

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: 1251
 CALIBRATION DATE: 06-Dec-07

SBE 37 PRESSURE CALIBRATION DATA
 1500 psia S/N 193472

COEFFICIENTS:

PA0 = -3.166790e-002
 PA1 = 6.007919e-002
 PA2 = 2.205990e-008

PTCA0 = -1.416326e+002
 PTCA1 = 1.577819e-002
 PTCA2 = -1.961647e-003
 PTCB0 = 2.980200e+001
 PTCB1 = 0.000000e+000
 PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.55	99.2	20.9	14.47	-0.01
310.99	5011.7	20.8	310.19	-0.05
607.92	9924.2	20.7	606.98	-0.06
904.81	14825.9	20.8	904.18	-0.04
1201.71	19707.3	20.8	1201.20	-0.03
1498.64	24577.3	20.5	1498.57	-0.00
1201.77	19725.3	20.4	1202.29	0.03
904.79	14851.9	20.4	905.76	0.06
607.89	9948.0	20.5	608.42	0.04
310.96	5039.2	20.3	311.85	0.06
14.54	102.3	20.4	14.65	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	110.80	0.00	29.80
29.00	110.40	30.00	29.80
24.00	111.00		
18.50	111.60		
15.00	112.20		
4.50	111.90		
1.00	112.00		

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

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

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

Date, Avg Delta P %FS

06-Dec-07 0.00

