

R/V Sikuliaq Sea State POD: 11 Oct 2015

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

Ice forecast: pancakes everywhere

Wave forecast: building to 3 m from ESE at 7 s by peak of storm

Met forecast: 25-30 knts SE. Cold.

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	southeast ice edge, around 72°16.943'N, 148°45.928'W	ice obs UCTD (30/30) radiosonde balloon (03:30) buoy deployments, en route to ice edge and out into open water	Holt Talbert Guest wave teams
04:00-08:00	outbound (6 knts)	ice obs UCTD (30/30) buoy deployments	Clancy Smith wave teams
08:00-12:00	outbound (6 knts)	ice obs UCTD (30/30) radiosonde balloon (09:30) buoy deployments	Lund deKlerk Guest wave teams
12:00-16:00	turn around once 10 nm into open water, then inbound (max spd)	ice obs UCTD (30/30) radiosonde balloon (15:30)	Shen Stammerjohn Guest
16:00-20:00	inbound line (max spd) OR hold station at ice edge	ice obs UCTD (30/30) PLANNING MTG (18:15)	Rogers Talbert ALL
20:00-00:00	inbound line (max spd) OR hold station at ice edge	ice obs UCTD (30/30) radiosonde balloon (21:30)	Kohout Smith Guest

Notes:

1. Three buoys (SWIFT 08 & 10, NIWA 1) were left at the original and the survey line was completed once. Intent is to return to original site in 4-5 days to survey again (post-storm) and recover buoys. In the meantime, we will transition to the southeast edge, where the wave forcing should be much larger.
2. Once the buoys are out, we'll either call for the ship to run lines (case of diffuse ice edge) or hold station (case of sharp ice edge).
3. 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 + 1)

Overview: wave event in full swing

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	southeast ice edge, around 72°16.943'N, 148°45.928'W	ice obs UCTD (30/30) radiosonde balloon (03:30) reposition buoys?	Clancy de Klerk Guest
04:00-08:00	holding station OR running lines	ice obs UCTD (30/30) reposition buoys?	Lund Stammerjohn wave teams
08:00-12:00	"	ice obs UCTD (30/30) radiosonde balloon (09:30) reposition buoys?	Rogers Talbert Guest Wave team
12:00-16:00	"	ice obs UCTD (30/30) radiosonde balloon (15:30) reposition buoys?	Shen Smith Guest Wave team
16:00-20:00	"	ice obs UCTD (30/30) reposition buoys? PLANNING MTG (18:15)	Kohout de Klerk Weissling ALL
20:00-00:00	"	ice obs UCTD (30/30) radiosonde balloon (21:30)	Holt Stammerjohn Guest

Notes:

Buoy repositioning will be mostly the buoys near the ice edge, which will get pushed up against the ice.

R/V Sikuliaq Sea State POD: 13 Oct 2015 (day + 2)

Overview: wrapping up wave event

Ice forecast: pancakes?

Wave forecast: waves dying out (late in the day)

Met forecast: winds dying out (late in the day)

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	southeast ice edge, around 72°16.943'N, 148°45.928'W	ice obs UCTD (30/30) radiosonde balloon (03:30)	Lund Talbert Guest
04:00-08:00	holding station OR running lines	ice obs UCTD (30/30) reposition buoys?	Rogers Smith wave teams
08:00-12:00	“	ice obs UCTD (30/30) radiosonde balloon (09:30)	Kohout deKlerk Guest Wave team
12:00-16:00	“	ice obs UCTD (30/30) radiosonde balloon (15:30)	Shen Stammerjohn Guest Wave team
16:00-20:00	“	ice obs UCTD (30/30) PLANNING MTG (18:15)	Holt Talbert Weissling ALL
20:00-00:00	“	ice obs UCTD (30/30) radiosonde balloon (21:30)	Clancy Smith Guest

Notes:

Long range plan is to return to original “pancake line” on Oct 14 or 15 to recovery buoys left behind and survey the ice conditions after the storm. Then, we will go west into the ice, eventually coming to the Chukchi side and making ice edge measurements near the AWAC mooring.