

## Ice Bridge Science Team Meeting

September 27, 2010

### Agenda

0830 Welcome and Introduction (M. Studinger)

0840 IceBridge Program overview (Tom Wagner)

Project Goals, Organization and Functional Relationships

0900 ICESat Project Summary – Zwally, Markus, Neumann

IceBridge contributions to ICESat1/2 science, planning and links to Cryosat

0930 Science team: Objectives, Responsibilities and Terms-of-Reference (Jezek and Richter Menge)

0945 Brief presentation (one slide) by each science team member as per their proposal:

1) year 1 contributions to project

2) longer term research activities using Icebridge data

1030 Break

1045 Review of IceBridge Instrumentation (Studinger, Instrument team leader?)

1100 Discussion about the unique role of airborne measurements using the Icebridge instrument suite for terrestrial ice and sea ice studies. Review of the Icebridge implementation experience so far. (Koenig and Martin)

In what situations are airborne measurements the optimum choice?

How can they best be used to complement current and near future satellite instruments?

Is there sufficient coverage of critical geographic areas in the context of the icebridge mission,

1200 Working Lunch: Discuss approaches to increase broader community involvement in identifying applications and leveraging opportunities

Break out into separate sea ice and ice sheet discussion groups for:

1300 Discussion of primary science-objective priorities in the context of the unique Icebridge aircraft and instrumentation capabilities - Rignot and Kwok

Parameter focus (measure ice sheet  $dh/dt$ ; glacier ice/sea ice flux)?? and/or

Process focus (measure and model key glaciers to understand how processes at the surface, margin, and bed are driving change; sea ice ice-shelf interactions)?? and/or

Climate focus (understand the response of terrestrial and sea ice to climate forcings by providing tailored data for GCM scale modeling and sea level rise prediction)?? and/or

Operational focus (consider capacity to support short-term forecasts in support of marine shipping operations)

1400 Based on science prioritization and an assessment of optimum airborne capabilities, begin a review of the level 1 science requirements as now tabulated (Jezek and Richter Menge)

1500 Break

Reconvene entire group

1515 Brief Summary of Science Prioritization and Requirements (Richter-Menge and Jezek)

1530 List of tasks, assign responsibilities and develop a schedule for quantitatively justifying the science requirements and fulfilling project tasks. (Jezek)

1630 Review of action items (Jezek)

1700 Close