

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: 1242
 CALIBRATION DATE: 09-Dec-09

SBE 37 PRESSURE CALIBRATION DATA
 1500 psia S/N 193459

COEFFICIENTS:

PA0 = -1.226133e+001
 PA1 = 5.989428e-002
 PA2 = 2.767728e-008

PTCA0 = 0.000000e+000
 PTCA1 = 3.345227e-001
 PTCA2 = 1.234326e-003
 PTCB0 = 0.000000e+000
 PTCB1 = 0.000000e+000
 PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.78	451.4	18.1	14.39	-0.03
314.39	5448.3	18.9	314.48	0.01
614.40	10403.8	19.2	613.45	-0.06
914.44	15349.8	19.2	913.21	-0.08
1214.40	20284.6	19.0	1213.64	-0.05
1514.47	25208.5	18.9	1514.76	0.02
1214.37	20305.4	18.9	1214.91	0.04
914.32	15379.8	19.0	915.03	0.05
614.27	10432.3	19.0	615.17	0.06
314.31	5461.8	19.1	315.28	0.06
14.78	455.3	19.1	14.60	-0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	462.20		
29.00	460.31		
24.00	458.18		
18.50	456.48		
15.00	455.34		
4.50	451.24		
1.00	450.08		

$$n = \text{instrument output} - (\text{PTCA1} * t - \text{PTCA2} * t^2)$$

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

Date, Avg Delta P %FS

09-Dec-09 0.00

