

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0826
CALIBRATION DATE: 03-Nov-08

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192106

COEFFICIENTS:

PA0 = 8.671960e+000
PA1 = 6.007152e-002
PA2 = 2.141403e-008

PTCA0 = 0.000000e+000
PTCA1 = 2.922768e+000
PTCA2 = 2.974173e-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	170.7	21.2	14.39	-0.01
310.64	5095.5	21.2	310.78	0.01
607.29	9989.8	21.2	606.36	-0.06
903.68	14883.5	21.2	902.92	-0.05
1200.14	19769.3	21.2	1200.03	-0.01
1496.59	24628.0	21.1	1496.53	-0.00
1200.21	19777.1	21.0	1200.56	0.02
903.74	14904.9	20.9	904.29	0.04
607.23	10014.5	20.8	607.94	0.05
311.04	5101.8	20.6	311.31	0.02
14.45	167.7	20.6	14.37	-0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	234.90		
29.00	217.98		
24.00	196.20		
18.50	173.08		
15.00	157.22		
4.50	124.66		
1.00	109.82		

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

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

Date, Avg Delta P %FS

03-Nov-08 0.00

