

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0416

CALIBRATION DATE: 28-Oct-13

SBE 37 PRESSURE CALIBRATION DATA

1500 psia S/N 189025

COEFFICIENTS:

PA0 = 4.216066e+000

PA1 = 6.002491e-002

PA2 = 2.136461e-008

PTCA0 = 0.000000e+000

PTCA1 = -1.371199e+000

PTCA2 = 3.417659e-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
14.57	156.3	23.0	14.41	-0.01
614.95	10106.3	23.0	613.84	-0.07
914.90	15065.3	23.0	914.17	-0.05
1214.90	20007.4	23.0	1214.53	-0.02
1514.95	24933.2	23.0	1514.93	-0.00
1214.86	20020.9	23.0	1215.35	0.03
914.81	15086.7	23.0	915.47	0.04
614.81	10134.2	23.0	615.53	0.05
314.82	5160.8	23.0	315.37	0.04
14.57	158.4	23.0	14.53	-0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	172.80		
29.00	168.30		
24.00	166.72		
18.50	166.45		
15.00	166.93		
4.50	179.88		
1.00	175.97		

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

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

Date, Avg Delta P %FS

28-Oct-13 0.00

