



SEA-BIRD ELECTRONICS, INC.

13431 NE 20th St. Bellevue, Washington 98005 USA

Phone: (425) 643-9866 Fax: (425) 643-9954 www.seabird.com

Service
Report

RMA Number

74763

Customer Information:

Company US Department of Commerce, NOAA **Date** 7/9/2013

Contact Pedro Pena

PO Number EE133013SE0717

Serial Number 03P5233

Model Number SBE 03P

Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.

Problems Found:

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Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the temperature sensor.

Special Notes:

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Service
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RMA Number

74763

Customer Information:

Company US Department of Commerce, NOAA **Date** 7/9/2013

Contact Pedro Pena

PO Number EE133013SE0717

Serial Number 03P5239

Model Number SBE 03P

Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.

Problems Found:

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Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the temperature sensor.

Special Notes:

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Customer Information:

Company	US Department of Commerce, NOAA	Date	7/9/2013
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Contact	Pedro Pena
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PO Number	EE133013SE0717
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Serial Number	03P5403
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Model Number	SBE 03
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Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.

Problems Found:

Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the temperature sensor.

Special Notes:



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Service
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RMA Number

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Customer Information:

Company US Department of Commerce, NOAA **Date** 7/9/2013

Contact Pedro Pena

PO Number EE133013SE0717

Serial Number 041347

Model Number SBE 04-02/0

Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.

Problems Found:

1. The conductivity cell was found to have failed. Dead cell.

Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the conductivity sensor.
3. Replaced the conductivity cell.
4. Performed internal inspection and O-ring replacement.
5. Performed hydrostatic pressure test.
6. Performed "Final" calibration of the conductivity sensor.

Special Notes:

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Customer Information:

Company US Department of Commerce, NOAA **Date** 7/9/2013

Contact Pedro Pena

PO Number EE133013SE0717

Serial Number 043657

Model Number SBE 04C

Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.

Problems Found:

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Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the conductivity sensor.

Special Notes:

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RMA Number

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Customer Information:

Company US Department of Commerce, NOAA **Date** 7/9/2013

Contact Pedro Pena

PO Number EE133013SE0717

Serial Number 043860

Model Number SBE 04C

Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.

Problems Found:

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Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the conductivity sensor.

Special Notes:

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RMA Number

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Customer Information:

Company US Department of Commerce, NOAA **Date** 7/9/2013

Contact Pedro Pena

PO Number EE133013SE0717

Serial Number 430154

Model Number SBE 43

Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.

Problems Found:

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Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the oxygen sensor.
3. Performed full diagnostic evaluation.

Special Notes:

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RMA Number

74763

Customer Information:

Company	US Department of Commerce, NOAA	Date	7/9/2013
Contact	Pedro Pena		
PO Number	EE133013SE0717		

Serial Number	430703
Model Number	SBE 43

Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.

Problems Found:

1. Cracked spar glass.

Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the oxygen sensor.
3. Replaced the SBE 43 electronic board set.
4. Replaced the SBE 43 SPAR sub assembly.
5. Installed NEW board mounted battery.
6. Replaced the lid and membrane assembly (0.5 mil).
7. Replaced the electrolyte with new fluid.
8. Performed internal inspection and O-ring replacement.
9. Performed hydrostatic pressure test.
10. Installed NEW pressure compensation bag assembly.
11. Performed "Final" calibration of the oxygen sensor.
12. Performed full diagnostic evaluation.

Special Notes:

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RMA Number

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Customer Information:

Company US Department of Commerce, NOAA **Date** 7/9/2013

Contact Pedro Pena

PO Number EE133013SE0717

Serial Number 431666

Model Number SBE 43

Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.

Problems Found:

1. The membrane was dirty.
The resolution was lower than expected.

Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the oxygen sensor.
3. Performed full diagnostic evaluation.

Special Notes:

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