

R/V Sikuliaq Sea State POD: 10 Oct 2015

Overview: deploying buoys, running repeat line, possible AUV survey

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 73° 24.0'N 145° 7.0' W	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 (5 knts max)	ice obs UCTD (continuous) radiosonde balloon (09:30) AUV prep?	Clancy Talbert Guest
12:00-16:00		ice obs UCTD (30/30) radiosonde balloon (15:30) possible AUV survey	Shen Smith Guest Maksym et al
16:00-20:00		ice obs UCTD (30/30) possible AUV survey PLANNING MTG (18:15)	Lund deKlerk Maksym et al ALL
20:00-00:00	inbound line (12 knts or best speed)	ice obs UCTD (30)/30 radiosonde balloon (21:30)	Rogers Stammerjohn Guest

Notes:

1. We have decided to work in the vicinity of the primary target and conduct a large-scale pancake ice experiment. We will establish a line from **73°22.410'N, 149°35.499'W** to **73°30.114'N, 151°45.687'W** along which we will deploy buoys and run repeat UCTD sections and underway flux measurements (outbound only at 5 knts). We expect to do this for several days (although we may stretch or contract the line depending on the conditions). Several buoys will be held in reserve, to be deployed as the conditions evolve.
2. The repeat lines may be interrupted to conduct an AUV survey, if suitable floes are found during the ice obs on the first inbound run.

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 73°22.410'N, 149°35.499'W to 73°30.114'N, 151°45.687'W	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 73°22.410'N, 149°35.499'W to 73°30.114'N, 151°45.687'W	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.