



(AC)³ ACLOUD / AFLUX / MOSAiC-ACA

Data meeting

3. & 4. December, 2020

Online meeting via Zoom

Link : <https://uni-leipzig.zoom.us/j/84025669461?pwd=R1d3WE1abVBQTct2YTVXVzdvOHJIUT09>

Agenda

THURSDAY, 3 December 2020

Session I: 13:00 – 15:00 – In-situ measurements

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| 13:00 – 13:10 | Welcome |
| 13:10 – 13:30 | <i>Chemical composition results of cloud particle residuals during ACLOUD - Oliver Eppers (MPIC, Uni-Mainz)</i> |
| 13:30 – 13:50 | <i>Differences of cloud particle number size distributions observed during ACLOUD - Stephan Mertes (TROPOS)</i> |
| 13:50 – 14:10 | <i>Preliminary in-situ data from MOSAiC-ACA - Manu Moser (DLR)</i> |
| 14:10 – 14:30 | <i>Mixed phase clouds in situ properties during ACLOUD/AFLUX/ACA campaigns and satellite validation – Olivier Jourdan & Guillaume Mioche (LaMP)</i> |
| 14:30 – 14:50 | <i>Dropsonde profiles during MOSAiC-ACA – Sebastian Becker (LIM)</i> |
| 14:50 – 15:00 | Break |

Session II: 15:00 – 16:30 – Remote sensing

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| 15:00 – 15:20 | <i>Arctic Clouds and Liquid Water Path over Ocean in different Air Masses during ACLOUD - Leif-Leonard Kliesch (Uni-Köln)</i> |
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- 15:20 – 15:40** *Systematic biases in satellite-derived cloud profiles and their impact on radiative transfer* – Birte Kulla (Uni-Köln)
- 15:40 – 16:00** *Retrieval of liquid water clouds over the Arctic ice using airborne spectral solar remote sensing* – Marcus Klingebiel (LIM)
- 16:00 – 16:30** **Discussion**

FRIDAY, 4 December 2020

Session III: 09:00 – 10:40 – Model simulations

- 09:00 – 09:20** *LES case configuration and evaluation based on P5 and P6* – Jan Chylik (Uni – Köln)
- 09:20 – 09:40** *LES work based on ALOUD RF20* – Roel Neggers (Uni – Köln)
- 09:40 – 10:00** *Modelling properties of the MPCs observed on the 17th of June during ALOUD: Difficulties in comparing in situ measurements with the WRF model* – Diana Arteaga (LaMP)
- 10:00 – 10:20** *Employing airborne radiation and cloud microphysical observations to improve cloud representation in ICON at kilometer-scale resolution in the Arctic* - Jan Kretzschmar (LIM)
- 10:20 – 10:40** **Discussion and Break**

Session IV: 10:40 – 13:00 – Miscellaneous & Related research

- 10:40 – 11:00** *Trajectory analysis in airborne measurement campaigns: possibilities and potentials* – Benjamin Kirbus (LIM)
- 11:00 – 11:20** *Cloud properties in Cold Air Outbreaks in the Western Atlantic at 40°N* – Simon Kirschler, Christiane Voigt (DLR), Armin Sorooshian, Rich Moore
- 11:20 – 13:00** **Discussion and potential Breakout-Groups**

Online meeting rules:

- Please clearly indicate your Name, Surname + Subproject → *Jane Doe, A01*
Click “Teilnehmer” → “Mehr” → “Name ändern”
- Mute your microphone when you are not speaking.

- To help new **(AC)³** people to get to know each other, please start your video when you are speaking.
- If you would have questions or comments, please use the Zoom function “Hand heben” (“Raise your hand”). We would than go through the list. You may also use the “Private Chat” function, to specifically ask a question to somebody.

Meeting Access

Thema: (AC)³ ACLOUD / AFLUX / MOSAiC-ACA Data meeting

Uhrzeit: 3.Dez.2020 01:00 PM Amsterdam, Berlin, Rom, Stockholm, Wien

Zoom-Meeting beitreten

<https://uni-leipzig.zoom.us/j/84025669461?pwd=R1d3WE1abVBQTct2YTVXVzdvOHJIUT09>

Meeting-ID: 840 2566 9461

Kenncode: 415801

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Ortseinwahl suchen: <https://uni-leipzig.zoom.us/j/kCPofzfK5>

Über Skype for Business beitreten

<https://uni-leipzig.zoom.us/skype/84025669461>