

# Ocean Networks Canada

## Ferry Maintenance Report – Queen of Alberni



Vessel: Queen of Alberni

Date: November 16th, 2016

Arrival: 1030 @ Tsawassen terminal, Tsawassen

Reporter: Rowan Fox

Staff: Denis Hedji, Ian Beliveau, Rowan Fox

### Reason for Visit

To remove instruments, seal oceanographic system from saltwater, during the upcoming drydock and out of service period.

### 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 slightly covered in algae but cleaned off.
4. BBFL2 reading, <400 counts for post cleaning for both DC & SZ. Recommended BBFL2 goes back for calibrations.

### Actions Taken

1. Arrived at the ship at 1100.
2. Boarded the ship, met with the Chief Engineer James. 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 ~400 counts for Chl/Diet Coke, and ~400 for CDOM/Sprite Zero.
5. Cleaned TSG.
6. Reassembled instruments after cleaning, packed them to bring home.
- 7.
8. Opened up the floor plate to inspect the gate valves and sea strainer.
9. Disassembled Seachest, assembled block plate onto Inlet Gate valve. Packed Seachest to bring home.
10. Closed both Inlet and Outlet gate valves.
11. Initiated a freshwater flush of the plumbing: Used a 5 gallon bucket filled with freshwater, ran the Seakeeper pump for ~1min in order to suck freshwater into the Seakeeper system in order to displace the seawater.
12. Shut down the Seakeeper computer
13. On the upper deck, the Kipp&Zonen radiometers and the Campbell Scientific datalogger were uninstalled, and then packed up to bring home.

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**Ferry Maintenance Report – Queen of Alberni**

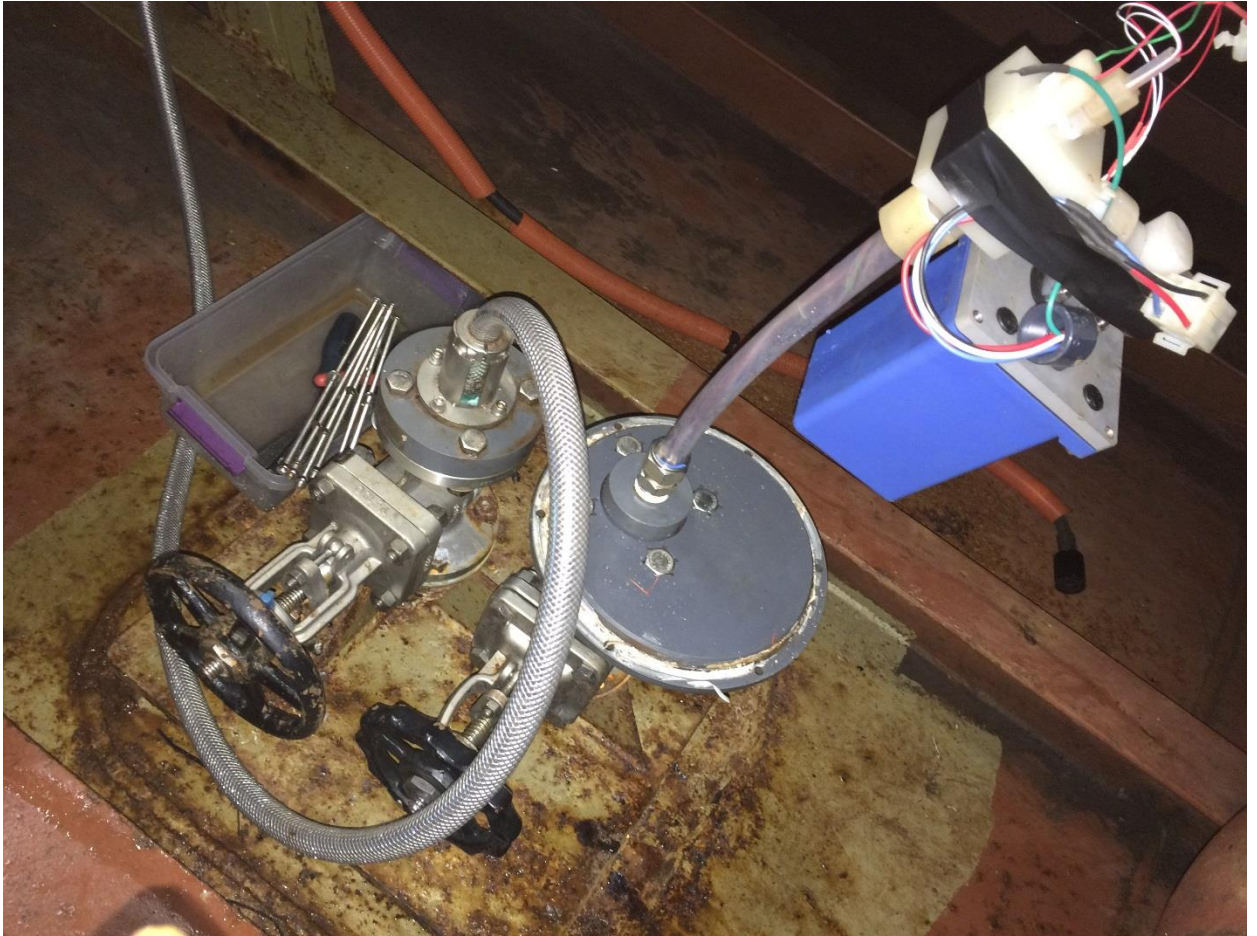
**Future Actions (High Priority in Red)**

