

# Workshop on Airborne Activities in the Arctic: Science and Prospects

5 - 6 October 2017 | Leipzig | Germany

## Part I (Morning of 5 Oct, Thursday) – Scientific needs for airborne research in the Arctic

09:00 – 09:10 Welcome

### (a) Introduction

09:10 – 09:30	<i>H. F. Goessling</i>	YOPP perspectives on aircraft campaigns
09:30 – 09:45	<i>M. Shupe</i>	The role of airborne measurements during MOSAiC
09:45 – 10:00	<i>M. Wendisch; A. Herber; C. Lüpkes; U. Nixdorf</i>	(AC) <sup>3</sup> airborne activities
10:00 – 10:30	Coffee break	

### (b) Airborne science topics and aircraft operation during MOSAiC

10:30 – 10:45	<i>M. Wendisch, A. Herber</i>	Overview
10:45 – 11:00	<i>C. Lüpkes, T. Vihma</i>	Arctic Boundary Layer
11:00 – 11:15	<i>H. Bozem, R. Holzinger</i>	Greenhouse Gases and VOCs
11:15 – 11:30	<i>M. Zanatta, M. Gysel</i>	Aerosol and Black Carbon
11:30 – 11:45	<i>A. Ehrlich, A. Schwarzenboeck</i>	Clouds and Radiation
11:45 – 12:00	<i>S. Hendricks, S. Gerland</i>	Sea Ice and Snow Thickness
12:00 – 12:15	<i>I. Tegen, K. Law</i>	Polar Transport and Dynamics

12:15 – 13:30 Lunch break

## Part II (Afternoon of 5 Oct, Thursday) – Specific plans for airborne campaigns

13:30 – 13:40	<i>A. Herber</i>	Polar 5&6 during MOSAiC
13:40 – 13:50	<i>Ch. Lüpkes</i>	AFLUX
13:50 – 14:00	<i>A. Herber</i>	PAMARCMiP
14:00 – 14:10	<i>Ch. Voigt</i>	CIRRUS-HL
14:10 – 14:20	<i>M. Wendisch</i>	HALO-(AC) <sup>3</sup>
14:20 – 14:30	<i>H. Bozem</i>	LC
14:30 – 14:40	<i>B.-M. Sinnhuber</i>	HALO POLSTRACC
14:40 – 14:50	<i>K. Law</i>	PACES
14:50 – 15:00	<i>T. Lachlan-Cope</i>	IGP
15:00 – 15:30	Coffee break	
15:30 – 15:40	<i>G. Birnbaum</i>	MELTEX/TIFAX
15:40 – 15:50	<i>M. Strunin</i>	Yak-42D aircraft-laboratory
15:50 – 16:00	<i>P. Taylor</i>	Arctic IMPACT
16:00 – 16:10	<i>S. Gerland</i>	NPI/AWI plans for 2018
16:10 – 16:20	<i>N. Kurtz</i>	NASA Operation Ice Bridge project
16:20 – 16:30	<i>B. Belan, M. Arshinov</i>	Optik Tu-134 aircraft laboratory
16:30 – 16:40	<i>J. Intrieri</i>	GlobalArcher
16:40 – 16:50	<i>B. Geerts</i>	CAESAR (via WebEx)
16:50 – 17:00	<i>J. Doyle</i>	U.S. THINICE program (via WebEx)

## Part III (Morning of 6 Oct, Friday) – Discussion and suggestions for coordination

09:00 – 12:30	Open discussion
10:30 – 11:00	Coffee break
12:30 – 13:00	Closing remarks

**LOCATION:** Bibliotheca Albertina, Beethovenstr. 6, 04107 Leipzig

<https://www.ub.uni-leipzig.de/locations/bibliotheca-albertina/?L=1>

### FURTHER INFORMATION & UPDATES:

<http://www.ac3-tr.de/meeting/5-6-october-workshop-airborne-activities-in-the-arctic-science-and-prospects/>

In addition an **Advanced Training Module (ATM)** of our **Graduate School** for PhD students will take place at the same location on **4 October 2017**. Everybody is welcome.

<http://www.ac3-tr.de/meeting/4-october-atm-polar-mid-latitude-linkages-caused-by-arctic-amplification/>