Oceanography and Acoustics Research in Resolute Bay, Nunavut

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2014 OTN Symposium
Resolute Bay, Nunavut

Oceanography and Acoustics Instrumentation

2012 – 148 CTD casts
2013 – 218 CTD casts
Future Work

• Retrieve and re-deploy:
  ➢ 3 Benthic pods
  ➢ 2 CPODs
  ➢ thermistor array
  ➢ DO, T, and CTD sensors
  ➢ acoustic recorder (AMAR)

• Collect more CTD casts

• Analyze acoustic data for ambient noise and marine mammal calls – walrus, bearded seals, ringed seals, belugas, narwhals, and bowhead whales

• See if we can track beluga and narwhal movement (within water column)

• Compare oceanographic conditions from 2012 to 2014.
Collaborations

Present:

• JASCO Applied Sciences - AMAR and automatic detector
• DFO/IOS - temperature loggers and CTD
• Steve Kessel and Richard Crawford - fish tracking data

Future:

• Would like to collaborate with OTN researchers that are using benthic pods