

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0417

CALIBRATION DATE: 28-Oct-13

SBE 37 PRESSURE CALIBRATION DATA

1500 psia S/N 189026

COEFFICIENTS:

PA0 = -2.693447e+000

PA1 = 6.002995e-002

PA2 = 2.141795e-008

PTCA0 = 0.000000e+000

PTCA1 = 3.979668e-002

PTCA2 = 8.335331e-003

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
14.57	289.6	23.0	14.37	-0.01
614.95	10239.0	23.0	613.88	-0.07
914.90	15196.9	23.0	914.20	-0.05
1214.90	20137.8	23.0	1214.54	-0.02
1514.95	25062.6	23.0	1514.94	-0.00
1214.86	20150.6	23.0	1215.32	0.03
914.81	15217.8	23.0	915.47	0.04
614.81	10265.9	23.0	615.50	0.05
314.82	5293.5	23.0	315.35	0.04
14.57	292.9	23.0	14.57	-0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	310.90		
29.00	310.00		
24.00	307.62		
18.50	304.75		
15.00	301.83		
4.50	303.38		
1.00	299.87		

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

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

Date, Avg Delta P %FS

28-Oct-13 0.00

