

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0829
 CALIBRATION DATE: 03-Nov-08

SBE 37 PRESSURE CALIBRATION DATA
 1500 psia S/N 192105

COEFFICIENTS:

PA0 = 3.927046e+000
 PA1 = 6.012409e-002
 PA2 = 1.896076e-008

PTCA0 = 0.000000e+000
 PTCA1 = 1.894783e+000
 PTCA2 = 1.850786e-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	223.7	21.2	14.46	-0.00
310.64	5135.8	21.2	310.29	-0.02
607.29	10039.0	21.2	606.49	-0.05
903.68	14933.8	21.2	903.10	-0.04
1200.14	19822.0	21.2	1200.21	0.00
1496.59	24680.3	21.1	1496.42	-0.01
1200.21	19825.8	21.0	1200.47	0.02
903.74	14952.7	20.9	904.29	0.04
607.23	10060.2	20.8	607.83	0.04
311.04	5152.8	20.6	311.41	0.02
14.45	223.0	20.6	14.51	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	271.10		
29.00	260.29		
24.00	246.00		
18.50	231.48		
15.00	221.71		
4.50	200.06		
1.00	190.92		

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

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

Date, Avg Delta P %FS

03-Nov-08 -0.00

