

ANTARCTIC 2012 SCIENCE TEAM MEETING AGENDA - RevA

WEDNESDAY, JUNE 20

TIME	JOINT SESSION (OSB, Room 425) Telecon Info: phone: 1-866-772-8940 (toll free), Passcode: 6704659
8:30	<p>Meeting Introduction</p> <ul style="list-style-type: none"> • Speakers: Tom Wagner, Michael Studinger, Ben Smith • Participants: All teams <p>Guidance and Status from HQ</p> <ul style="list-style-type: none"> • Speakers: Tom Wagner, Michael Studinger, Ben Smith • Participants: All teams <p>Review of 2012 Arctic campaign</p> <ul style="list-style-type: none"> • Speakers: Michael Studinger • Participants: All teams
9:30	<p>ICESat 2 and Mabel Status</p> <ul style="list-style-type: none"> • Speakers: Thorsten Markus, Tom Neumann • Participants: All teams
10:00	Break
10:10	<p>Instrument Capabilities and Performance</p> <ul style="list-style-type: none"> • Intro Speaker: Michael Studinger • Presenters: All teams: ATM, LVIS, Radar (Snow, KU, MCoRDS, Accum), Gravity, Magnetics, DMS, UTIG, UAF, CULIPS <p><u>Objective:</u> Move toward having a document for each instrument that describes the measurement theory, data processing, and instrumental accuracy</p> <p><u>Approach:</u> Short (10 minute) talks from each instrument group describing instrument performance and how that performance is assessed, to include:</p> <ol style="list-style-type: none"> 1. Instrument performance 2. Parameters that determine product accuracy 3. Plans for validation and cross-checks between instruments <p><u>Note:</u> Refer to the following documentation for guidance:</p> <ol style="list-style-type: none"> 1. NASA Technical Report by ATM 2. Project Scientist Instrument Summit Report <p style="text-align: center;">Close with Discussion of Forward Plan --- Studinger to Lead</p>
12:00	Lunch
13:15	Instrument Capabilities and Performance - continued

WEDNESDAY, JUNE 20 – cont

Teams Split Up:

LAND ICE TEAM (OSB, Rm. 425) Telecon Info: phone:1-866-700-5335, Passcode: 3840974			SEA ICE TEAM (OSB, Rm. 410) Telecon Info: phone: 1-866-772-8940 (toll free), Passcode: 6704659		
TIME	TOPIC	PARTICIPANTS	TIME	TOPIC	PARTICIPANTS
1430	2012 Antarctic Planning <ul style="list-style-type: none"> Summarize collected mission plans Identify gaps / additional missions needed Assign preliminary priorities 	Lead: Ben Participants: Sonntag, Hofton, Duncan Young, Instrument Teams, Land Ice team	1430	Review accomplishments of 2012 Arctic sea ice campaign, look ahead to 2013: <ul style="list-style-type: none"> Increased coverage Coordinated campaigns <ul style="list-style-type: none"> ESA: CryoSat and CroVEx SAMS: Qaanaaq Fjord BROMEX Thule Lidar survey: Status Quicklook product in support of seasonal ice predictions (Kurtz, Kaminski) Sea ice prediction for 2012 using quicklook product (Lindsay) Review status and usage of the sea ice community products posted by NSIDC <ul style="list-style-type: none"> Establish prioritized plan for completing archive, including timeline 	Lead: Jackie Participants: Sea Ice team and NSIDC Lead: Jackie Participants: Kaminski, Kurtz
18:30	Dinner at Seelye's House 5217 NE 43rd Street 206-523-2863 Transport to be arranged at meeting.		18:30	Dinner at Seelye's House 5217 NE 43rd Street 206-523-2863 Transport to be arranged at meeting.	

