SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3937
CALIBRATION DATE: 06-Dec-07

SBE 37 PRESSURE CALIBRATION DATA
10153 psia S/N 7328

COEFFICIENTS:

PA0 =	3.607883e+000	PTCA0 =	1.968216e+001
PA1 =	4.952246e-001	PTCA1 =	4.949851e-001
PA2 =	-4.901903e-007	PTCA2 =	-6.712365e-003
		PTCB0 =	2.455075e+001
		PTCB1 =	3.150000e-003
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.53	50.0	20.4	14.97	0.00
1999.53	4082.9	20.4	1998.93	-0.01
3999.71	8182.2	20.3	3999.36	-0.00
5999.91	12316.2	20.3	6000.08	0.00
7999.83	16483.9	20.3	8000.25	0.00
10000.68	20686.8	20.4	10000.01	-0.01
7999.89	16484.3	20.3	8000.44	0.01
5999.85	12316.4	20.3	6000.18	0.00
3999.72	8182.6	20.3	3999.55	-0.00
1999.59	4083.4	20.3	1999.21	-0.00
14.53	49.6	20.3	14.79	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	53.22	-5.00	24.54
29.00	53.00	35.00	24.66
24.00	52.30		
18.50	51.11		
15.00	50.11		
4.50	46.41		
1.00	44.71		

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