Precipitation retrieval at Princess Elisabeth, Antarctica

N. Souverijns, A. Gossart, I.V. Gorodetskaya, S. Lhermitte, N.P.M van Lipzig
and many others
1. Ground-based precipitation retrieval
2. Airborne precipitation retrieval
CloudSat uncertainty
3. Modelled precipitation
COSMO-CLM²

• 30 – year hindcast simulation

• Adapted for Antarctic conditions

• Future: Cloud-aerosol-precipitation interactions at Princess Elisabeth
Some final notes

• Database of cloud, aerosol and precipitation observations at Princess Elisabeth station
  • [www.aerocloud.be](http://www.aerocloud.be)

• MRR snowfall retrieval → poster on Wednesday (AC-2_1654)

• CloudSat snowfall evaluation → presentation on Friday 12h (AC-2d polar meteorology session)

• Model simulation → presentation on Thursday 14h45 (AC-3a high latitude boundary layers and model evaluation)