Gabriel Pereira Freitas Coarse Particles (>1 µm) 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...)?

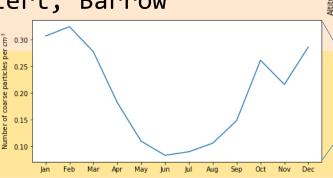
Model: UKESM1-0-LL ssp126/585 (Scenarios) and esm-hist (Historical)

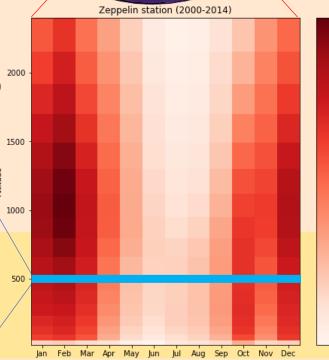
Experimental data:

Aerodynamic particle sizers:

- Zeppelin, Alert, Barrow

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





1200000

400000

200000

0.10

0.05