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SEA-BIRD SCIENTIFIC

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ECO Calibration and Repairs

Diagnosis: Evaluated instrument (BBFL2-6922). It was found that the 650nm backscattering channel yielded low counts and it was out of specifications.

Repairs and Modifications: Replaced the optics block and preamp board. The unit was timed for dark counts adjustment; tuned, calibrated and standard service was performed. Unit returned with customer settings. [8-10_LP]

Comments: New device files and characterization sheets are included.

ECO Standard Service:

The instrument's bulkhead connector, pressure housing and optical head are inspected for damage. The optics are inspected for any crack and/ or delamination. The instrument is also evaluated to determine proper functionality.

If applicable, the head is inspected for cracks in motor bores. Case seals, shaft, shaft seal, faceplate, wiper, desiccant pack, O-rings and batteries (if equipped) are replaced.

Incoming settings and memory are collected if incoming conditions allow. When requested, a pre-service characterization can be performed. Then, the final calibration and characterization are conducted. Noise, stability, and live pressure test are also performed before service is completed.

A device file, repair sheet, and new characterization sheets are provided to customers via USB.