SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4921
CALIBRATION DATE: 11-Mar-09

SBE 37 PRESSURE CALIBRATION DATA
508 psia S/N 10021

COEFFICIENTS:

PA0 =	3.052478e-002	PTCA0 =	2.733040e+001
PA1 =	2.393813e-002	PTCA1 =	1.830942e-001
PA2 =	2.649078e-009	PTCA2 =	-5.997098e-003
		PTCB0 =	2.513688e+001
		PTCB1 =	-8.250000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.82	646.7	19.8	14.84	0.00
105.08	4409.9	20.1	105.03	-0.01
205.08	8581.1	20.1	205.09	0.00
305.10	12747.0	20.0	305.11	0.00
405.09	16907.8	20.1	405.11	0.00
505.11	21064.2	20.0	505.09	-0.00
405.11	16907.9	20.0	405.11	0.00
305.11	12746.8	20.0	305.11	0.00
205.11	8581.3	20.0	205.09	-0.00
105.08	4411.7	20.1	105.07	-0.00
14.82	646.5	20.1	14.83	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	665.60	-5.00	25.14
29.00	666.30	35.00	25.11
24.00	667.15		
18.50	667.34		
15.00	667.38		
4.50	666.66		
1.00	666.30		

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