

R/V Sikuliaq Sea State POD: 9 Oct 2015

Overview: in transit to east facing ice edge

Ice forecast: new ice filling in between floes

Wave forecast: negligible

Met forecast: northerly winds

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	in transit, southeast to the east-facing ice edge around 73°25.705'N - 149°58.241'W	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) SIMS calibration (timing TBD, 1 hr station, port crane ops, manbasket)	Holt deKlerk Guest Weissling
12:00-16:00	"	ice obs UCTD (hourly) radiosonde balloon (15:30) mobile LIDAR testing	Shen Stammerjon Guest Weissling, Talbert, deKlerk
16:00-20:00	arrive ice edge, exact position TBD	ice obs UCTD (hourly) SIMS (port crane) survey into ice edge (from offshore) with radar PLANNING MTG (18:15)	Clancy Talbert Weissling Wave team ALL
20:00-00:00	just inside ice edge	ice obs UCTD (hourly) radiosonde balloon (21:30) setup for AUV survey	Lund Smith Guest Maksym et al

Notes:

1. Upon arriving at the ice edge, goal is to survey the ice edge and establish a baseline prior to the storm. Then, deploy an array of buoys ahead of a modest wave event from easterly winds on 11 and 12 Oct. The array/line will go from about 10 km outside of the ice (in open water) to a few km in the ice.

R/V Sikuliaq Sea State POD: 10 Oct 2015 (day + 1)

Overview: deploying buoys thru ice edge, then AUV survey

Ice forecast: new ice filling in between floes

Wave forecast: calm, then building to 1 m from NE late in the day

Met forecast: building N-NE winds. Cold

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	east-facing ice edge around 73°25.705'N 149°58.241'W	ice obs UCTD (hourly) radiosonde balloon (03:30) AUV survey with ship-based LBL	Kohout deKlerk Guest Maksym et al
04:00-08:00		ice obs UCTD (hourly) complete AUV survey LIDAR (ship-based?)	Holt Stammerjon Maksym et al Weissling
08:00-12:00	outbound from inside ice edge	ice obs UCTD (hourly) radiosonde balloon (09:30) SIMS (port crane) Buoy deployments and head to wind stations, some buoys via man-basket	Clancy Talbert Guest Weissling Wave team
12:00-16:00	ice edge	ice obs UCTD (hourly) radiosonde balloon (15:30) SIMS (port crane) Buoy deployments and head to wind stations, some buoys via man-basket	Shen Smith Guest Weissling Wave team
16:00-20:00	open water beyond ice edge	ice obs UCTD (hourly) SIMS (port crane) PLANNING MTG (18:15)	Lund deKlerk Weissling ALL
20:00-00:00	head to wind just off ice edge	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 hold station head-to-wind by the ice edge.

R/V Sikuliaq Sea State POD: 11 Oct 2015 (day + 2)

Overview: deploying buoys thru ice edge, then AUV survey

Ice forecast: new ice filling in between floes

Wave forecast: building to 3 m from E at 7 s by peak of storm

Met forecast: 25-30 knts easterly, maybe SE. Cold.

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	east-facing ice edge around 73°25.705'N 149°58.241'W	ice obs UCTD (hourly) radiosonde balloon (03:30)	Kohout deKlerk Guest
04:00-08:00	head to wind just off ice edge	ice obs UCTD (hourly)	Holt Stammerjon
08:00-12:00	head to wind just off ice edge	ice obs UCTD (hourly) radiosonde balloon (09:30) reposition buoys	Clancy Talbert Guest Wave team
12:00-16:00	open water infront of ice edge	ice obs UCTD (hourly) radiosonde balloon (15:30) reposition buoys	Shen Smith Guest Wave team
16:00-20:00	transect across ice edge	ice obs UCTD (hourly) SIMS (port crane) PLANNING MTG (18:15)	Lund deKlerk Weissling ALL
20:00-00:00	head to wind just off ice edge	ice obs UCTD (hourly) radiosonde balloon (21:30)	Rogers Stammerjohn Guest

Notes:

1. Buoys in open water will be pushed towards ice edge and need to be repositioned, as conditions permit
2. Storm is expected to last thru the end of 12 Oct. We will stay on station another two days after the storm passes, to recover buoys and to resurvey the ice.