

## R/V Sikuliaq Sea State POD: 12 Oct 2015

Overview: wave event in full swing, repeating 70 nm lines in and out of ice

Ice forecast: pancakes

Wave forecast: steady 4 m ESE at 9 s, subsiding late

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

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	survey line from <b>72°17'N,148°46'W</b> to <b>72° 2'N,151°47'W</b>	ice obs UCTD (hourly) radiosonde balloon (03:30)	Clancy de Klerk Guest
04:00-08:00	outbound (125° T) at 5 knts	ice obs UCTD (hourly)	Lund Stammerjohn
08:00-12:00	inbound (305° T) at 10 knts	ice obs UCTD (hourly) radiosonde balloon (09:30)	Rogers Talbert Guest
12:00-16:00	inbound (305° T) at 10 knts	ice obs UCTD (hourly) radiosonde balloon (15:30)	Shen Smith Guest
16:00-20:00	outbound (125° T) at 5 knts	ice obs UCTD (hourly)  PLANNING MTG (18:15)	Kohout de Klerk  ALL
20:00-00:00	outbound (125° T) at 5 knts	ice obs UCTD (hourly) radiosonde balloon (21:30)	Holt Stammerjohn Guest

### Notes:

1. Buoy array has been deployed on 11 Oct across a 70 nm line from 72°17'N, 148°46'W to 72° 2'N, 151°47'W, with pancake ice observed across the entire array. Outer SWIFT (#11) was reporting  $H_s = 4.5$  m and  $T_p = 9$  s. Wave heights along the array are still  $> 3$  m at 30 nm within the pancake ice. The far SWIFTs (left from the original line) were reporting wave heights around 1.5 m.

R/V Sikuliaq Sea State POD: 13 Oct 2015 (day + 1)

Overview: wrapping up wave event, recoveries begin in the afternoon

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	survey line from <b>72°17'N,148°46'W</b> to <b>72° 2'N,151°47'W</b>	ice obs UCTD (hourly) radiosonde balloon (03:30)	Lund Talbert Guest
04:00-08:00	outbound (125° T) at 5 knts	ice obs UCTD (hourly)	Rogers Smith wave teams
08:00-12:00	inbound (305° T) at 10 knts	ice obs UCTD (hourly) radiosonde balloon (09:30)	Kohout deKlerk Guest Wave team
12:00-16:00	inbound (305° T) at 10 knts	ice obs UCTD (hourly) radiosonde balloon (15:30)	Shen Stammerjohn Guest Wave team
16:00-20:00	outbound (125° T) at 5 knts	ice obs UCTD (hourly) Buoy recoveries (in order along the line) PLANNING MTG (18:15)	Holt Talbert wave teams  ALL
20:00-00:00	outbound (125° T) at 5 knts	ice obs UCTD (hourly) radiosonde balloon (21:30) Buoy recoveries (in order along the line)	Clancy Smith Guest wave teams

Notes:

1. Buoy recoveries along primary line are expected to last until mid-day on 14 Oct. Then, we will transit north to the original line and recover the buoys left behind there, while surveying the ice conditions after the storm. By 15 Oct, we will be heading west into the ice, looking for suitable floes to conduct more ice stations. Eventually, after several days of ice stations, we will aim for the Chukchi side and make ice edge measurements near the AWAC mooring.
2. Joint operations with NRL aircraft, staged out of Barrow, begin on 15 Oct. 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: 14 Oct 2015 (day + 2)

Overview: finish recovering all buoys

Ice forecast: pancakes

Wave forecast: calm?

Met forecast: calm?

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	recovering buoys along line from <b>72°17'N,148°46'W</b> to <b>72° 2'N,151°47'W</b>	ice obs UCTD (hourly) radiosonde balloon (03:30) Buoy recoveries (cont)	Rogers deklerk Guest wave teams
04:00-08:00	“	ice obs UCTD (hourly) Buoy recoveries (cont)	Kohout Stammerjohn wave teams
08:00-12:00	“	ice obs UCTD (hourly) radiosonde balloon (09:30) Buoy recoveries (cont)	Holt Talbert Guest wave teams
12:00-16:00	“	ice obs UCTD (hourly) radiosonde balloon (15:30) Buoy recoveries (cont)	Shen Smith Guest wave teams
16:00-20:00	transit north to other buoys, originally deployed around <b>73°26'N, 50°47'W</b>	ice obs UCTD (hourly)  PLANNING MTG (18:15)	Clancy deKlerk  ALL
20:00-00:00	“	ice obs UCTD (hourly) radiosonde balloon (21:30)	Lund Stammerjohn Guest

Notes:

3. Buoy recoveries along primary line are expected to last until mid-day on 14 Oct. Then, we will transit north to the original line and recover the buoys left behind there, while surveying the ice conditions after the storm. By late on 15 Oct, we will be heading west looking for suitable floes to conduct more ice stations. ... possibly in concert with an ice edge for reflection measurements. Eventually, after several days of ice stations, we will aim for the Chukchi side and make ice edge measurements near the AWAC mooring.
4. Joint operations with NRL aircraft, staged out of Barrow, begin on 15 Oct.