

**Sea-Bird Electronics, Inc.**

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Service ReportSBE Job Number: 43968Date: 6, September 2006Customer: US Department of Commerce, NOAA**Customer Identified Problem:**

1. Calibrate SBE 3 temperature sensors, S/N 031075, 031609, 031652, 031701, 03P2958, and 03P4663*.
2. Calibrate SBE 4 conductivity sensors, S/N 041346, 041387, 041374, 042973, and 042980.
3. Verify operation of SBE 5 pumps, S/N 051027, 051072, 051211, and 051268

Problems Found:

1. SBE 4 conductivity sensor, S/N 041346.
One end of the conductivity cell was found to be cracked.

Services Performed:

1. Calibrations performed on SBE 3 temperature sensors, S/N 031075, 031609, 031652, 031701, 03P2958, and 03P4663*.
Post calibrated the sensors.
2. Calibrations performed on SBE 4 conductivity sensors, S/N 041346.
Post calibrated the sensor.
Replaced the conductivity cell.
Replaced the main piston "O"-Rings.
Performed hydrostatic pressure test.
Re-calibrated the sensor.
Performed full diagnostic evaluation.
3. Calibrations performed on SBE 4 conductivity sensors, S/N 041387, 041374, 042973, and 042980.
Post calibrated the sensors.
4. Services performed on 5 pumps, S/N 051027, 051072, 051211, and 051268.
Replaced the main piston "O"-Rings.
Replaced the impeller thrust washers.
Performed hydrostatic pressure test.
Performed full diagnostic evaluation.

** 03P4663 is a loaner SBE 3Plus Temperature Sensor to be returned under RMA number 43968RTS when the use of the sensor is no longer required.*