Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2332
CALIBRATION DATE: 23-Jan-15

SBE 37 PRESSURE CALIBRATION DATA
FSR: 1450 psia S/N 799

COEFFICIENTS:

PA0 =	5.219082e-001	PTCA0 =	-1.891035e+002
PA1 =	6.890812e-002	PTCA1 =	4.383792e-001
PA2 =	-7.835737e-009	PTCA2 =	-4.919565e-003
		PTCB0 =	2.486613e+001
		PTCB1 =	-1.750000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.78	26.5	23.4	14.86	0.01
302.14	4194.8	23.4	301.99	-0.01
589.05	8366.1	23.4	589.05	-0.00
876.17	12542.6	23.3	876.19	0.00
1163.14	16720.9	23.3	1163.19	0.00
1450.06	20900.5	23.3	1450.00	-0.00
1165.00	16757.2	23.3	1165.68	0.05
875.99	12540.4	23.2	876.04	0.00
589.16	8368.6	23.3	589.22	0.00
302.00	4193.4	23.3	301.89	-0.01
14.78	26.1	23.3	14.83	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT
32.50	38.31
29.00	38.36
24.00	37.42
18.50	35.85
15.00	34.82
4.50	31.36
1.00	30.03

TEMP (ITS90)	SPAN (mV)
-5.00	24.87
35.00	24.86

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

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

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