Ocean Networks Canada

Ferry Maintenance Report – Queen of Oak Bay

Vessel: Queen of Oak Bay Date: Sept 14, 2016

Arrival: Signed in at Departure Bay Terminal 0745. Parked in long term parking

Reporter: Rowan Fox Staff: Ian Giraudy, Kathryn Purdon, Rowan Fox

Ship's crew: Chief Eng. Sha?

Reason for Visit

- To benchmark and clean instruments
- Inspect Meteorological station with Kathryn

Observations (important highlighted in red)

System operating in a normal state. All dry inside the instrument box.

Next refit is 20160103 – 20160119, Deas Docks.

Met station

- Instruments on Met station pole seem to have rotated, less than 5 degrees counter clockwise. Next trip, bring an instrument for precise alignment of the met station to be aligned with the ship. Ensure where the wind sensor's zero is and if it has changed at all.
- The Queen of Alberni's met station has also rotated. See 20160816 Queen of Alberni maintenance report. **Actions Taken**
- Hemisphere Vector is still in original alignment.

Optode SN418

- Removed for cleaning and calibration. 100% saturation and 0% saturation measurements were spot on, optode is in good functioning condition

BBFL2 SN1053

- BBFL2 housing showing signs of stress and cracking where bolts secure endcap to instrument housing
- Removed for cleaning and benchmarking
  Pre cleaning notes: Chl channel showed ~560 counts, CDOM channel showed about 240 counts.

Post cleaning notes: Chl channel showed ~580 counts, CDOM channel showed about 290 counts. Low CDOM measurements, fluorometer should be swapped out because of this.

TSG SN0017

- Sensor was removed and cleaned

Future Actions

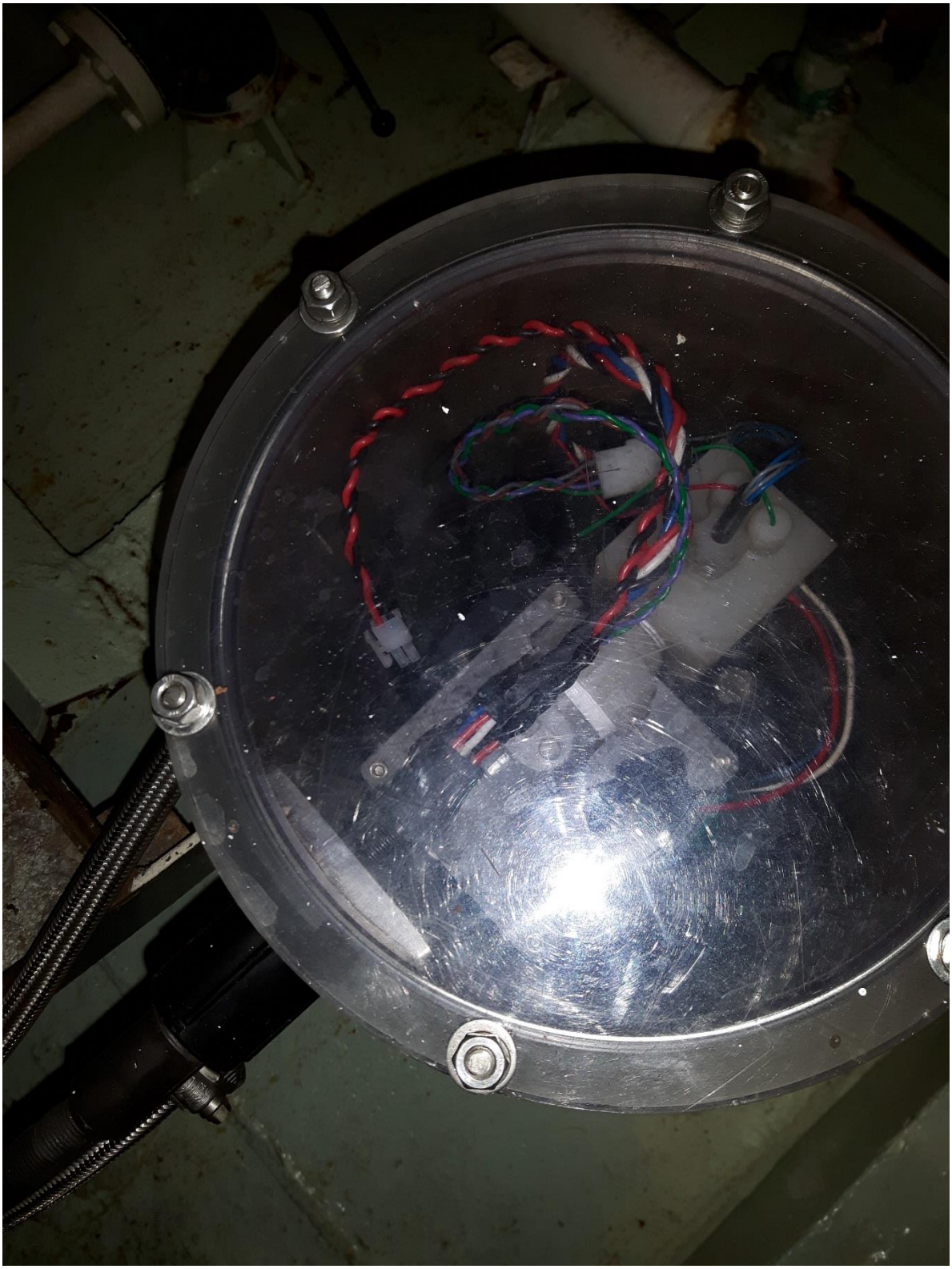
Assess need to install new BBFL2 housing.

