SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3318
CALIBRATION DATE: 28-Feb-07

SBE 37 PRESSURE CALIBRATION DATA
508 psia S/N 3683

COEFFICIENTS:

PA0 =	7.033894e-002	PTCA0 =	1.658316e+000
PA1 =	2.400169e-002	PTCA1 =	2.904099e-001
PA2 =	1.627946e-009	PTCA2 =	-7.198673e-003
		PTCB0 =	2.502287e+001
		PTCB1 =	-1.225000e-003
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.49	604.9	20.6	14.49	0.00
104.76	4360.6	20.6	104.76	-0.00
204.74	8518.3	20.7	204.74	-0.00
304.74	12674.2	20.7	304.73	-0.00
404.72	16827.5	20.8	404.72	0.00
504.70	20977.9	20.8	504.70	-0.00
404.72	16828.1	20.8	404.74	0.00
304.75	12675.1	20.8	304.76	0.00
204.76	8519.3	20.8	204.76	0.00
104.79	4361.5	20.9	104.78	-0.00
14.49	604.9	20.9	14.49	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	646.02	-5.00	25.03
29.00	646.69	35.00	24.98
24.00	647.16		
18.50	647.28		
15.00	646.91		
4.50	645.24		
1.00	644.71		

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