SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4303
CALIBRATION DATE: 01-Dec-10

SBE 37 PRESSURE CALIBRATION DATA
10153 psia S/N 8843

COEFFICIENTS:

PA0 = 1.213788e+000
PA1 = 4.893845e-001
PA2 = -4.877903e-007

PTCA0 = -6.098049e+001
PTCA1 = 2.021854e-001
PTCA2 = -4.050809e-003
PTCB0 = 2.484362e+001
PTCB1 = -1.475000e-003
PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.65	-31.3	21.6	14.54	-0.00
2014.85	4065.1	21.7	2013.53	-0.01
4014.87	8198.0	21.7	4013.69	-0.01
6014.96	12366.5	21.7	6014.16	-0.01
8014.90	16570.2	21.7	8014.31	-0.01
10014.84	20810.1	21.7	10014.18	-0.01
8014.68	16574.2	21.7	8016.21	0.02
6014.72	12370.4	21.7	6016.02	0.01
4014.68	8201.5	21.7	4015.38	0.01
2014.73	4068.2	21.7	2015.03	0.00
14.65	-29.4	21.7	15.47	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	-29.40	-5.00	24.85
29.00	-29.19	35.00	24.79
24.00	-29.11		
18.50	-29.33		
15.00	-29.60		
4.50	-30.77		
1.00	-31.51		

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