Fix met station, align wind sensor. Investigate installing reinforcement on the pole so that rotation is prevented in the future.

Swap out BBFL2

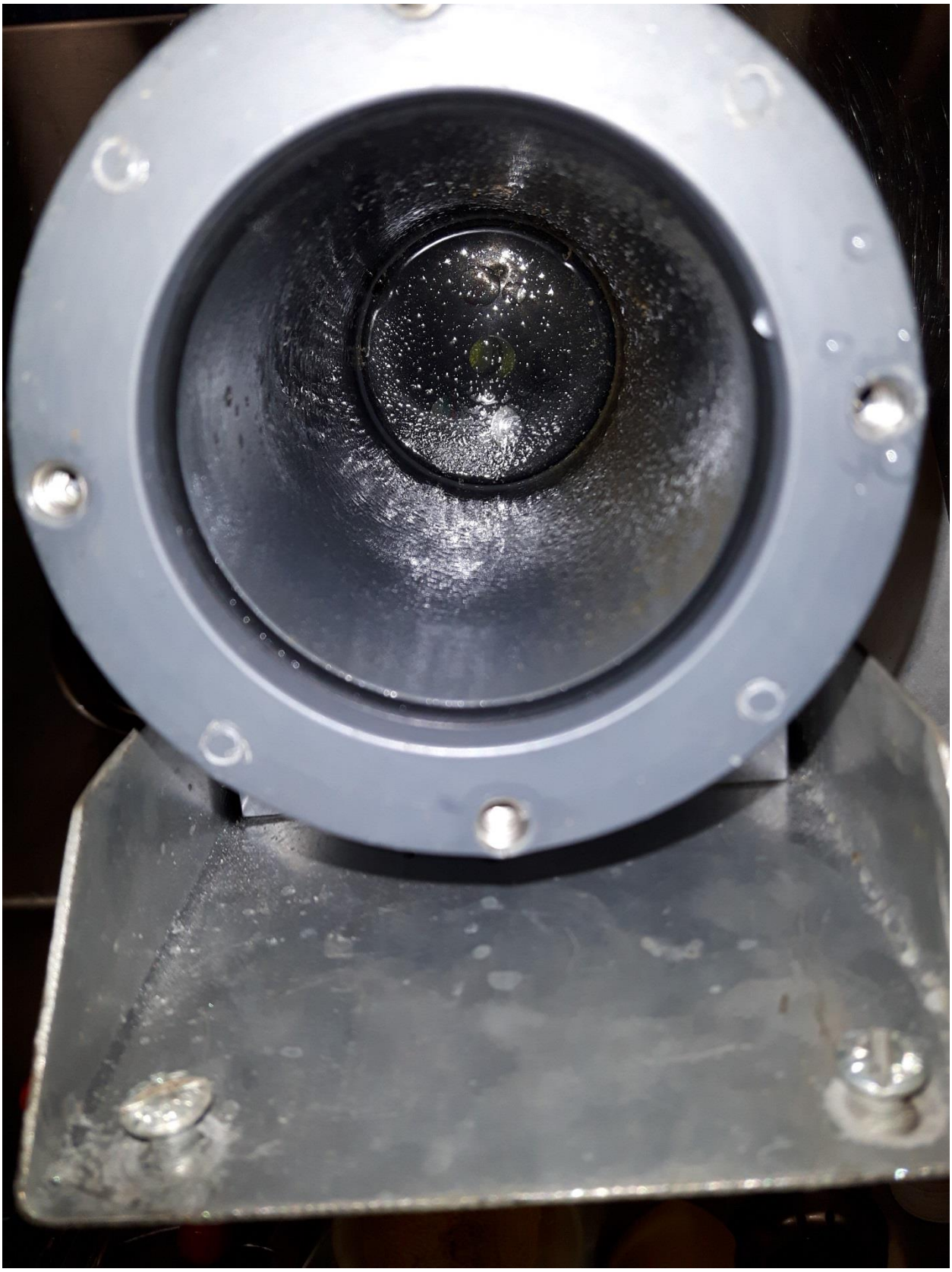
Future inspections of met stations need to ensure their alignment.

Pictures




CANADA


SBE
SEABIRD ELECTRONICS, INC.
Bellevue, Washington, USA
Model SeaKeeper
P/N 90569
S/N 0017
Made in U.S.A.
801066 004




XYGEN OPTODE
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ANDERAA DATA INSTRUMENTS


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