

Gabriel Pereira Freitas

Coarse Particles ($>1 \mu\text{m}$) in the Arctic

Questions:

- What parameters govern coarse particles in the model?
- How does it vary spatially and in time?
- Difference in scenarios?
- How does it compare to observations (Zepp, Barrow, Alert...)?

Model: UKESM1-0-LL ssp126/585
(*Scenarios*) and esm-hist (*Historical*)

Experimental data:

Aerodynamic particle sizers:

- Zeppelin, Alert, Barrow

*Compare with
cloud cover
and phase...
...Johannes*

