SBE SEA-BIRD ELECTRONICS, INC.

1808 - 136th Place Northeast, Bellevue, Washington 98005 USA
Phone: (425) 643-9866 Fax: (425) 643-9954 www.seabird.com

Customer Information:

Company Oregon State University

Date 10/30/2007

Contact Dave O Gorman

PO Number S0953A

Services Requested:

Serial Number

Model Number

- 1. Evaluate/Repair Instrumentation.
- 2. Perform Internal Inspection and O-Ring Replacement

SBE 03-01/F

030573

3. Perform Routine Calibration Service.

Problems Found:

- 1. Pin 3 of the 3-pin connector was found to have corrosion damage.
- 2. The endcap threads for the probe guard were found to have been been cross threaded, making the probe guard impossible to thread on all the way.

Services Performed:

- 1. Performed initial diagnostic evaluation.
- 2. Performed "Post Cruise" calibration of the temperature sensor.
- 3. Installed NEW temperature sensor end cap.
- Installed NEW 3400m housing. *
- Installed NEW three pin bulkhead connector(s).
- 6. Performed internal inspection and O-ring replacement.
- 7. Performed hydrostatic pressure test.
- 8. Performed "Final" calibration of the temperature sensor.

Special Notes:

* The housing was replaced at no charge.

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Service RMA Number 48086	
Report	
Customer Information:	
Company Oregon State University Date	10/30/2007
Contact Dave O Gorman	
PO Number S0953A	
Serial Number 030997	
Model Number SBE 03-01/F	
Services Requested:	
Evaluate/Repair Instrumentation.	
 Perform Internal Inspection and O-Ring Replacement Perform Routine Calibration Service. 	
5. Periorii Nouline Calibration Service.	
Problems Found:	
Services Performed:	
 Performed initial diagnostic evaluation. Performed "Post Cruise" calibration of the temperature sensor. 	
3. Performed internal inspection and O-ring replacement.	
4. Performed hydrostatic pressure test.	
5. Performed "Final" calibration of the temperature sensor.	
o. I enormed Tinal calibration of the temperature sensor.	
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Special Notes:	
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Service						
Service	Benevi		RMA Number	4808	36	
	Report		•	**		
Customer Info	ormation:					
Company	Oregon State Univer	sity			Date	10/30/2007
Contact	Dave O Gorman					
PO Number	S0953A					
Serial Numbe	031008					
Model Number	SBE 03-01/F					
Services Req	uested:					
	pair Instrumentation.	Ping Poplesome	ant			
Perform Rou	rnal Inspection and O tine Calibration Servi	e.	#11L			
Problems Fou	ınd:					
Services Perf	ormed:					
	itial diagnostic evalua	tion				
	Post Cruise" calibration		ture sensor.			
3. Performed in	ternal inspection and	O-ring replacem	ent.			
 Performed ny Performed "F 	ydrostatic pressure te Final" calibration of th	st. e temperature se	nsor.			
Special Notes	:					

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Service	Report		RMA Number	4	8086	
Customer Info	ormation:					
Company	Oregon State University				Date	10/30/2007
Contact	Dave O Gorman					
PO Number	S0953A					
Serial Number	031364					
Model Number	er SBE 03-01/F					
Services Req	uested:					
2. Perform Inte	pair Instrumentation. rnal Inspection and O-Rir ttine Calibration Service.	ng Replaceme	nt			
Problems Fou	und:					
Services Perf	ormed:					
 Performed "F Performed in Performed h 	nitial diagnostic evaluation Post Cruise" calibration on Internal inspection and O-r ydrostatic pressure test. Final" calibration of the te	f the temperati ring replaceme	nt.			
Special Notes	s:					

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Service	Report		RMA Number	48086	
Customer Info	ormation:				
Company	Oregon State University			Date	10/30/2007
Contact	Dave O Gorman				
PO Number	S0953A				
Serial Number	031366				
Model Number	er SBE 03-01/F				
Services Req	uested:				
2. Perform Inte	pair Instrumentation. rnal Inspection and O-Rir Itine Calibration Service.	ng Replaceme	nt		
Problems Fou	und:				
Services Perf	ormed:				
 Performed "I Performed ir Performed h 	nitial diagnostic evaluation Post Cruise" calibration on Internal inspection and O-r ydrostatic pressure test. Final" calibration of the te	f the temperati ring replaceme	nt.		
Special Notes	s:				
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Service	Report		RMA Number	48	3086	
Customer Infe	ormation:					
Company	Oregon State University				Date	10/30/2007
Contact	Dave O Gorman					
PO Number	S0953A					
Serial Number	031367					
Model Number	er SBE 03-02/F					
Services Req	uested:					
2. Perform Inte	pair Instrumentation. rnal Inspection and O-Rir tine Calibration Service.	ng Replaceme	nt			
Problems Fou	und:					
Services Perf	formed:					
 Performed "I Performed ir Performed h 	nitial diagnostic evaluation Post Cruise" calibration onternal inspection and O- ydrostatic pressure test. Final" calibration of the te	f the temperati ring replaceme	nt.			
Special Notes	s:					
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Service						
Service	Report		RMA Number	480	86	
Customer Info	ormation:					
Company	Oregon State Unive	ersity			Date	10/30/2007
Contact	Dave O Gorman					
PO Number	S0953A					
Serial Number	031369					
Model Number	SBE 03-02/F					
Services Req	uested:					
2. Perform Inte	pair Instrumentation rnal Inspection and Itine Calibration Serv	O-Ring Replaceme	nt			
3. Perioriii Rou	itine Cambration Serv	/ice.				
Problems Fou	und:					
Services Perf	ormed:					
 Performed "F Performed in Performed h 	nitial diagnostic evalu Post Cruise" calibrat Internal inspection an ydrostatic pressure Final" calibration of t	ion of the temperat d O-ring replaceme est.	ent.			
Special Notes	S:					

