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: 3937
CALIBRATION DATE: 11-Jun-09

SBE 37 PRESSURE CALIBRATION DATA
10153 psia S/N 7328

COEFFICIENTS:

PA0 =	3.839546e+000	PTCA0 =	1.994014e+001
PA1 =	4.952519e-001	PTCA1 =	5.129034e-001
PA2 =	-4.891949e-007	PTCA2 =	-7.125286e-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
14.60	50.3	21.7	14.99	0.00
1998.94	4082.4	21.8	1998.32	-0.01
3998.97	8181.9	21.8	3998.60	-0.00
6000.13	12317.7	21.8	6000.01	-0.00
7999.58	16485.0	21.9	7999.73	0.00
9999.74	20687.6	21.9	9999.36	-0.00
8000.27	16486.9	22.0	8000.53	0.00
5998.88	12317.0	22.0	5999.50	0.01
3999.22	8183.9	22.1	3999.39	0.00
1999.41	4084.3	22.1	1999.15	-0.00
14.60	49.9	22.1	14.76	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	53.15	-5.00	24.54
29.00	52.92	35.00	24.66
24.00	52.24		
18.50	51.06		
15.00	50.10		
4.50	46.20		
1.00	44.52		

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