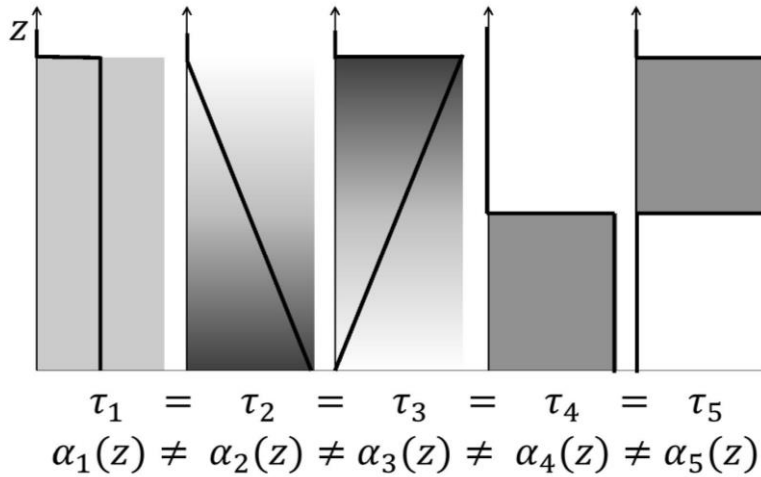


# Model evaluation for AeroCom 2019 vertical aerosol profiles

Motivation: vertical distribution of aerosols



## Motivation

- Aerosol vertical distribution impacts the transport of (shortwave and longwave) radiation through the atmosphere as well as the formation of clouds and precipitation patterns

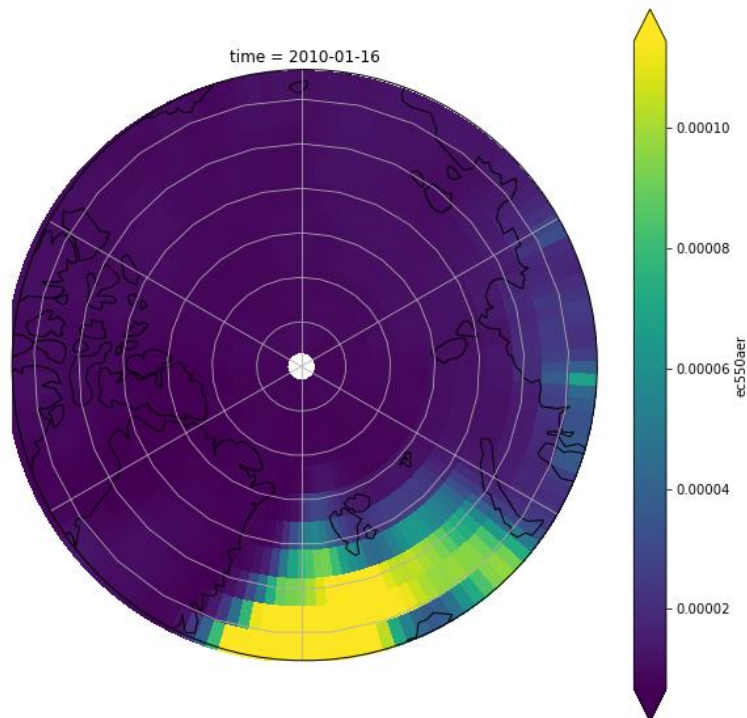
## Research Question:

- How well do models simulate the aerosol profile in the arctic ?

## Data:

Model- CAM5-ATRAS, CAM6-OSLO, GOES, GFDL-AM4, OSLOCTM

Observation- CALIPSO LEV 3 satellite data



Profiles of Extinction Coefficient (Model vs Observation)

