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WET **Labs**
ECO Calibration and Repairs

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Date 6/23/2016 Customer MBARI

S/N# BB2FLMBA-1133 Technician dcm

Diagnosis

Evaluated instrument and found no problems.

Repairs

Standard Service performed.

ECO Standard Service Definition

The bulkhead connector, pressure housing and window on the instrument are first inspected for possible damage.
The instrument then is powered on and the current data is checked to determine if the instrument is working properly.
The instrument pre-service characterization is performed
The head is next inspected for cracks in the LED, the detector and the motor bores.
The digital and analog operations are checked.
The instruments scaling is checked with dye or scatter proxy as determined by the instrument type.
The firmware version on the instrument is updated as necessary.
The case seals, desiccant, shaft seal, faceplate, and shaft are replaced as the instrument is reassembled.
The instrument is rescaled if needed after reassembly.
Standard testing is performed on the instrument and characterized before being returned to the customer.

ECO Standard Testing Definition

- Performed noise test: 1 sample/sec for 60 sec
- Performed stability test: 1 sample/sec for 12 hrs as needed
- Performed thermistor calibration if installed
- Performed live 6hr pressure test: 5 samples every 4 minutes as needed
- Pressure-tested unit
- Completed instrument characterization
- Updated unit's characterization sheet and included on CD
- Updated unit's device file and included on CD