

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3764

CALIBRATION DATE: 16-Jan-12

SBE 37 PRESSURE CALIBRATION DATA

1450 psia S/N 5753

COEFFICIENTS:

PA0 = 3.384505e-001

PA1 = 6.936546e-002

PA2 = -3.527117e-009

PTCA0 = -2.167645e+002

PTCA1 = 3.959479e-001

PTCA2 = -7.859878e-003

PTCB0 = 2.462988e+001

PTCB1 = 1.750000e-004

PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.66	-5.2	21.5	14.67	0.00
314.99	4325.8	21.7	314.98	-0.00
615.01	8654.0	21.7	614.95	-0.00
914.98	12984.8	21.7	914.98	-0.00
1215.02	17317.7	21.7	1215.01	-0.00
1465.05	20929.5	21.8	1465.02	-0.00
1215.00	17318.2	21.8	1215.05	0.00
914.98	12985.5	21.8	915.02	0.00
615.01	8655.0	21.7	615.02	0.00
315.02	4326.4	21.8	315.02	0.00
14.65	-5.5	21.9	14.65	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	4.97	-5.00	24.63
29.00	5.16	35.00	24.64
24.00	5.40		
18.50	4.88		
15.00	4.60		
4.50	2.04		
1.00	0.70		

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

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

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

Date, Avg Delta P %FS

16-Jan-12 -0.00

