## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3768 CALIBRATION DATE: 08-Dec-11

SBE 37 PRESSURE CALIBRATION DATA 1450 psia S/N 5757

## **COEFFICIENTS:**

PA0	=	3.244973e-001
PA1	=	6.884889e-002
PA2	=	-4.193221e-009

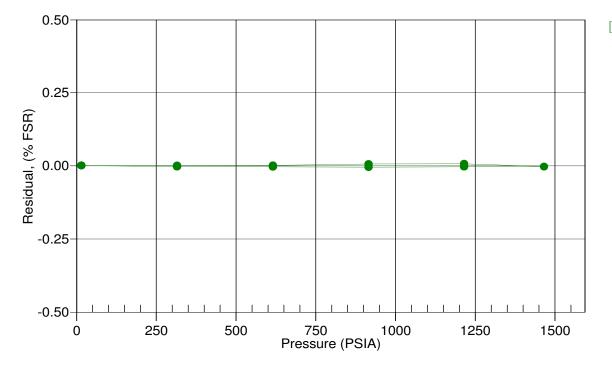
PTCA0 = -1.679287e+002 PTCA1 = 7.770747e-002 PTCA2 = 6.132752e-003 PTCB0 = 2.487912e+001 PTCB1 = -1.750000e-004 PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION							
PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS			
14.82	47.5	22.1	14.83	0.00			
315.18	4409.9	22.3	315.14	-0.00			
615.21	8770.4	22.3	615.15	-0.00			
			915.16	-0.00			
915.22	13133.1	22.3					
1215.29	17499.2	22.3	1215.24	-0.00			
1465.29	21138.6	22.3	1465.25	-0.00			
1215.19	17499.8	22.3	1215.28	0.01			
915.14	13134.2	22.3	915.23	0.01			
615.14	8770.6	22.3	615.16	0.00			
315.16	4410.4	22.3	315.17	0.00			
14.82	47.5	22.4	14.83	0.00			

THERMAL CORRECTION							
TEMP	INST	<b>TEMP</b>	SPAN				
ITS90	OUTPUT	ITS90	MV				
32.50	61.41	-5.00	24.88				
29.00	60.06	35.00	24.87				
24.00	58.05						
18.50	55.99						
15.00	54.94						
4.50	53.13						
1.00	52.55						

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

Date, Avg Delta P %FS



● 08-Dec-11 -0.00