THURSDAY, JUNE 21

TIME	JOINT SESSION (OSB, Room 425) Telecon Info: phone: 1-866-772-8940 (toll free), Passcode: 6704659
8:30	<p>Global Hawk: Dream plans for Arctic operation Speakers:</p> <ul style="list-style-type: none"> • Speakers: Tom Wagner, Ron Kwok, Bryan Blair, Delwyn • Participants: All teams <p><u>Objective:</u> Initiate effort to develop a set of plans (due in 6 months) for use of the Global Hawk; address where we are headed. Over next year, do some flight line planning.</p> <p><u>Assumptions:</u> 15 flight lines out of Dryden and 15 more out of Wallops; measurements: assume 1) some form of lidar, 2) Some form of mapping radar that can produce altimetry information over a larger foot print, and 3) possibly a snow radar; timing: some trial flights in the coming fall and spring, with real time availability by 2014-15</p>

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TIME	TOPIC	PARTICIPANTS	TIME	TOPIC	PARTICIPANTS
9:30	<p>2012 Antarctic Planning - cont</p> <ul style="list-style-type: none"> • Summarize collected mission plans • Identify gaps / additional missions needed • Assign preliminary priorities 	<p>Lead: Ben</p> <p>Participants: Sonntag, Hofton, Duncan Young, Instrument Teams, Land Ice team</p>	9:30	<p>Sea Ice Global Hawk Planning & OIB Outyears: Future directions for IceBridge:</p> <p>Continue discussions on future observational requirements:</p> <ol style="list-style-type: none"> 1. Continue discussions regarding the use of Unmanned Autonomous Systems <ul style="list-style-type: none"> • CULPIS-X Package & MIZOPEX (Tschudi) • Global Hawk 2. Increase spatial and temporal coverage: Priorities 3. Continued contribute to seasonal projections (e.g. NOAA Sea Ice Outlook) 4. Surface conditions (melt pond 	<p>Lead: Jackie (need Tom Wagner to support)</p> <p>Participants: Sea Ice Team, Delwyn</p>

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TIME	TOPIC	PARTICIPANTS	TIME	TOPIC	PARTICIPANTS
				development, albedo, etc.) Feasibility of overlapping early Global Hawk G Hawk flights overlap with conventional OIB flights in the Arctic (McAdoo) Others?	
1200	Lunch		1200	Lunch	
13:15	Long-term planning: OIB outyears <ul style="list-style-type: none"> • Progress toward UAS-based measurements • Targets for 2013 flights from McM • Global Hawk dream plans 	Lead: Ben Participants: Michael, Land Ice team	13:15	Draft and prioritize flight lines for 2012 Antarctic campaign <ul style="list-style-type: none"> • Review and amend historic lines • Outline possible coordinated flights with LVIS 	Lead: Jackie Participants: Sonntag, Hofton, Instrument Teams, Sea Ice team
14:30	ICESat-OIB data continuity discussion <ul style="list-style-type: none"> • Status of between-mission altimetry continuity • Plans for cross calibration • New measurement requirements 	Lead: Ben Participants: IceSat 2 (Tom Neumann, Thorsten, Bea), Land Ice Team, , Tom Wagner, Land Ice team	15:00	Instrument Performance: Metrics and Documentation <ul style="list-style-type: none"> • Discuss detailed plan from Instrument Summit discussion as pertains to Sea Ice needs 	Lead: Jackie Participants: Instrument Teams and Sea Ice Teams
17:00	End Of Day		17:00	End of Day	

FRIDAY, JUNE 22

LAND ICE TEAM (OSB, Rm. 425) Telecon Info: phone:1-866-700-5335, Passcode: 3840974			SEA ICE TEAM (OSB, Rm. 410) Telecon Info: phone: 1-866-772-8940 (toll free), Passcode: 6704659		
TIME	TOPIC	PARTICIPANTS	TIME	TOPIC	PARTICIPANTS
8:30	Mission Planning Wrap Up <ul style="list-style-type: none"> • View combined missions & priorities • Fine tune priority list • Attend to unfinished business 	Lead: Ben Participants: Sonntag, Hofton, Instrument Team, Land Ice team	8:30	Attend to Unfinished Business	Sea Ice Team only
12:00	Adjourn		12:00	Adjourn	

