

References

Finney et al. (2023) “DCMEX coordinated aircraft and ground observations: Microphysics, aerosol and dynamics during cumulonimbus development” ESSDD
<https://essd.copernicus.org/preprints/essd-2023-303/>

McKim et al (2024) “Weak anvil cloud area feedback suggested by physical and observational constraints” Nat. Geosci.
<https://www.nature.com/articles/s41561-024-01414-4>

Field et al. (2023) “Implementation of a double moment cloud microphysics scheme in the UK met office regional numerical weather prediction model” QJRMS
<https://rmets.onlinelibrary.wiley.com/doi/full/10.1002/qj.4414>

Sun et al (2022) “Clouds and the Earth’s Radiant Energy System (CERES) FluxByCldTyp Edition 4 Data Product” J. Atmos. Ocean. Tech.
<https://journals.ametsoc.org/view/journals/atot/39/3/JTECH-D-21-0029.1.xml>

Sherwood et al. (2020) “An Assessment of Earth's Climate Sensitivity Using Multiple Lines of Evidence” Rev. Geophys.
<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2019RG000678>

Related talks

17:10–17:20 | EGU24-18961 | AS1.16

“Airborne observations of ice-nucleating particles in the vicinity of developing deep convective clouds during the North American monsoon”
<https://meetingorganizer.copernicus.org/EGU24/EGU24-18961.html>

14:20–14:30 | EGU24-6816 | AS3.10

“Observations of ambient aerosol and warm cloud formation in a New Mexico summer deep-convection system”
<https://meetingorganizer.copernicus.org/EGU24/EGU24-6816.html>

Related posters

X5.33 | EGU24-15019 | AS1.16

“Overview of DCMEX project, progress made towards goals, and measurements of primary ice particles”
<https://meetingorganizer.copernicus.org/EGU24/EGU24-15019.html>

X5.39 | EGU24-18918 | AS1.16

“Causes of large climate model spread in equatorial Pacific cloud feedback”
<https://meetingorganizer.copernicus.org/EGU24/EGU24-18918.html>

X5.18 | EGU24-1493 | AS1.16

“Overview of Secondary Ice Production In the Deep Convective Microphysics Experiment (DCMEX)”
<https://meetingorganizer.copernicus.org/EGU24/EGU24-1493.html>