

## R/V Sikuliaq Sea State POD: 2 Nov 2015

Overview: clockwise race track, then ROV mission, then far southwest flux station

Ice forecast: refreezing pancakes?

Wave forecast: up to 2 m from SE (off-ice), remnant SW swell in ice

Met forecast: 20-30 knts E-SE

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	clockwise race track & flux stations (hr each) #6: 72°36'N, 158°26'W	ice obs UCTD (transit) radiosonde balloon (03:30) deploy + recover SWIFT? (station only) mobile LIDAR	Clancy Talbert Guest Thomson  Weissling
04:00-08:00	#5: 72°29'N, 158°41'W #4: 72°20'N, 158°59'W	ice obs UCTD (transit) deploy + recover SWIFT? (station only) deploy wave buoys? mobile LIDAR	Kohout Smith Thomson  Doble/Wadhams Weissling
08:00-12:00	#3: 72°26'N, 159°26'W #2: 72°35'N, 159°08'W	ice obs UCTD (transit) radiosonde balloon (09:30) deploy + recover SWIFT? (station only)	Rogers deKlerk Guest Thomson
12:00-16:00	#1: 72°42'N, 158°53'W	ice obs UCTD (transit) radiosonde balloon (15:30) ROV	Shen Stammerjohn Guest Maksym
16:00-20:00	transit at 215°T	ice obs UCTD (transit)  PLANNING MTG (20:00)	Holt Talbert  ALL
20:00-00:00	flux station at 72°12'N, 159°58'W	ice obs UCTD (transit) radiosonde balloon (21:30) deploy + recover SWIFT (1 hr TSX groundtruth)	Lund Smith Guest Thomson

### Notes:

1. Still need to calibrate radiometers on a clear day.
2. Transit speed are 3.5 knts in ice, 7 knts in open water

R/V Sikuliaq Sea State POD: 3 Nov 2015 (day+1)

Overview: partial race track fluxes, buoy recoveries

Ice forecast: refreezing pancakes?

Wave forecast: up to 1 m from SE (off-ice)

Met forecast: 15-20 knts E-SE, becoming NE

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	partial race track & flux stations (hr each)	ice obs UCTD (transit) radiosonde balloon (03:30)	Clancy deKlerk Guest
04:00-08:00	#3: 72°26'N, 159°26'W #2: 72°35'N, 159°08'W	ice obs UCTD (transit)	Kohout Stammerjohn
08:00-12:00	detours for wave buoys  #1: 72°42'N, 158°53'W	ice obs UCTD (transit) radiosonde balloon (09:30) recover buoys	Holt Talbert Guest wave teams
12:00-16:00	“	ice obs UCTD (transit) radiosonde balloon (15:30) stereo video ROV?	Shen Smith Guest Smith Maksym
16:00-20:00	#1: 72°42'N, 158°53'W #2: 72°35'N, 159°08'W #3: 72°26'N, 159°26'W	ice obs UCTD (transit) stereo video mobile LIDAR? PLANNING MTG (20:00)	Rogers deKlerk Smith Weissling ALL
20:00-00:00	transit southwest from race track on bearing 215° T, continuing UCTD until 71°00'N,	ice obs UCTD (continuous) radiosonde balloon (21:30)	Lund Stammerjohns Guest

Notes:

R/V Sikuliaq Sea State POD: 4 Nov 2015 (day+2)

Overview: transit south, underway CTD until 71°00'N

Ice forecast: refreezing pancakes?

Wave forecast: up to 1 m from SE (off-ice)

Met forecast: dying winds, warmer air temps

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	transit southwest from race track on bearing 215° T, continuing UCTD until 71°00'N,	ice obs UCTD (transit) radiosonde balloon (03:30)	Clancy Talbert Guest
04:00-08:00	"	ice obs UCTD (transit)	Kohout Smith
08:00-12:00	"	ice obs UCTD (transit) radiosonde balloon (09:30)	Rogers deKlerk Guest
12:00-16:00	"	ice obs UCTD (transit) radiosonde balloon (15:30)	Shen Stammerjohn Guest
16:00-20:00	transit	SCIENCE MTG (18:15)	ALL
20:00-00:00	"		

Notes:

1. This is the final day of operations. Underway CTD and ice obs will continue in transit until crossing below 71°00'N, such that the tongue of ice west of Barrow is sampled.
2. Evening science meetings onboard the ship will continue thru the transit, for discussion of the observations and drafting the cruise report.