

Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 3766

CALIBRATION DATE: 04-Feb-14

SBE 37 PRESSURE CALIBRATION DATA

1450 psia S/N 5755

COEFFICIENTS:

PA0 = 2.362906e-001

PA1 = 6.918098e-002

PA2 = -4.364756e-009

PTCA0 = -1.907820e+002

PTCA1 = -7.752570e-002

PTCA2 = 1.050320e-002

PTCB0 = 2.473400e+001

PTCB1 = 4.000000e-004

PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.75	22.3	22.1	14.74	-0.00
301.46	4170.7	22.2	301.54	0.01
588.59	8323.4	22.1	588.49	-0.01
875.56	12480.7	22.2	875.61	0.00
1162.42	16636.2	22.1	1162.46	0.00
1449.20	20792.3	22.1	1449.19	-0.00
875.41	12476.6	22.1	875.33	-0.01
588.46	8323.6	22.1	588.51	0.00
301.54	4170.8	22.2	301.54	0.00
14.75	22.4	22.2	14.74	-0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	34.91	-5.00	24.73
29.00	33.18	35.00	24.75
24.00	30.80		
18.50	28.62		
15.00	27.50		
4.50	26.39		
1.00	26.40		

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

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

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

Date, Avg Delta P %FS

04-Feb-14 -0.00