1. Queen of Alberni will be taken to the Esquimalt drydock from Nov 17<sup>th</sup> until Dec 16<sup>th</sup>. After that, it will spend a month in Richmond at Deas docks.
2. During the drydock period, work will be to install the SAS system, the Vector, and the Oceans2.0 interface computer, and other upgrades.
3. Instruments removed from the QoA this trip should be returned for calibrations.

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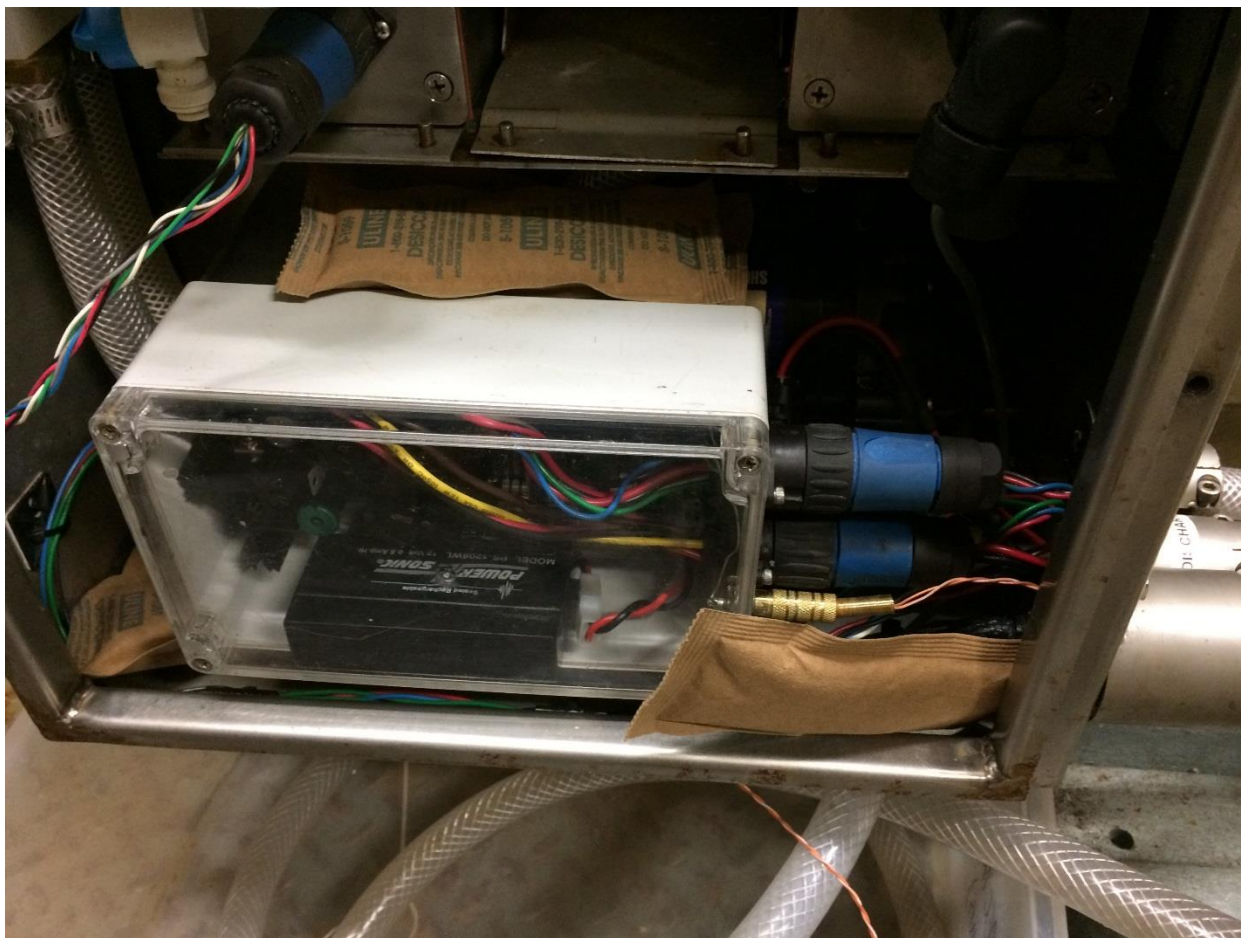
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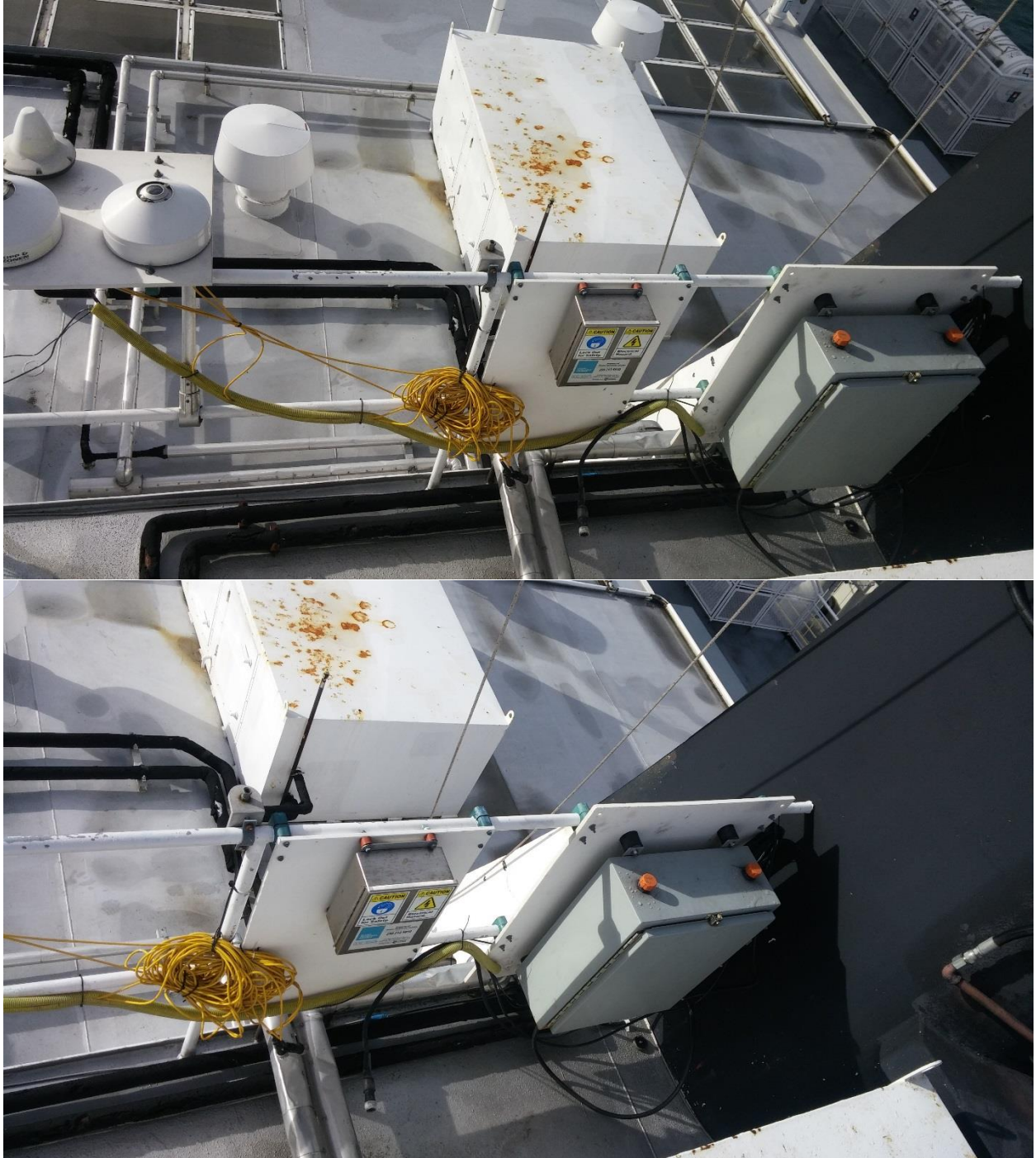


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