

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4590
 CALIBRATION DATE: 02-Jun-08

SBE 37 PRESSURE CALIBRATION DATA
 508 psia S/N 9315

COEFFICIENTS:

PA0 = 1.116723e-001
 PA1 = 2.409539e-002
 PA2 = 2.981822e-009

PTCA0 = 2.511236e+001
 PTCA1 = 4.300917e-001
 PTCA2 = -9.973131e-003
 PTCB0 = 2.502950e+001
 PTCB1 = 1.000000e-004
 PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.66	632.5	22.0	14.64	-0.01
104.86	4376.0	22.1	104.88	0.00
204.88	8520.2	22.1	204.89	0.00
304.87	12659.6	22.2	304.88	0.00
404.87	16794.5	22.2	404.87	-0.00
504.88	20926.5	22.2	504.88	0.00
404.89	16795.4	22.2	404.89	0.00
204.91	8518.8	22.3	204.86	-0.01
104.90	4377.9	22.3	104.93	0.01
14.65	633.4	22.4	14.66	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	662.36	-5.00	25.03
29.00	662.89	35.00	25.03
24.00	663.73		
18.50	663.75		
15.00	662.78		
4.50	660.61		
1.00	659.45		

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

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

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

Date, Avg Delta P %FS

02-Jun-08 0.00

