

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0828
 CALIBRATION DATE: 03-Nov-08

SBE 37 PRESSURE CALIBRATION DATA
 1500 psia S/N 192104

COEFFICIENTS:

PA0 = -4.490113e+000
 PA1 = 6.001775e-002
 PA2 = 2.007772e-008

PTCA0 = 0.000000e+000
 PTCA1 = 1.182222e+000
 PTCA2 = 1.525122e-002
 PTCB0 = 0.000000e+000
 PTCB1 = 0.000000e+000
 PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.47	346.7	21.2	14.40	-0.00
310.64	5276.3	21.2	310.82	0.01
607.29	10175.0	21.2	606.34	-0.06
903.68	15075.7	21.2	902.95	-0.05
1200.14	19971.9	21.2	1200.25	0.01
1496.59	24834.2	21.1	1496.45	-0.01
1200.21	19975.2	21.0	1200.47	0.02
903.74	15097.3	20.9	904.29	0.04
607.23	10199.1	20.8	607.84	0.04
311.04	5282.8	20.6	311.27	0.02
14.45	345.4	20.6	14.39	-0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	377.80		
29.00	370.08		
24.00	360.20		
18.50	350.27		
15.00	343.81		
4.50	329.86		
1.00	323.52		

$$n = \text{instrument output} - (\text{PTCA1} * t - \text{PTCA2} * t^2)$$

$$\text{pressure (psia)} = \text{PA0} + \text{PA1} * n + \text{PA2} * n^2$$

