

## R/V Sikuliaq Sea State POD: 8 Oct 2015

Overview: conducting quick additional ice stations in vicinity of first ice station

Ice forecast: new ice filling in between floes

Wave forecast: negligible

Met forecast: continued easterly winds, as part of a persistent high

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	underway (max 4 knts) in vicinity of 75 24' 156 11' searching for suitable floes SSE of ice station #1	ice obs UCTD (hourly) radiosonde balloon (03:30) SIMS (port crane)  ice selection: more than 10 nm, but less than 20 nm away from station #1	Lund Thomson Guest Weissling  Ackley, Maksym, Thomson,
04:00-08:00	"	ice obs UCTD (hourly) SIMS (port crane)	Rogers deKlerk Weissling
08:00-12:00	ice station #2 (man-basket to medium floe from stb side) head-to-wind	ice obs UCTD (hourly) radiosonde balloon (09:30) SIMB prep Ice staion: Safety check EMI & snow survey Drilling & Cores UAS survey SIMS calibration	Kohout Smith Guest Talbert & deKlerk man-baskets: 1. Ethan & Stammerjohn 2. Weissling & Maksym 3. Guy & TBD crew  Weissling
12:00-16:00	ice station #2 continues, get underway to select next station	ice obs UCTD (hourly) radiosonde balloon (15:30) IMB deployment	Shen deKlerk Guest Maksym
16:00-20:00	ice station #3 (man-basket from stb side over thick nilas)	ice obs UCTD (hourly) SIMS (port crane) SIMB deployment & core  PLANNING MTG (18:15)	Holt Stammerjohn Weissling Maksym & Ethan  ALL
20:00-00:00	begin transit 4 knts max to east facing ice edge	ice obs UCTD (hourly) radiosonde balloon (21:30) SIMS (port crane)	Clancy Talbert Guest Weissling

### Notes:

1. Ice stations #2 should be a man-basket operation of about 4 hours on a medium floe within 20 km of ice station #1. Ice station #3 will be over a nilas sheet, working entirely from the man-basket, if necessary.

R/V Sikuliaq Sea State POD: 9 Oct 2015 (day + 1)

Overview: in transit to east facing ice edge

Ice forecast: new ice filling in between floes

Wave forecast: negligible

Met forecast: continued easterly winds, as part of a persistent high

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	in transit, max <b>4 knts</b> heading 85 nm southeast to the east-facing ice edge around <b>73°27.808'N</b> <b>150°15.514'W</b>	ice obs UCTD (hourly) radiosonde balloon (03:30) SIMS (port crane)	Rogers Stammerjohn Guest Weissling
04:00-08:00	"	ice obs UCTD (hourly) SIMS (port crane)	Kohout Smith Weissling
08:00-12:00	"	ice obs UCTD (hourly) radiosonde balloon (09:30)	Holt deKlerk Guest
12:00-16:00	"	ice obs UCTD (hourly) radiosonde balloon (15:30)	Shen Stammerjon Guest
16:00-20:00	arrive ice edge, exact position TBD	ice obs UCTD (hourly) SIMS (port crane) survey with Rutter radar PLANNING MTG (18:15)	Clancy Talbert Weissling Lund ALL
20:00-00:00	"	ice obs UCTD (hourly) radiosonde balloon (21:30) Buoy deployments and head to wind stations, inbound from outside of ice	Lund Smith Guest Thomson, Doble, Kohout

Notes:

1. Upon arriving at the ice edge, goal is to deploy an array or line of buoys ahead of a modest wave event from north-easterly winds on 10 and 11 Oct. The array/line will go from a few km outside of the ice (in open water) to a few km in the ice.
2. Goal is to maintain position and several stations in and out of ice edge for 5-7 days (including additional ice stations), such targeting of remote sensing can be successful and a variety of conditions are measured. The buoys can be out the whole time, with occasional repositioning.

R/V Sikuliaq Sea State POD: 10 Oct 2015 (day + 2)

Overview: deploying buoys thru ice edge, then AUV survey

Ice forecast: new ice filling in between floes

Wave forecast: modest waves from NE

Met forecast: building N-NE winds

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	east-facing ice edge around <b>73°27.808'N</b> <b>150°15.514'W</b>	ice obs UCTD (hourly) radiosonde balloon (03:30) Buoy deployments and head to wind stations, inbound from outside of ice	Kohout deKlerk Guest Thomson, Doble, Kohout
04:00-08:00	"	ice obs UCTD (hourly) Buoy deployments and head to wind stations, inbound from outside of ice	Holt Stammerjon Thomson, Doble, Kohout
08:00-12:00	setting up for an ice station inside of ice edge	ice obs UCTD (hourly) radiosonde balloon (09:30) AUV with ship-based LBL	Clancy Talbert Guest Maksym et al
12:00-16:00	ice station #4, just inside ice edge	ice obs UCTD (hourly) radiosonde balloon (15:30) AUV with ship-based LBL	Shen Smith Guest Maksym et al
16:00-20:00	ice station #4, just inside ice edge	ice obs UCTD (hourly) SIMS (port crane) AUV with ship-based LBL LIDAR (ship-based?)  PLANNING MTG (18:15)	Lund deKlerk Weissling Maksym et al Wesiling  ALL
20:00-00:00	"	ice obs UCTD (hourly) radiosonde balloon (21:30) reposition buoys	Rogers Stammerjohn Guest Thomson, Doble, Kohout

Notes:

1. Goal is to get all the buoys out, then set up an ice station nearby (for daylight ops) inside the ice while waves build outside. Once the ice station is complete, including 8 hrs for AUV ops, the ship can head back out along the line of buoys to reset any buoys out of alignment.