



ACLOUD Meeting

21–22 November 2016

Meeting Room U1050, IUP Building NW1

Institut für Umweltphysik, Universität Bremen

Otto-Hahn-Allee 1, Bremen

Monday, 21 November 2016

- 13.00 A. Ehrlich/C. Lüpkes Introduction and current status of ACLOUD
- 13:15 M. Gehrman et al. Status of Polar 5/6 aircrafts
(general schedule for 2017)
- 13:30 **Status of Polar 5 preparation**
- Report on integration of new instrumentation
 - MiRAC (M. Mech, L. Dirks)
 - Eagle/HAWK (E. Jäkel, M. Schäfer)
 - Nose Boom (C. Lüpkes)
 - any other instrumental issues?
 - Upcoming schedule 2017
- 14:00 **Status of Polar 6 preparation**
- Report on test integration of aerosol instruments July 2016
 - Inlet positioning, tubing, cabin layout (J. Schneider, H. Bozem,.)
 - CVI (S. Mertes)
 - Cloud probe configuration (LaMP replacing IPA)
 - Upcoming schedule 2017
- 14:30-15:00 Coffee break**
- 15:00 **Logistics for ACLOUD**
- a) Shipments of equipment; custom requirements;
 - b) Local facilities in Longyearbyen (S. Henkel)
 - Nybyen Guestrooms
 - UNIS (Offices, Meeting room)
 - Airport (Offices, Airport Access,...)
 - Rental Cars
 - Communication, participation lists...
 - c) Formal requirements: Sea survival, AWI Arctic insurance, health declaration, polar bear protection, research licenses, flight permissions, etc.

Scientific Discussion, Flight Pattern

16:00 A. Ehrlich/C. Lüpkes **General Idea and proposed flight pattern**

16:15 Science: Relevant new findings that may help to refine our planning (???)

Each group/instrument:

1 slide = scientific goal

1 slide = instrument (operation, calibration,...)

1-2 slide = flight pattern requirements

16:35 J. Stapf

P5: SMART + Broadband radiation

16:40 E. Ruiz

P5: Eagle/Hawk + cloud remote sensing

16:45 T. Donth

P5: Eagle/Hawk + snow and sea ice

16:50 M. Mech

P5: MIRAC

16:55 R. Neuber

P5: AMALi

17:00 C. Lüpkes

P5/P6: Nose booms

...discussion: definition of flight pattern segments for Polar 5

19:30 Joint Dinner at Schüttlinger Gasthausbrauerei

Tuesday, 22. November 2016

Each group/instrument:	1 slide = scientific goal
	1 slide = instrument (operation, calibration,...)
	1-2 slide = flight pattern requirements
08:30	S. Mertes P6: CVI + aerosol instrumentation
08:35	J. Schneider P6: AMS/ALABAMA
08:40	D. Kalmbach P6: SP2, UHSAS
08:45	H. Bozen P6: CO/CO2 and Polar Dome
08:50	O. Jourdan P6: PIP, 2DS, FCDP
08:55	M. Schnaiter P6: SID3 + PHIPS

...discussion: definition of flight pattern segments for Polar 6

...discussion: definition of joint flight pattern segments for Polar 5&6

09:30 Satellite remote sensing (L. Lelli, G. Heygsters)

09:45-10:15 Coffee break

10:15 Activities on and Coordination with Polarstern (????)

10:30 Activities in and Coordination with Ny Ålesund (K. Ebell)

10:45 Discussion

11:00 Miscellaneous

- a) Meteorological support + Satellite images for ACLOUD
- b) Cross-cutting activities (Input from/for modelling projects)
- c) Overlap with other research activities in the Arctic
- d) Science: what has been done already? (E. Ruiz, A. Ehrlich,... ???)
- e) Data policy, Website, mailing-list
- f) Next meeting? = (AC)³ conference in Bremen

13:00 Lunch and end.

Comments:

The individual contributions on Day 1 have no fixed time slot. I suggest that I collect all potential slides in advance so we can freely switch to what is needed in the discussion

The individual contributions on Day 2 should be short as we already introduced the instrumentation during the Kick-Off meeting in March.