

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3722
 CALIBRATION DATE: 02-Jun-08

SBE 37 PRESSURE CALIBRATION DATA
 10153 psia S/N 6174

COEFFICIENTS:

PA0 = 9.329838e-001
 PA1 = 4.917215e-001
 PA2 = -4.903407e-007

PTCA0 = -2.049033e+001
 PTCA1 = -4.103648e-002
 PTCA2 = 5.744630e-003
 PTCB0 = 2.458963e+001
 PTCB1 = 9.250000e-004
 PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.66	10.0	22.1	14.98	0.00
2001.49	4068.3	22.2	2000.68	-0.01
3988.64	8163.6	22.2	3988.15	-0.00
5975.73	12293.9	22.2	5975.98	0.00
7962.85	16458.4	22.3	7963.31	0.00
9950.23	20656.4	22.3	9949.48	-0.01
7962.66	16458.1	22.3	7963.17	0.01
5975.59	12294.2	22.3	5976.09	0.00
3988.51	8164.2	22.3	3988.42	-0.00
2001.39	4068.9	22.4	2000.94	-0.00
14.65	10.5	22.4	15.19	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	14.19	-5.00	24.59
29.00	13.16	35.00	24.62
24.00	11.84		
18.50	10.67		
15.00	10.11		
4.50	9.50		
1.00	9.40		

$$x = \text{pressure output} - \text{PTCA0} - \text{PTCA1} * t - \text{PTCA2} * t^2$$

$$n = x * \text{PTCB0} / (\text{PTCB0} + \text{PTCB1} * t + \text{PTCB2} * t^2)$$

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

Date, Avg Delta P %FS

02-Jun-08 0.00

