

R/V Sikuliaq Sea State POD: 15 Oct 2015

Overview: ice station, NRL twin otter running right hand triangle survey

Ice forecast: pancakes

Wave forecast: calm

Met forecast: moderate E winds,

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	underway survey at 6 knts max arrive ice station #4 "peanut": 73°52'N,157°26'W	ice obs UCTD (hourly) radiosonde balloon (03:30)	Kohout Talbert Guest
04:00-08:00	"	ice obs UCTD (hourly) search around for floes	Holt Smith
08:00-12:00	"	ice obs UCTD (hourly) radiosonde balloon (09:30) set up for ice station, UAS survey AUV/ROV mission?	Clancy deKlerk Guest ship's crew Williams Maksym et al
12:00-16:00	"	ice obs UCTD (hourly) radiosonde balloon (15:30) above-ice survey	Shen Stammerjohn Guest ice team
16:00-20:00	"	ice obs UCTD (hourly) above-ice survey PLANNING MTG (20:00)	Lund Talbert ice team ALL
20:00-00:00	transit to ice edge at 73°53'N, 161°42'W	ice obs UCTD (hourly) radiosonde balloon (21:30) call w/ NRL aerial (21:00)	Rogers Smith Guest Thomson

Notes:

1. Ice station should be with ship head-to-wind for flux measurements.
2. Joint operations with NRL aircraft, staged out of Barrow, begin TODAY (15 Oct). Nightly calls with the NRL team start the night before, and direct communications use aircraft VHF channel 121.50.
3. Intent is to conduct an underway survey (which NRL aircraft can follow) from a starting position of 73° 58' N, 154° 45' W
 - a. westward to the "peanut" at 73° 52' N, 157° 26' W
 - b. then farther west to ice edge around 73°53'N, 161°42'W
 - c. then back east towards the "grapenuts" at 73° 24' N, 157° 26' W

These points define left and right triangular survey tracks that the aircraft can follow. We will work these tracks and conduct stations as time allows. If there is a favorable wave forecast, we will stay at the ice edge (or run back to it) and request a tight aerial survey grid above us (10 x 10 km).

R/V Sikuliaq Sea State POD: 16 Oct 2015 (day + 1)

Overview: setting up for waves on ice, NRL twin otter runs left-hand triangle survey

Ice forecast: pancakes

Wave forecast: calm

Met forecast: moderate winds

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	in transit (6 knts) to ice edge at 73°53'N, 161°42'W	ice obs UCTD (hourly) radiosonde balloon (03:30)	Holt de Klerk Guest
04:00-08:00	searching for suitable ice edge	ice obs UCTD (hourly)	Clancy Stammerjohn
08:00-12:00	"	ice obs UCTD (hourly) radiosonde balloon (09:30)	Lund Talbert Guest
12:00-16:00	ice edge for wave measurements	ice obs UCTD (hourly) radiosonde balloon (15:30) deploy buoys	Shen Smith Guest wave teams
16:00-20:00	"	ice obs UCTD (hourly) deploy buoys PLANNING MTG (20:00)	Rogers de Klerk wave teams ALL
20:00-00:00	hold station head to wind	ice obs UCTD (hourly) radiosonde balloon (21:30) call w/ NRL aerial (21:00)	Kohout Stammerjohn Guest Thomson

Notes:

4. Joint operations with NRL aircraft, staged out of Barrow, continue. Nightly calls with the NRL team start the night before, and direct communications use aircraft VHF channel 121.50.

R/V Sikuliaq Sea State POD: 17 Oct 2015 (day + 2)

Overview: waves on ice measurements, NRL twin otter overhead in short tracks

Ice forecast: pancakes

Wave forecast: calm

Met forecast: moderate winds

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	holding station, ice edge at 73°53'N, 161°42'W	ice obs UCTD (hourly) radiosonde balloon (03:30) tending buoys	Clancy Talbert Guest wave teams
04:00-08:00	“	ice obs UCTD (hourly)	Lund Smith
08:00-12:00	“	ice obs UCTD (hourly) radiosonde balloon (09:30)	Rogers deKlerk Guest
12:00-16:00	“	ice obs UCTD (hourly) radiosonde balloon (15:30)	Shen Stammerjohn Guest
16:00-20:00	“	ice obs UCTD (hourly) recover buoys PLANNING MTG (20:00)	Kohout Talbert wave teams ALL
20:00-00:00	towards the “grapenuts” at 73° 24' N, 157° 26' W (following left-hand triangle)	ice obs UCTD (hourly) radiosonde balloon (21:30) call w/ NRL aerial (21:00)	Holt Smith Guest Thomson

Notes:

5. Joint operations with NRL aircraft, staged out of Barrow, continue. Nightly calls with the NRL team start the night before, and direct communications use aircraft VHF channel 121.50.