

NASA Operation IceBridge Science Team Meeting

24 January 2018

Location [Building 34](#), NASA Goddard Space Flight Center, Greenbelt, MD
W150 (joint session and land ice breakout session)
W120 (sea ice breakout session)

Goals Finalize mission plans for 2018 Arctic spring campaign for both land ice and sea ice missions, begin planning for later 2018 campaigns and review overall mission status

Participants

<i>Group</i>	<i>Members</i>
HQ	Tom Wagner
Project Science Office	Nathan Kurtz; Joe MacGregor; Eugenia De Marco; Jeremy Harbeck; Donghui Yi; Al Ivanoff; Alek Petty; Linette Boisvert
Science Team	Land ice: Eric Rignot (lead), Ben Smith, Matt Siegfried, Bea Csatho Sea ice: Ronald Kwok, Ed Blanchard-Wrigglesworth
Instrument Teams	John Sonntag, Michael Studinger, Serdar Manizade, Jim Yungel, LVIS, DMS, CReSIS, gravimeter
NSIDC	Steve Tanner
Guests	

Joint session

<i>Time</i>	<i>Length+discussion</i>	<i>Presenter</i>	<i>Topic</i>
0830	30	Jeremy Harbeck	Guest arrival, coffee, setup, load presentations
0900	5	Nathan Kurtz Eric Rignot	Welcome and announcements
0905	10+10	Tom Wagner	Comments and direction from HQ
0925	15+10	Eric Rignot Nathan Kurtz Joe MacGregor	Preparing for ICESat-2 and OIB completion: Science achievements relative to original OIB goals
0950	20+10	Nathan Kurtz Joe MacGregor Eugenia De Marco	Comments and direction from PSO, including 2017 Antarctic campaigns summary, aircraft status, long-term plans and upcoming challenges, 2018 outlook
1010	10+5	Michael Studinger	ATM elevation products, accomplishments and plans (incl. processing/data delivery)
1025	10+5	Carl Leuschen John Paden	CReSIS radar products, accomplishments and plans (incl. processing/data delivery)
1040	20		Break
1100	10+5	Kirsty Tinto	iMAR/DgS gravity update, gravity products, accomplishments and plans (incl. processing/data delivery)
1115	10+5	Beyers	DMS Terrain for Operation IceBridge (incl. processing/data delivery)

1130	10+5	Larsen	OIB Alaska Update and Basler campaign summary
1145	10	Steve Tanner	NSIDC status report
1155	40	Science team (all)	1-slider individual science status 6 x 5+2
1235	10	Jefferson Beck	Outreach, accomplishments and plans
1245	45		Lunch
1330	240		Land ice and sea ice breakout sessions
1800			Dinner at local restaurant

Land ice breakout session

<i>Time</i>	<i>Length</i>	<i>Presenter</i>	<i>Topic</i>
1330	30	John Sonntag	2018 Arctic spring P-3 land ice mission plans
1400	90	OIB PSO and land ice science team only	Finalize 2018 Arctic spring P-3 land ice mission plans
1530	15		Break
1545	10+5	Tyler Sutterley	Science Presentation: summer-winter dh/dt
1600	10+5	Brooke Medley	Science Presentation: Snow/accumulation
1615	10+5	Susheel Adusumilli	Science Presentation: Basal melt rates of Antarctic Peninsula ice shelves from altimetry data
1630	10+5	Ben Smith	OIB and ICESat-2
1645	45	Eric Rignot	Future Campaigns for 2018, 2019, 2020
1730			Adjourn

Sea ice breakout session

<i>Time</i>	<i>Length</i>	<i>Presenter</i>	<i>Topic</i>
1330	15	Ed Blanchard-Wrigglesworth	OIB, snow reconstructions and seasonal ice forecasts
1345	15	Ron Kwok	OIB observations and ICESat-2 thickness retrievals
1400	15	Hongjie Xie	Sea ice freeboard and thickness retrievals from IceBridge ATM L1B and L2 data, Ross Sea campaign
1415	15	Donghui Yi	Comparing elevation and freeboard from IceBridge and five different CryoSat-2 retracers for coincident sea ice observations
1430	10	Nathan Kurtz	ICEX collaboration
1440	10	Larry Connor	Sentinel-3A and Sentinel 3B underflights
1450	20	Ron Kwok	MOSAIC and OIB collaboration discussion
1510	20		Break
1530	75	OIB PSO and sea ice science team only	Finalize 2018 Arctic spring P-3 sea ice mission plans
		John Sonntag	2018 Arctic spring P-3 sea ice mission plans
1645			Adjourn