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Service			RMA Number	480)86	
	Report			<u> </u>		
Customer Info	ormation:					
Company	Oregon State Univer	rsity			Date	10/30/2007
Contact	Dave O Gorman					
PO Number	S0953A		_			
Serial Numbe	040497					
Model Number						
Sarvisas Bag	uootodi					
Services Requ						
	pair Instrumentation. rnal Inspection and C)-Ring Renlaceme	nt			
	tine Calibration Servi					
Problems Fou	ind:					
Services Perfe						
	itial diagnostic evalua					
	Post Cruise" calibration and iternal inspection and					
	ydrostatic pressure te		tiil.			
5. Performed "F	Final" calibration of th	e conductivity sen	isor.			
Special Notes):					

Service						
<u> </u>	Report		RMA Number	4808	6	
	нероп					
Customer Inf	ormation:					
Company	Oregon State Univ	ersity			Date	10/30/2007
Contact	Dave O Gorman					
PO Number	S0953A					
Serial Number	040670					
Model Number	SBE 04-01/0					
Services Req	uested:					
 Evaluate/Re Perform Inte 	pair Instrumentatior	O-Ring Replaceme	nt			
Problems For	und:					
Services Perf	ormed:					
 Performed "I Performed ir Performed h 	nternal inspection ar ydrostatic pressure	tion of the conduction of the	ent.			
Special Notes	S:					

Service	Report		RMA Number	4808	6	
Customer Info	ormation:					
Company	Oregon State University	у			Date	10/30/2007
Contact PO Number	Dave O Gorman S0953A					
Serial Number						
2. Perform Inte 3. Perform Rou Problems Fou	pair Instrumentation. rnal Inspection and O-R itine Calibration Service.		nt			
Services Perf	ormed:	on.				
	Post Cruise" calibration		rity sensor.			
Special Notes This sensor was	s: s returned "AS-IS".					

Service						
Service	Report		RMA Number	480	86	
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Customer Info	ormation:					
Company	Oregon State Unive	ersity			Date	10/30/2007
Contact	Dave O Gorman					
PO Number	S0953A					
Serial Number	041018					
Model Number	er SBE 04-01/0					
Services Req	uested:					
	pair Instrumentation. rnal Inspection and (nt			
3. Perform Rou	utine Calibration Serv	/ice.				
Problems Fou	und:					
Services Perf	ormed:					
	nitial diagnostic evalu		••			
	Post Cruise" calibrat nternal inspection an					
4. Performed h	ydrostatic pressure t	test.				
5. Performed "I	Final" calibration of t	he conductivity ser	sor.			
Special Notes	S:					

Service RMA Number 48086	
Report	
Customer Information:	
Company Oregon State University Date 10/30	0/2007
Contact Dave O Gorman	
PO Number S0953A	
Serial Number 041030	
Model Number SBE 04-02/0	
Comitions Dominated.	
Services Requested:	
1. Evaluate/Repair Instrumentation.	
 Perform Internal Inspection and O-Ring Replacement Perform Routine Calibration Service. 	
5. Perioriii Noutine Calibration Service.	
Problems Found:	
Services Performed:	
Performed initial diagnostic evaluation.	
Performed "Post Cruise" calibration of the conductivity sensor.	
3. Performed internal inspection and O-ring replacement.	
4. Performed hydrostatic pressure test.	
5. Performed "Final" calibration of the conductivity sensor.	
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Special Notes:	

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Service	Report		RMA Number	4	18086	
Customer Inf	ormation:					
Company	Oregon State University				Date	10/30/2007
Contact	Dave O Gorman					
PO Number	S0953A					
Serial Number	er 041041					
Model Number	er SBE 04-02/0					
Services Req	uested:					
2. Perform Inte	pair Instrumentation. rnal Inspection and O-Rir ıtine Calibration Service.	ng Replaceme	nt			
Problems For	und:					
Services Perf	formed:					
 Performed "I Performed ir Performed h 	nitial diagnostic evaluation Post Cruise" calibration on nternal inspection and O- ydrostatic pressure test. Final" calibration of the co	f the conductiv ring replaceme	nt.			
Special Notes	s:					

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Service	Report		RMA Number	480	86	
Customer Information:						
Company	Oregon State Unive	rsity			Date	10/30/2007
Contact	Dave O Gorman]			
PO Number	S0953A					
Serial Number	041054					
Model Number SBE 04-02/0						
Services Requested:						
 Evaluate/Repair Instrumentation. Perform Internal Inspection and O-Ring Replacement Perform Routine Calibration Service. 						
Problems Found:						
Services Performed:						
 Performed "F Performed in Performed h 	nitial diagnostic evalu Post Cruise" calibrati Iternal inspection and ydrostatic pressure t Final" calibration of th	on of the conductived O-ring replacements.	ent.			
Special Notes	3 !					