

Breakout Session Report
ARM/ASR User and PI Meeting
March 16-20, 2015

Session Title: Multi-disciplinary drifting Observatory for the Study of Arctic Climate (MOSAiC)

Session Date: Tuesday, March 17, 2015

Session Time: 7:30pm

Summary Authors: Matthew Shupe

Description

This session will include an overview of the future MOSAiC project in the central Arctic ice pack. Informal discussions will aim to engage broader scientific input and explore ideas for maximizing scientific benefit.

Main Discussion

The main objective of this session was to provide an overview of the Multi-disciplinary drifting Observatory for the Study of Arctic Climate (MOSAiC) project for the ASR and ARM communities. For many attendees this was the first opportunity to learn about the specific project details. An overview presentation was provided by the PI M. Shupe that summarized the primary science drivers for the project, the design of the international and interdisciplinary project, and the specific aspects that are relevant for the ARM contribution. Science topics were each discussed, along with some details about how these will be addressed using ARM measurements. This overview was followed by an open session for questions and discussion. Discussion covered a number of topics, including: coordination and organization of aircraft observations; relation of MOSAiC to prior Arctic observing activities; how to integrate observations with modeling activities; distributed measurements that are desired and needed; international coordination of observational resources; means for participation; status of US funding; and other topics.

Decisions, Future Plans, and Action Items

Matthew Shupe will seek to clarify potential funding avenues for future MOSAiC scientific analysis (i.e., via NSF programs), and publicize this with the ARM/ASR community.