

## R/V Sikuliaq Sea State POD: 10 Oct 2015

Overview: REVISED: partial recovery, shift south to “real” ice edge

Ice forecast: new ice forming rapidly, potentially becoming pancakes

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	inbound line crossing ice edge around <b>73° 24.0'N</b> <b>145° 7.0' W</b>	ice obs UCTD (30/30) radiosonde balloon (03:30)  buoy deployments	Kohout deKlerk Guest  Wave teams
04:00-08:00		ice obs UCTD (30/30) buoy deployments	Holt Stammerjon Wave teams
08:00-12:00	outbound line <b>(5 knts max)</b>	ice obs UCTD (continuous) radiosonde balloon (09:30)	Clancy Talbert Guest
12:00-16:00		ice obs UCTD (30/30) radiosonde balloon (15:30) recover 4 (out 7) buoys	Shen Smith Guest wave team
16:00-20:00	transit to real ice edge <b>72°16.943'N,</b> <b>148°45.928'W</b>	ice obs UCTD (30/30)  PLANNING MTG (18:15)	Lund deKlerk  ALL
20:00-00:00	on approach to ice edge	ice obs UCTD (30)/30 radiosonde balloon (21:30) deploy buoys from inside the ice on the way out, as soon as waves evident.	Rogers Stammerjohn Guest wave team

### Notes:

1. Baseline survey (one lap of line) was complete, then major revision based on 60 km additional freeze up overnight is to leave a set of buoys in place here (SIWFT 08 & 10, NIWA 1), then take the rest southeast where the full force of the waves will be incident. Intent is to return to original site in 4-5 days to survey again (post-storm) and recover buoys.

R/V Sikuliaq Sea State POD: 11 Oct 2015 (day + 1)

Overview: wave event in full swing (buoys out, ship running repeat lines)

Ice forecast: pancakes forming?

Wave forecast: building to 3 m from ESE 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	repeated line from <b>73°22.410'N, 149°35.499'W</b> to <b>73°30.114'N, 151°45.687'W</b>	ice obs UCTD (30/30) radiosonde balloon (03:30)	Holt Talbert Guest
04:00-08:00	outbound (5 knts)	ice obs UCTD (30/30)	Clancy Smith
08:00-12:00	outbound (5 knts)	ice obs UCTD (30/30) radiosonde balloon (09:30)	Lund deKlerk Guest
12:00-16:00	inbound (max spd)	ice obs UCTD (30/30) radiosonde balloon (15:30)	Shen Stammerjohn Guest
16:00-20:00	inbound (max spd)	ice obs UCTD (30/30)  PLANNING MTG (18:15)	Rogers Talbert  ALL
20:00-00:00	outbound (5 knts)	ice obs UCTD (30/30) radiosonde balloon (21:30)	Kohout Smith Guest

Notes:

1. Storm is expected to last thru the end of 13 Oct. We continue repeating the line and deploy additional buoys along the line as conditions change. We may also recover and reposition buoys. Line may be contracted, extended, or shifted as conditions change.

R/V Sikuliaq Sea State POD: 12 Oct 2015 (day + 2)

Overview: wave event in full swing (buoys out, ship running repeated line)

Ice forecast: pancakes?

Wave forecast: peak of storm (3 m from ESE at 7 s)

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

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	repeated line from <b>73°22.410'N, 149°35.499'W</b> to <b>73°30.114'N, 151°45.687'W</b>	ice obs UCTD (30/30) radiosonde balloon (03:30)	Clancy de Klerk Guest
04:00-08:00	outbound (5 knts)	ice obs UCTD (30/30)	Lund Stammerjohn
08:00-12:00	outbound (5 knts)	ice obs UCTD (30/30) radiosonde balloon (09:30)	Rogers Talbert Guest Wave team
12:00-16:00	inbound (max spd)	ice obs UCTD (30/30) radiosonde balloon (15:30)	Shen Smith Guest Wave team
16:00-20:00	inbound (max spd)	ice obs UCTD (30/30)  PLANNING MTG (18:15)	Kohout de Klerk Weissling  ALL
20:00-00:00	outbound (5 knts)	ice obs UCTD (30/30) radiosonde balloon (21:30)	Holt Stammerjohn Guest

Notes:

Long range plan is go west into the ice after this wave event, eventually coming to the Chukchi side and making ice edge measurements near the AWAC mooring.