

PARCA/OIB Science Team Meeting: Land Ice
28-30 January 2014, Goddard Space Flight Center, Greenbelt, MD

Tues., 28 Jan: *PARCA Meeting (full agenda to be provided by Charles Webb)*

Weds. 29 Jan: *IceBridge Land Ice Open Science Meeting*

Objective: Review and advance the status of OIB Land Ice Products

List of Talks (time of talks indicated in parenthesis, add 5 minutes of discussion each = 4.5 hours + break + lunch)

Start time: 8:30 am

1. **Operation IceBridge Alaska: Expansion of Program Leading to Refined Understanding of Regional Mass Changes** *Evan Burgess, University of Alaska Fairbanks (10 min)*
2. **GLISTIN Greenland and Alaska**, *Delwyn Moller, JPL and Remote Sensing Sys. (15 min)*
3. **Planned targeted aerogeophysics on the Canadian Ice Caps** *Duncan Young, University of Texas at Austin (10 min)*
4. **OIB draft flight plan for Greenland 2014**, *John Sonntag, NASA GSFC, Eric Rignot, UCI (10 min)*
5. **Update on ICESat-2** *Tom Neumann, NASA Goddard Space Flight Center (15 min)*
6. **Update on Operation IceBridge** *Michael Studinger, NASA Goddard Space Flight Center (10 min)*
7. **IceBridge Photogrammetric Digital Surface Model** *John Arvesen, Cirrus Digital Systems (10 min)*
8. **OIB/ATM dhdt products**, *William Krabill, NASA Wallops (15 min)*
9. **IceBridge Bedmapping of Glaciers in Greenland and Antarctica** *Xiaoqing Wu, Jet Propulsion Laboratory (15 min)*
10. **OIB/Cresis Products: recent results, updates**, *John Paden, University of Kansas, CRESIS (15 min)*
11. **Ice sheets in 3D: how to go forward**, *Joe MacGreggor, UTIG (10 min)*
12. **Snow radar versus accumulation radar**, *Brooke Medley, NASA GSFC (15 min)*
13. **Progress on snow accumulation from snow radar and accumulation radar**, *Lora Koenig, NASA GSFC (15 min)*
14. **Review of OIB bathymetry products**, *Kristy Tinto, LDEO (15 min)*
15. **OIB bed machine Greenland**, *Mathieu Morlighem, UCI (15 min)*
16. **OIB Greenland seasonal measurements**, *Ben Smith, APL, Mark Fahnestock, UAF (10 min)*
17. **MeASUREs ice motion products Greenland**, *Ian Joughin, APL (15 min)*
18. **LVIS processing and change detection**, *Ben Smith, APL (10 min)*

Breakout sessions: (early pm) (Charles Web, Thomas Wagner, Moderators)

- Air-dropped ice penetrators
- Greenland hydrology network

Thurs. 30 Jan: *OIB Sea Ice Science Team Meeting (team members and invited attendees only)*

Joint session of land ice and sea ice teams

0830 Guidance from HQ to OIB Science Team (Wagner, Studinger)

OIB Programmatic status, Independent review, Greenland deployments (#hours, time of year, etc)

0900 NSIDC: New format and metgen processes for data delivery (Steve Tanner)

Product format and metadata update, availability of data, scheduling, turnaround time, documentation, missings. Problems encountered by science users, instrument teams, and NSIDC staff. Do we need a formal list of product delivery? Do we need to have specifications and requirements signed off by the various partners?

Break out: Land ice team

10:00 Prioritize flight lines for Greenland 2014 (John Sonntag)

12:00 Lunch

13:00 Finalize mission planning for Greenland

14:00 OIB ST Tasking –External Review – Wrap up

OIB external review – results, Ian Howat (10 min + 5 min questions)

OIB ST tasking: Identification of ST member task based on their proposal, including science leads per instrument/product such as ICESat-2, Cryosat, bathymetry, bed mapping, DEM, ice sheet model products, snow radar, ice thickness, etc.

Action items/Wrap up:

Future plans for Greenland and Antarctica

High level products

Science results

Outstanding issues.

15:00 End of Meeting