SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3762
CALIBRATION DATE: 20-Dec-10

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5751

COEFFICIENTS:

PA0 =	3.578826e-001	PTCA0 =	-1.885499e+002
PA1 =	6.732102e-002	PTCA1 =	2.204458e-001
PA2 =	-3.218367e-009	PTCA2 =	1.189323e-003
		PTCB0 =	2.540563e+001
		PTCB1 =	1.250000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.32	24.3	21.6	14.33	0.00
314.56	4485.2	21.7	314.54	-0.00
614.56	8944.4	21.7	614.50	-0.00
914.51	13405.7	21.7	914.49	-0.00
1214.50	17869.4	21.7	1214.50	-0.00
1464.54	21590.7	21.7	1464.52	-0.00
1214.54	17870.6	21.7	1214.58	0.00
914.53	13407.1	21.7	914.58	0.00
614.58	8945.4	21.8	614.57	-0.00
314.62	4487.4	21.8	314.68	0.00
14.33	24.2	21.8	14.32	-0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	46.99	-5.00	25.41
29.00	46.14	35.00	25.41
24.00	44.78		
18.50	43.20		
15.00	42.06		
4.50	39.72		
1.00	38.91		

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