

## R/V Sikuliaq Sea State POD: 16 Oct 2015

Overview: waves on ice edge measurements, NRL twin otter finishes westward SAR line and then does LIDAR grid over wave experiment.

Ice forecast: pancakes, band of old fragments

Wave forecast: 0.8 m on-ice waves

Met forecast: moderate winds ESE

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	in transit (6 knts)	ice obs UCTD (hourly) radiosonde balloon (03:30)	Holt de Klerk Guest
04:00-08:00	arrive ice edge around 74°01.549'N - 161°38.168'W	ice obs UCTD (hourly)	Clancy Stammerjohn
08:00-12:00	searching for suitable ice edge	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 SAFETY DRILL (13:00)	Shen Smith Guest wave teams all hands
16:00-20:00	hold station head to wind	ice obs UCTD (hourly) tend buoys (**small boat**) stereo wave cameras PLANNING MTG (20:00)	Rogers de Klerk wave teams Smith 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:

1. Joint operations with NRL aircraft, staged out of Barrow, continue. Nominal take-off time is 11:00 local ADT. Direct communications with ship use aircraft VHF channel 121.50. Request is for the aircraft to run L-band SAR along the **east-west line from 73° 57' N, 157° 30' W to 74°01.549'N, 161°38.168'W**, adjusting for approximately 10 nm of northerly ice drift during time between the overnight ship survey and the flight. Upon reaching the western point, the aircraft will call the ship to get a current position and run short LIDAR lines covering a 2x2 km box over the ship and nearby wave buoys.
2. Request ice observers and watch officers keep look-out for floes that are candidates for large ice stations.

R/V Sikuliaq Sea State POD: 17 Oct 2015 (day + 1)

Overview: recover buoys from waves on ice measurements, reset some

Ice forecast: sheets, pancakes, band of old fragments

Wave forecast: remnant swell

Met forecast: moderate winds ESE

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) tending buoys	Lund Smith wave teams
08:00-12:00	“	ice obs UCTD (hourly) radiosonde balloon (09:30) recover buoys	Rogers deKlerk Guest wave teams
12:00-16:00	“	ice obs UCTD (hourly) radiosonde balloon (15:30) recover buoys	Shen Stammerjohn Guest wave teams
16:00-20:00	“	ice obs UCTD (hourly) recover buoys PLANNING MTG (20:00)	Kohout Talbert wave teams ALL
20:00-00:00	begin set of 10 flux stations (1 hour each) from 73°59'N, 161°59'W to 74°08'N, 160°48'W	ice obs UCTD (hourly) radiosonde balloon (21:30) call w/ NRL aerial (21:00) redeploy some buoys	Holt Smith Guest Thomson wave teams

Notes:

3. Lay over day for joint operations with NRL aircraft.

R/V Sikuliaq Sea State POD: 18 Oct 2015 (day + 2)

Overview: stations across edge (+/- 30 nm) with off-ice winds

Ice forecast: pancakes and new ice

Wave forecast: some swell in the ice

Met forecast: strong easterlies

Time (local ADT)	Location (dec min)	Activity	Personnel
00:00-04:00	begin set of 10 flux stations (1 hour each) from 73°59'N,161°59'W to 74°08'N,160°48'W	ice obs UCTD (hourly) radiosonde balloon (03:30)	Lund deKlerk Guest
04:00-08:00	"	ice obs UCTD (hourly)	Rogers Stammerjohn
08:00-12:00	"	ice obs UCTD (hourly) radiosonde balloon (09:30) stereo wave cams	Kohout Talbert Guest Smith
12:00-16:00	"	ice obs UCTD (hourly) radiosonde balloon (15:30) stereo wave cams	Shen Smith Guest Smith
16:00-20:00	"	ice obs UCTD (hourly) recover buoys PLANNING MTG (20:00)	Holt deKlerk wave teams ALL
20:00-00:00	begin transit towards bottom of the survey triangle 73° 24' N, 157° 26'W	ice obs UCTD (hourly) radiosonde balloon (21:30) call w/ NRL aerial (21:00)	Clancy Stammerjon Guest Thomson

Notes:

4. Lay over day for joint operations with NRL aircraft.