SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3767
CALIBRATION DATE: 20-Dec-10

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5756

COEFFICIENTS:

PA0 =	5.132263e-001	PTCA0 =	-1.992406e+002
PA1 =	6.917707e-002	PTCA1 =	3.305038e-001
PA2 =	-2.984852e-009	PTCA2 =	4.434661e-004
		PTCB0 =	2.469425e+001
		PTCB1 =	-5.500000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.34	8.2	21.8	14.36	0.00
314.61	4347.2	22.0	314.60	-0.00
614.64	8683.4	21.9	614.54	-0.01
914.56	13022.4	21.9	914.56	-0.00
1214.59	17363.2	21.9	1214.59	-0.00
1464.60	20980.8	21.9	1464.55	-0.00
1214.54	17363.5	21.9	1214.61	0.00
914.53	13022.8	21.9	914.58	0.00
614.56	8684.1	21.9	614.59	0.00
314.63	4347.7	21.9	314.63	0.00
14.34	8.0	21.9	14.34	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	27.70	-5.00	24.70
29.00	26.62	35.00	24.68
24.00	25.01		
18.50	22.88		
15.00	21.38		
4.50	18.28		
1.00	16.86		

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