## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3764 CALIBRATION DATE: 16-Jan-12 SBE 37 PRESSURE CALIBRATION DATA 1450 psia S/N 5753

## COEFFICIENTS:

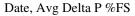
PA0 =	3.384505e-001	
PA1 =	6.936546e-002	
PA2 =	-3.527117e-009	

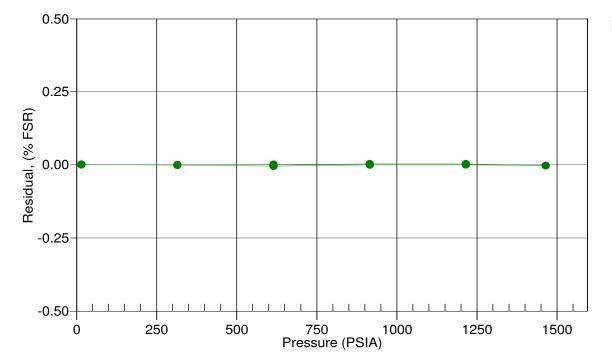
PTCA0	=	-2.167645e+002
PTCA1	=	3.959479e-001
PTCA2	=	-7.859878e-003
PTCB0	=	2.462988e+001
PTCB1	=	1.750000e-004
PTCB2	=	0.000000e+000

PRESSURE SPAN CALIBRATION PRESSURE INST TEMP COMPUTED ERROR							
PSIA	OUTPUT	ITS90	PRESSURE	%FS			
14.66	-5.2	21.5	14.67	0.00			
314.99	4325.8	21.7	314.98	-0.00			
615.01	8654.0	21.7	614.95	-0.00			
914.98	12984.8	21.7	914.98	-0.00			
1215.02	17317.7	21.7	1215.01	-0.00			
1465.05	20929.5	21.8	1465.02	-0.00			
1215.00	17318.2	21.8	1215.05	0.00			
914.98	12985.5	21.8	915.02	0.00			
615.01	8655.0	21.7	615.02	0.00			
315.02	4326.4	21.8	315.02	0.00			
14.65	-5.5	21.9	14.65	0.00			

THERMAL CORRECTION							
TEMP	INST	TEMP	SPAN				
ITS90	OUTPUT	ITS90	MV				
32.50	4.97	-5.00	24.63				
29.00	5.16	35.00	24.64				
24.00	5.40						
18.50	4.88						
15.00	4.60						
4.50	2.04						
1.00	0.70						

 $x = pressure output - PTCA0 - PTCA1 * t - PTCA2 * t^2$   $n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)$  $pressure (psia) = PA0 + PA1 * n + PA2 * n^2$ 





● 16-Jan-12 -0.00