

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0817
 CALIBRATION DATE: 19-Jul-07

SBE 37 PRESSURE CALIBRATION DATA
 1500 psia S/N 192113

COEFFICIENTS:

PA0 = -2.750131e-001
 PA1 = 6.014562e-002
 PA2 = 1.982194e-008

PTCA0 = 5.256061e-001
 PTCA1 = -2.891068e-001
 PTCA2 = 3.369166e-003
 PTCB0 = 3.005400e+001
 PTCB1 = -5.666667e-004
 PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.57	241.0	20.9	14.47	-0.01
299.84	4956.4	21.0	298.68	-0.08
599.82	9917.6	21.0	598.66	-0.08
899.83	14868.7	21.0	899.00	-0.06
1200.03	19804.7	21.0	1199.39	-0.04
1499.85	24724.3	21.1	1499.75	-0.01
1200.15	19827.7	21.1	1200.80	0.04
899.90	14902.4	21.2	901.05	0.08
599.86	9955.3	21.2	600.95	0.07
299.87	4988.6	21.3	300.63	0.05
14.58	248.3	21.3	14.91	0.02

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	251.20	0.00	30.05
29.00	251.20	30.00	30.04
24.00	251.70		
18.50	252.70		
15.00	253.30		
4.50	256.00		
1.00	256.30		

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

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

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

Date, Avg Delta P %FS

19-Jul-07 0.00

