

Ocean Networks Canada

Ferry Maintenance Report – Queen of Alberni



Vessel: Queen of Alberni

Date: October 20th, 2016

Arrival: 07:30 @ Duke Point terminal, Nanaimo

Reporter: Rowan Fox

Staff: Kathryn Purdon, Stephen Phillips, Rowan Fox

Reason for Visit

Standard cleaning on the Seakeeper system. Stephen Phillips joined for taking water samples on the return trip. Measure height of Met Station above water line.

Observations

1. No signs of damage in instrument box or mass leaking in tray. Dessicant was very dry.
2. Tubing was only slightly fouled with algae.
3. Optode and BBFL2 covered in algae but cleaned off.
4. Upper deck: Met station measurements:

Met station to top bridge deck = 2.076m

Top bridge deck to main bridge deck = 2.777m

Bridge deck to passenger sun deck = 2.772m

Passenger sun deck to water = 14.168m

Total height from wind sensor to water was 21.793m

5. Diameters:

Top Horizontal bar: 2 29/32"

Vertical bar: 1 15/16"

Mid & bottom horizontal bars: 1 3/32"

Actions Taken

1. Arrived at the terminal at 0730.
2. Boarded the ship, met with the Chief Steward. Signed in with the engine room.
3. Shut down seakeeper computer. Begin disassembly of seakeeper.
4. Cleaned the optode & BBFL2. Benchmarks are uploaded into the instruments' device folders on Alfresco. Both instruments responded well to their standards. Optode read 85% saturation and 0% saturation, BBFL2 read ~500 counts for Chl/Diet Coke, and ~400 for CDOM/Sprite Zero.
5. Reassembled instruments after cleaning.
6. Opened up the floor plate to inspect the gate valves and sea strainer.
7. Cleaned Sea Strainer.
8. Turned both gate valves a small amount to confirm they are still moveable.
9. Powered up system, checked for leaks and data acquisition. No water leaks, but noted significant, minute bubbles in the system.

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10. Stephen took water samples on the return trip.
11. With authorization from Chief Engineer Earl went to the upper decks to inspect met station.
Kathryn Purdon measured the height of the met station above the waterline, which is listed in this report under “Observations”.
12. Went out to the #2 end Passenger Embarkation walkway, took photos of the future SAS tracker location, measured rail diameters.
13. Closed up plumbing and computer boxes after water sampling was complete.

Future Actions (High Priority in Red)

1. Queen of Alberni will be taken out of service in November, to begin its refit. A long list of work is being planned for this time.

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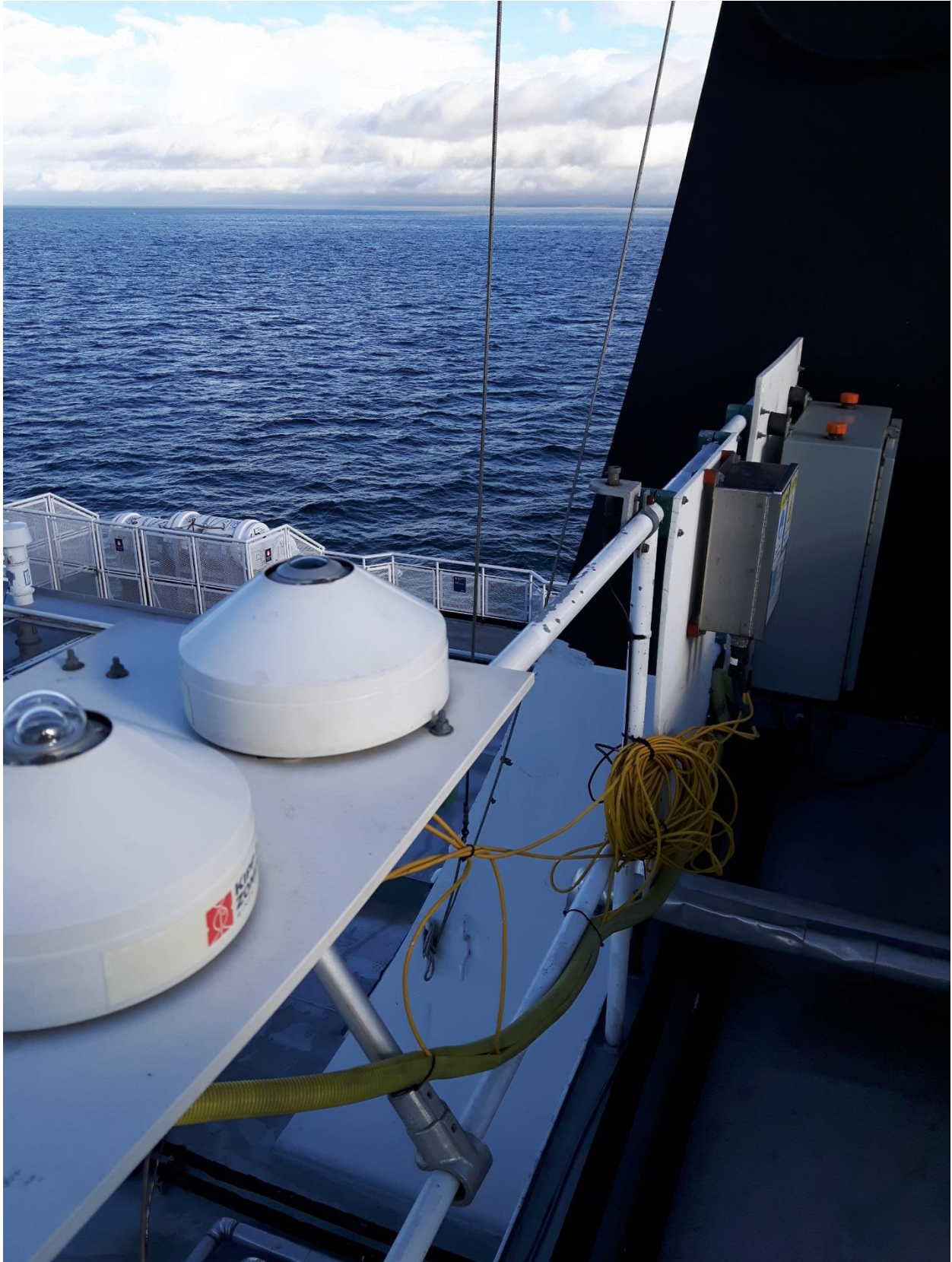
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