

## R/V Sikuliaq Sea State POD: 18 Oct 2015

Overview: buoy recoveries, then flux stations northwards

Ice forecast: pancakes and new ice, big floes to the north

Wave forecast: possible transmitted easterly swell

Met forecast: 8-10 m/s northerlies

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	<b>Vicinity</b> 73°48'N, 161° 24' W	ice obs UCTD (continuous) radiosonde balloon (03:30) SIMS (port crane) buoy recoveries	Lund deKlerk Guest Weissling wave teams
04:00-08:00	wait by last buoy (SWIFT 15)	ice obs UCTD (continuous) SIMS (port crane) buoy recoveries	Rogers Stammerjohn Weissling wave teams
08:00-12:00	10:00 start Flux stations (head to wind for 1 hour) every 6 nm from 74°00'N, 163° 11' W to 74°38'N, 163° 11' W 4 knts between stations	ice obs UCTD (continuous) radiosonde balloon (09:30) stereo wave cams  deploy and recover a SWIFT at some stations?	Kohout Talbert Guest Smith
12:00-16:00	"	ice obs UCTD (continuous) radiosonde balloon (15:30) stereo wave cams	Shen Smith Guest Smith
16:00-20:00	"	ice obs UCTD (continuous) SIMS (port crane) <b>** calibration? **</b> PLANNING MTG (20:00)	Holt deKlerk Weissling  ALL
20:00-00:00	"	ice obs UCTD (continuous) radiosonde balloon (21:30) call w/ NRL aerial (21:00)	Clancy Stammerjon Guest Thomson

### Notes:

NRL aircraft running SAR and LIDAR lines from

73°54.387'N - 161°37.490'W to 73°02.459'N - 160°38.163'W

which spans the region we just survey overnight, including a concurrent TerraSAR-X stripmap.

R/V Sikuliaq Sea State POD: 19 Oct 2015 (day + 1)

Overview: setting up ice station #6 "Big Ben"

Ice forecast: big floes

Wave forecast: none

Met forecast: 8 m/s northerlies, dying throughout the day

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	finish flux line at 74°38'N, 163° 11' W	ice obs UCTD (hourly) radiosonde balloon (03:30) SIMS (port crane)	Rogers Talbert Guest Weissling
04:00-08:00	search for floe to conduct large ice station	ice obs UCTD (hourly) SIMS (port crane) parking search	Kohout Smith Weissling Thomson & Ackley
08:00-12:00	large floe near 74°38'N, 163° 11' W (port side tie)	ice obs UCTD (hourly) radiosonde balloon (09:30) set up ice station	Holt deKlerk Guest Ship's crew
12:00-16:00	"	ice obs UCTD (hourly) radiosonde balloon (15:30) LBL & LIDAR targets UAS survey	Shen <del>Stammerjohn</del> Thomson Guest Maksym & Weissling Williams
16:00-20:00	"	ice obs UCTD (hourly) LIDAR survey AUV survey PLANNING MTG (20:00)	Clancy Talbert Weissling Maksym & Anderson ALL
20:00-00:00	"	ice obs UCTD (hourly) radiosonde balloon (21:30) AUV survey call w/ NRL aerial (21:00)	Lund Smith Guest Maksym & Anderson Thomson

Notes:

1. Lay over day for joint operations with NRL aircraft.

R/V Sikuliaq Sea State POD: 20 Oct 2015 (day + 2)

Overview: continue ice station #6 “Big Ben”, moving to another station?

Ice forecast: big floes

Wave forecast: none

Met forecast: light winds

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	large floe near 74°38'N, 163° 11' W (port side tie)	ice obs UCTD (hourly) radiosonde balloon (03:30) finishing AUV survey	Kohout deKlerk Guest Maksym
04:00-08:00	“	ice obs UCTD (hourly)	Holt <del>Stammerjohn</del> Thomson
08:00-12:00	“	ice obs UCTD (hourly) radiosonde balloon (09:30) IMB deployment	Clancy Talbert Guest Maksym
12:00-16:00	“	ice obs UCTD (hourly) radiosonde balloon (15:30)	Shen Smith Guest
16:00-20:00	“	ice obs UCTD (hourly)  ** ship power test** PLANNING MTG (20:00)	Lund deKlerk  ALL
20:00-00:00	begin transit to E-W line (~ 74°10'N)	ice obs UCTD (hourly) radiosonde balloon (21:30)  call w/ NRL aerial (21:00)	Rogers <del>Stammerjohn</del> Thomson Guest  Thomson

Notes:

- Request NRL fly out (230 nm) to conduct quick SAR + LIDAR survey over ice station, understanding that time on site will be limited by the long transit. Also request a LIDAR pass over the AWAC mooring at 72°38'N, 159° 02' W, which will match a TerraSAR-X stripmap order (with wave retrieval).
- Long range plan is to come back south and re-run the east-west line to the “mixed nuts” station, conduct a repeat of that station, and then eventually survey south towards Barrow to reach the southern ice edge near the AWAC.