

R/V Sikuliaq Sea State POD: 21 Oct 2015

Overview: ice station of opportunity (#8) along survey line of 74° 12'N

Ice forecast: big floes

Wave forecast: none

Met forecast: light winds, cold (-18 C)

| Time (local ADT) | Location (dec min) | Activity | Personnel |
|---------------------|--|---|---|
| 00:00-04:00 | eastward survey along 74°12'N from 161° W to 159° W transit (5 knt) | ice obs UCTD (hourly) radiosonde balloon (03:30) SIMS (port crane) | Holt Talbert Guest Weissling |
| 04:00-08:00 | " | ice obs UCTD (hourly) SIMS (port crane) | Clancy Smith Weissling Ackley & Thomson |
| 08:00-12:00 | search for an ice station location | ice obs UCTD (hourly) radiosonde balloon (09:30) | Lund deKlerk Guest Maksym & Weissling |
| 12:00-16:00 | ice station along 74° 12' N, between 161° and 159° W | ice obs UCTD (hourly) radiosonde balloon (15:30) set up for surveys: LBL and LIDAR targets UAS surey | Shen Stammerjohn Guest Maksym & Weissling Williams |
| 16:00-20:00 | " | ice obs UCTD (hourly) AUV & LIDAR surveys drilling and coring Castaway CTD thru ice PLANNING MTG (20:00) | Rogers Talbert Maksym & Weissling Stammerjohn & Ackley Smith & Thomson ALL |
| 20:00-00:00 | " | ice obs UCTD (hourly) radiosonde balloon (21:30) AUV survey continues call w/ NRL aerial (21:00) | Kohout Smith Guest Maksym Thomson |

Notes:

Request NRL aircraft fly L-band SAR line from
74° 12' N, 161° 00' W to 74° 12' N, 159° 00' W,
with SAR and LIDAR passes over ship at eastern end of line. NRL aircraft may also
run LIDAR lines over TerraSAR-X strip map while en route to beginning the line (74°
12' N, 161° 00' W).

Then survey southwards along 159° 00' W as time and fuel allow.

R/V Sikuliaq Sea State POD: 22 Oct 2015 (day+1)

Overview: completion of ice station #8 , another (brief) ice station

Ice forecast: old ridges and new ice

Wave forecast: building in open water

Met forecast: easterlies building, temps increasing (> - 10 C)

| Time (local ADT) | Location (dec min) | Activity | Personnel |
|---------------------|--|---|--|
| 00:00-04:00 | " | ice obs UCTD (hourly) radiosonde balloon (03:30) finish AUV survey | Clancy deKlerk Guest |
| 04:00-08:00 | " | ice obs UCTD (hourly) | Lund Stammerjohn |
| 08:00-12:00 | " | ice obs UCTD (hourly) radiosonde balloon (09:30) recover LBLs deploy IMB/SVP/OHB | Rogers Talbert Guest Maksym Maksym |
| 12:00-16:00 | quick ice station nearby | ice obs UCTD (hourly) radiosonde balloon (15:30) | Shen Smith Guest |
| 16:00-20:00 | begin transit (18:00) towards AWAC mooring | ice obs UCTD (hourly) PLANNING MTG (20:00) | Kohout deKlerk ALL |
| 20:00-00:00 | survey southwards to ice edge by the AWAC mooring 72°38'N, 159° 00' W | ice obs UCTD (hourly) radiosonde balloon (21:30) SIMS (port crane) call w/ NRL aerial (21:00) | Holt Stammerjohn Guest Weissling Thomson |

Notes:

1. Need to leave this area by 18:00 to arrive at southern ice edge in time to meet NRL aircraft for ice edge measurements.

R/V Sikuliaq Sea State POD: 23 Oct 2015 (day+2)

Overview: buoys and flux stations at southern ice edge

Ice forecast: new ice at edge

Wave forecast: 2 m from ESE

Met forecast: 10 m/s ESE

| Time (local ADT) | Location (dec min) | Activity | Personnel |
|---------------------|--|--|--|
| 00:00-04:00 | ice edge by the AWAC mooring 72°38'N, 159° 00' W | ice obs UCTD (hourly) radiosonde balloon (03:30) | Lund Talbert Guest |
| 04:00-08:00 | " | ice obs UCTD (hourly) buoy deployments | Rogers Smith wave teams |
| 08:00-12:00 | " | ice obs UCTD (hourly) radiosonde balloon (09:30) buoy deployments | Kohout deKlerk Guest wave teams |
| 12:00-16:00 | flux station (head to wind) near ice edge | ice obs UCTD (hourly) radiosonde balloon (15:30) stereo cams | Shen Stammerjohn Guest Smith |
| 16:00-20:00 | " | ice obs UCTD (hourly) buoy tending PLANNING MTG (20:00) | Holt Talbert wave teamss ALL |
| 20:00-00:00 | " | ice obs UCTD (hourly) radiosonde balloon (21:30) call w/ NRL aerial (21:00) | Clancy Smith Guest Thomson |

Notes:

1. Next days (23-24-25 Oct) will be spent along the ice edge by the AWAC mooring site, measuring easterlies winds and waves (along-ice at 10 m/s and 2 m, respectively), while NRL aircraft conducts LIDAR surveys.