

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: 13-Nov-06

SBE 37 PRESSURE CALIBRATION DATA
 10153 psia S/N 7328

COEFFICIENTS:

PA0 = 3.580838e+000
 PA1 = 4.951573e-001
 PA2 = -4.864956e-007

PTCA0 = 1.964492e+001
 PTCA1 = 4.909988e-001
 PTCA2 = -6.696384e-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
14.41	49.1	20.5	14.55	0.00
2001.27	4087.7	20.6	2001.03	-0.00
3988.20	8159.4	20.7	3987.76	-0.00
5975.15	12265.7	20.7	5975.15	0.00
7962.28	16406.4	20.8	7962.57	0.00
9949.77	20580.5	20.8	9949.30	-0.00
7962.40	16407.2	20.9	7962.84	0.00
5974.93	12266.2	20.9	5975.22	0.00
3987.86	8159.7	20.9	3987.78	-0.00
2000.77	4087.1	21.0	2000.60	-0.00
14.40	49.4	21.0	14.64	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	52.35	-5.00	24.54
29.00	52.14	35.00	24.66
24.00	51.49		
18.50	50.27		
15.00	49.31		
4.50	45.62		
1.00	43.97		

$$x = \text{pressure output} - \text{PTCA0} - \text{PTCA1} * t - \text{PTCA2} * t^2$$

$$n = x * \text{PTCB0} / (\text{PTCB0} + \text{PTCB1} * t + \text{PTCB2} * t^2)$$

$$\text{pressure (psia)} = \text{PA0} + \text{PA1} * n + \text{PA2} * n^2$$

Date, Avg Delta P %FS

13-Nov-06 0.00

