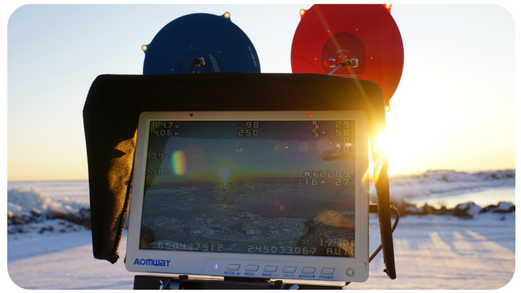
OBSERVATIONS



OBSERVATIONS OF:

- TEMPERATURE
- HUMIDITY
- AIR PRESSURE
- WIND SPEED



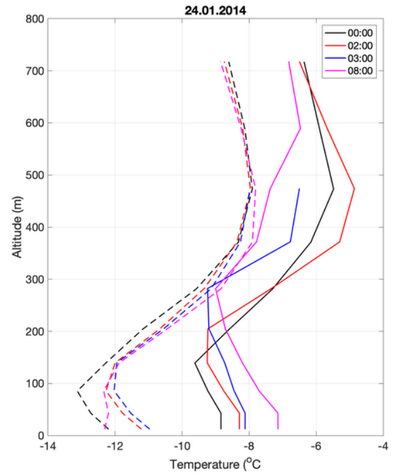
NUMERICAL MODELS

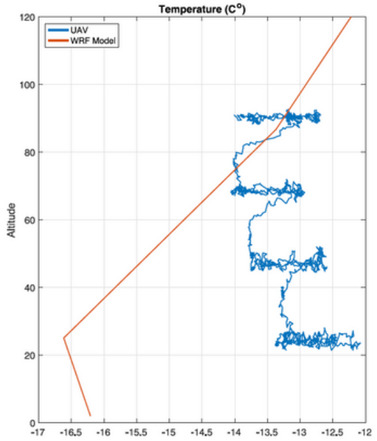
- WRF
- POLAR WRF (AMPS)
- ERA5

ANALYSIS

EVALUATION OF MODEL RESULTS BASED ON:

- THE ATMOSPHERIC REGIME
- INVERSION DEPTH AND STRENGTH
- ATMOSPHERIC BOUNDARY LAYER HEIGHT





OUTCOME: ARE THE ERRORS IN THE NORTHERN EUROPE AND THE ANTARCTIC SIMILAR?
WHAT IS THE REASON BEHIND MODELS ERRORS?

EVALUATION OF REGIONAL NWP RESULTS FOR SEA ICE COVERED BOTHNIA BAY (BALTIC SEA) IN WINTER 2020(2021) AND WESTERN ROSS SEA IN WINTER 2016 AND SUMMER 2014.

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DAVID BRUS, KONSTANTINOS DOULGERI, VILLE VAKKARI

Part of the project: "Observations and modeling of sea ice interactions with the atmospheric and oceanic boundary layers" No. 2018/31/B/ST10/00195 (financed by Polish National Research Center)