SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 3531
CALIBRATION DATE: 28-Aug-06

SBE 37 PRESSURE CALIBRATION DATA
508 psia S/N 4979

COEFFICIENTS:

PA0 =	-1.632792e-002	PTCA0 =	9.279534e+001
PA1 =	2.410643e-002	PTCA1 =	3.242104e-003
PA2 =	1.260613e-009	PTCA2 =	-1.573493e-003
		PTCB0 =	2.512800e+001
		PTCB1 =	-1.400000e-003
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.57	696.5	21.8	14.57	-0.00
104.72	4430.2	21.9	104.71	-0.00
204.71	8569.2	21.9	204.68	-0.01
304.67	12706.6	21.8	304.64	-0.01
404.64	16843.1	21.8	404.64	-0.00
504.63	20977.3	21.8	504.61	-0.00
404.61	16843.8	21.8	404.65	0.01
304.65	12707.9	21.8	304.68	0.01
204.69	8570.0	21.9	204.70	0.00
104.73	4431.7	21.9	104.75	0.00
14.57	697.0	22.0	14.58	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	737.25	-5.00	25.14
29.00	737.63	35.00	25.08
24.00	737.94		
18.50	738.38		
15.00	738.42		
4.50	738.96		
1.00	738.71		

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