

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0827

CALIBRATION DATE: 03-Nov-08

SBE 37 PRESSURE CALIBRATION DATA

1500 psia S/N 192107

COEFFICIENTS:

PA0 = 9.925911e-001

PA1 = 6.001310e-002

PA2 = 2.014765e-008

PTCA0 = 0.000000e+000

PTCA1 = 2.285731e+000

PTCA2 = 1.580230e-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	279.3	21.2	14.41	-0.00
310.64	5200.2	21.2	310.27	-0.02
607.29	10109.4	21.2	606.39	-0.06
903.68	15010.1	21.2	902.97	-0.05
1200.14	19905.4	21.2	1200.18	0.00
1496.59	24768.7	21.1	1496.43	-0.01
1200.21	19910.0	21.0	1200.50	0.02
903.74	15031.7	20.9	904.33	0.04
607.23	10134.9	20.8	608.00	0.05
311.04	5218.0	20.6	311.45	0.03
14.45	279.4	20.6	14.53	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	331.10		
29.00	319.39		
24.00	304.30		
18.50	287.97		
15.00	276.72		
4.50	252.36		
1.00	241.22		

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

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

Date, Avg Delta P %FS

03-Nov-08 -0.00

