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Service Report

SBE Job Number: 36317

Date: July 15, 2004

Customer: US Department of Commerce, NOAA

Customer Identified Problem:

1. Calibrate SBE 9Plus's, S/N 09P10779-0363 and 09P8531-0367.
2. Repair/modify SBE 32 CAROUSELS, S/N328531-0031 and 328531-0032.

Problems Found:

1. SBE 9Plus, S/N 09P10779-0363.
The instrument arrived at Sea-Bird Electronics with minor water damage.
The instruments housing was found to have corrosion damage.
The bottom end cap assembly was found to have corrosion damage.
Several circuit cards were found to be damaged.
The instruments AC/DC power supply was found to be damaged.

Services Performed:

1. Calibrations and services performed on SBE 9Plus's, S/N 09P10779-0363.
Replaced the instruments housing.
Replaced the bottom end cap assembly.
Replaced the AC/DC power supply.
Replaced the AP counter board.
Replaced the Control-Store-A/D card.
Replaced the main piston "O"-Rings.
Performed hydrostatic pressure test.
Calibrated the pressure sensor.
Installed new Anodes.
Performed full diagnostic evaluation.
2. Calibrations and services performed on SBE 9Plus, S/N 09P8531-0367.
Calibrated the pressure sensor.
Installed new Anodes.
Performed full diagnostic evaluation.
3. Services performed on SBE 32 CAROUSELS, S/N328531-0031 and 328531-0032.
Clean and inspected the latch head assembly.
Performed full diagnostic evaluation.