Remote Sensing and the Arctic System

Topics for Bachelor theses

1. What can we learn from higher radar moments?

Determination of Doppler spectra skewness in liquid layers

- Determination of cloud radar Doppler spectra skewness
- Use Cloudnet target classification to find cloud layers with only ice/ice + liquid/liquid only
- Correlate skewness with temperature
- Data from Field Experiment (ACCEPT) in Cabauw, Netherlands, Fall 2014 (TROPOS)

Requirements / interests
- eagerness to learn or develop programming skills (*Matlab, Python*)
- having fun in combining different data sets

Supervisors
- Heike Kalesse
- Willi Schimmel