferreira

We discussed three things:

(i) Progress on the Ozone response function group paper led by the JHU group.

Progressing well - JHU to request further data from Ed D at MIT and Cecelia B from CCSM3.5

(ii) Proposed paper on the seasonal cycle of SIE and SST and its relation to SAM in CMIP5 models.

Lorenzo suggested that the observational paper of Doddridge and Marshall (2017) http://oceans.mit.edu/JohnMarshall/wp-content/uploads/2017/07/DM_SAM_SIE.pdf might be used as a test of the skill of the response of CMIP5 models to SAM forcing.

Diagnostic quantities that are required from a long control run are monthly means of:

- sea level pressure
- sea surface temperature
- sea ice concentration
- sea ice extent (but can calculate this from sea ice concentration)

We will discuss with Yavor the availability of model output in the CMIP5 archive.

(iii) Date of winter FESD group meeting at Columbia, NYC.

Lorenzo has booked rooms in Applied Math for a FESD meeting on January 22 & 23 (Mon/Tue).

John to canvas group.

We might also try Jan 8 & 9 when rooms might also be available.

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Doug reminds us that the current status of the UMIT account is that we have ~9M core hours - left from our 9.4 million allocation. So please start using!

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Good short meeting.

Thanks everyone,

John

ps new paper from Marika Holland et al on Antarctic Sea Ice:

<https://www.nature.com/articles/s41467-017-00820-0>

Thanks Marika.

ps summary of our September 15th meeting, and all our past meetings, can be found here:

<http://ozoneandclimate.squarespace.com/meetings/>