SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3318
CALIBRATION DATE: 19-Jun-06

SBE 37 PRESSURE CALIBRATION DATA
508 psia S/N 3683

COEFFICIENTS:

PA0 =	4.586750e-002	PTCA0 =	2.392846e+000
PA1 =	2.399323e-002	PTCA1 =	2.090215e-001
PA2 =	1.861956e-009	PTCA2 =	-5.510080e-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
14.74	614.6	22.6	14.71	-0.01
99.85	4158.1	22.7	99.85	-0.00
199.84	8316.2	22.7	199.83	-0.00
299.83	12472.2	22.7	299.81	-0.00
404.81	16833.4	22.7	404.81	-0.00
504.80	20984.0	22.7	504.80	-0.00
404.80	16834.0	22.7	404.82	0.00
299.83	12472.9	22.7	299.83	0.00
199.84	8316.8	22.7	199.84	0.00
99.84	4158.5	22.8	99.86	0.00
14.74	617.2	22.8	14.77	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	648.31	-5.00	25.03
29.00	648.29	35.00	24.98
24.00	648.76		
18.50	649.22		
15.00	649.05		
4.50	648.07		
1.00	647.17		

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