Shift in winter air mass transport at Svalbard

Project and motivation

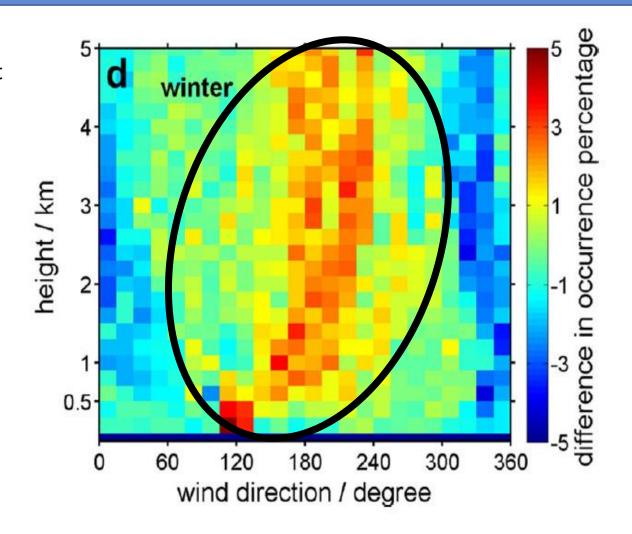
 Radiosondes showed changes in airmass transport patterns: more S-SE winds now

Goals

- Can we see this shift with back-trajectories?
- Study effects on temperature and specific humidity.

DATA

- Hyspilt back-trajectories (100, 500, 1500 m)
- ERA-5: temperature and specific humidity
- Observation data: Temperature, aerosols, wind speed and wind direction.



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Maturilli and Kayser (2016)