Sea-Bird Electronics, Inc.
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SENSOR SERIAL NUMBER: 2341
CALIBRATION DATE: 08-Feb-16

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 1230

COEFFICIENTS:

PA0 =	-3.282857e-001		PTCA0 =	-2.218642e+002
PA1 =	6.871117e-002		PTCA1 =	-2.406240e-001
PA2 =	-5.769839e-009		PTCA2 =	1.336619e-003
			PTCB0 =	2.474413e+001
			PTCB1 =	-5.750000e-004
			PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.79	-5.2	22.7	14.89	0.01
315.06	4362.9	23.1	315.08	0.00
615.14	8731.9	23.2	615.10	-0.00
915.09	13103.6	23.2	915.08	-0.00
1215.08	17479.0	23.2	1215.10	0.00
1465.05	21125.9	23.2	1464.99	-0.00
1215.08	17479.4	23.2	1215.13	0.00
915.05	13104.1	23.2	915.12	0.00
615.05	8731.8	23.2	615.09	0.00
315.23	4362.9	23.2	315.08	-0.01
14.78	-7.4	23.4	14.75	-0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	0.51
29.00	1.25
24.00	2.12
18.50	3.04
15.00	3.55
4.50	6.02
1.00	6.77

TEMPERATURE (°C)	SPAN (mV)
-5.00	24.75
35.00	24.72

x = instrument output - PTCA0 - PTCA1 * t - PTCA2 * t^2

$n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)$

pressure (PSIA) = PA0 + PA1 * n + PA2 * n^2

Residual (%FSR) = (computed pressure - true pressure) * 100 / Full Scale Range

Date, Offset (%FSR)

● 08-Feb-16   -0.00