C D	SFA-B	RD FI I	FCTRONI	CS. IN		
30	SEA-BI 13431 NE 20	th St. Bellevu	ue, Washington 9	98005 USA		
aaaa	Phone: (425)	643-9866 F	ax: (425) 643-99	54 www.se	eabird.com	
Service	Report		RMA Number	7818	30	
Customer Infe	ormation:					
Company	US Department of Comr	nerce, NOAA			Date	3/6/2014
Contact	Grant Rawson					
PO Number	TBD					
Serial Numbe	03P5140					
Model Numb	SRF 03Plus					
Services Req	uested:					
	pair Instrumentation. tine Calibration Service. ummy plug.					
Problems Fou	und:					
Services Perf	ormed:					
1. Performed in	iitial diagnostic evaluatior	1.				
2. Performed "F	Post Cruise" calibration of	the temperatu	re sensor.			

Special Notes:

SB caaaaa Service	E SEA-BIRD EL 13431 NE 20th St. Bellev Phone: (425) 643-9866		
Customer Infe	ormation:		
Company	US Department of Commerce, NOAA		Date 3/6/2014
Contact	Grant Rawson		
PO Number	TBD		
Serial Numbe Model Numbe			
	pair Instrumentation. tine Calibration Service.		
Problems Fou	und:		
Services Perf			
1. Performed in	itial diagnostic evaluation.		
2. Performed "F	Post Cruise" calibration of the temperate	ure sensor.	

Special Notes:

SBE SE 1343	A-BIRD EL	ECTRONIC	S, IN	C.	
0000000000					
Pho	ne: (425) 643-9866 I	Fax: (425) 643-9954	www.sea	abird.com	
Service Report		RMA Number	78180)	
Customer Information:					
Company US Departmer	t of Commerce, NOAA			Date	3/6/2014
Contact Grant Rawson]			
PO Number TBD					
Serial Number 03P5237					
Model Number SBF 03P					
Services Requested:					
 Evaluate/Repair Instrumenta Perform Routine Calibration Install new dummy plug. 					
Problems Found:					
Services Performed:					
1. Performed initial diagnostic	evaluation.				
2. Performed "Post Cruise" cal	ibration of the temperati	ure sensor.			

Special Notes:

SB	SEA-BIRD 13431 NE 20th St. B	ELECTRONIC ellevue, Washington 980	S, INC. 05 USA	
Service	AAAA	866 Fax: (425) 643-9954		om
Customer Inf	ormation:			
Company	US Department of Commerce, N	OAA	Date	3/6/2014
Contact PO Number	Grant Rawson TBD			
Serial Number Model Numb				
	pair Instrumentation. Itine Calibration Service. Jummy plug.			
Services Perf	ormed:			
1. Performed in	nitial diagnostic evaluation.			
2. Performed "I	Post Cruise" calibration of the con-	ductivity sensor.		
Special Notes	3 :			

SB	SEA-BI 13431 NE 201	RD EL	ECTRON	ICS, IN	NC.	
Service			ue, Washington Fax: (425) 643-99		eabird.co	om
Customer Inf	Report			101	00	
Company	US Department of Comn	nerce, NOAA			Date	3/6/2014
Contact PO Number	Grant Rawson TBD]			
Serial Number Model Numb						
	pair Instrumentation. Itine Calibration Service. ummy plug.					
	and.					
Services Perf	ormed:					
	nitial diagnostic evaluation Post Cruise" calibration of		ity sensor.			
Special Notes	S :					

SBE SEA-BIRD ELECTRONICS, INC. 13431 NE 20th St. Bellevue, Washington 98005 USA Phone: (425) 643-9866 Fax: (425) 643-9954 www.seabird.com							
Service			RMA Number	78180)		
Customer Inf	ormation:						
Company	US Department of Com	merce, NOAA			Date	3/6/2014	
Contact	Grant Rawson]			
PO Number	TBD						

Serial Number	431266
Model Number	SRE 43

Services Requested:

- 1. Evaluate/Repair Instrumentation.
- 2. Perform Routine Calibration Service.
- Install new dummy plug.

Problems Found:

1. Noisy temperature data found due to a bad thermistor.

Services Performed:

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

Special Notes:

* These services were performed at no charge.

Thursday, March 06, 2014

SBE 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	78180		
Company	US Department of Commerce, NOAA		Date	3/6/2014	
Contact	Grant Rawson				
PO Number	TBD				
Serial Numbe Model Numb					



Customer	Information:	

Company	US Department of Commerce, NOAA	Date	3/6/2014
Contact	Grant Rawson		
PO Number	TBD		

Services Requested:

- 1. Evaluate/Repair Instrumentation.
- 2. Perform Routine Calibration Service.
- 3. Install new dummy plug.

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 SPAR sub assembly. *
- 4. Replaced the SBE 43 Getter 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. Performed "Final" calibration of the oxygen sensor.
- 11. Performed full diagnostic evaluation.

Special Notes:

* These services were performed at no charge.

6 D		FCTRON	ICS II		
S D Maaaa	SEA-BIRD EL 13431 NE 20th St. Bellev Phone: (425) 643-9866				m
Service	 Report	RMA Number	781	80	
Customer Infe	ormation:				
Company	US Department of Commerce, NOAA			Date	3/6/2014
Contact	Grant Rawson]			
PO Number	TBD	_			
Serial Numbe	432082				
Model Numb	SRF 43				
Services Req	uested:				
	pair Instrumentation. tine Calibration Service. ummy plug.				
Problems Fou	ınd:				
Services Perf	ormed:				
	itial diagnostic evaluation.				
2. Performed "F	Post Cruise" calibration of the oxygen s	ensor.			
3. Performed fu	Il diagnostic evaluation.				
Special Notes	:				

SB	SEA-BIRD E 13431 NE 20th St. Bell					
Service	Phone: (425) 643-9866 <i>Report</i>	Fax: (425) 643-9954	www.so		m	
Customer Info	ormation:					
Company	US Department of Commerce, NOA	A		Date	3/6/2014	
Contact	Grant Rawson					
	TBD					
	Serial Number 432085 Model Number SBF 43					
Services Req						
	pair Instrumentation. tine Calibration Service. ummy plug.					
Problems Fou	ınd:					
Services Perf	ormed:					
	itial diagnostic evaluation.					
2. Performed "F	Post Cruise" calibration of the oxyger	i sensor.				
3. Performed fu	Il diagnostic evaluation.					
Special Notes	:					