

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0819

CALIBRATION DATE: 16-Apr-12

SBE 37 PRESSURE CALIBRATION DATA

1500 psia S/N 192103

COEFFICIENTS:

PA0 = 3.961955e+000

PA1 = 6.011879e-002

PA2 = 2.023382e-008

PTCA0 = 0.000000e+000

PTCA1 = 1.477580e+000

PTCA2 = 1.590153e-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
14.59	214.3	23.0	14.30	-0.02
314.85	5201.0	23.0	314.63	-0.01
614.84	10159.5	23.0	614.26	-0.04
914.87	15107.4	23.1	914.23	-0.04
1214.89	20044.3	23.1	1214.53	-0.02
1514.97	24967.4	23.1	1514.98	0.00
1214.89	20056.8	23.1	1215.30	0.03
914.86	15126.4	23.0	915.40	0.04
614.86	10178.2	23.0	615.39	0.04
314.83	5211.2	23.0	315.24	0.03
14.59	222.5	23.0	14.79	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	254.90		
29.00	245.31		
24.00	234.47		
18.50	223.58		
15.00	214.99		
4.50	196.06		
1.00	191.78		

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

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

Date, Avg Delta P %FS

16-Apr-12 -0.00

