

SEA-BIRD ELECTRONICS, INC.

13431 NE 20th Street, Bellevue, Washington, 98005-2010 USA

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

SENSOR SERIAL NUMBER: 0818

CALIBRATION DATE: 01-Dec-10

SBE 37 PRESSURE CALIBRATION DATA

1500 psia S/N 192102

COEFFICIENTS:

PA0 = 1.005402e+001

PA1 = 6.024573e-002

PA2 = 1.977318e-008

PTCA0 = 0.000000e+000

PTCA1 = 3.211673e+000

PTCA2 = 6.422739e-002

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
14.65	177.0	22.4	14.44	-0.01
314.96	5147.4	22.5	314.35	-0.04
615.01	10095.5	22.5	613.93	-0.07
914.90	15038.2	22.5	914.14	-0.05
1214.96	19967.7	22.5	1214.51	-0.03
1464.97	24065.9	22.5	1464.96	-0.00
1214.94	19981.9	22.5	1215.38	0.03
914.78	15062.7	22.5	915.63	0.06
614.77	10125.0	22.5	615.71	0.06
314.89	5167.7	22.5	315.58	0.05
14.66	184.5	22.5	14.86	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	272.40		
29.00	248.99		
24.00	214.38		
18.50	182.33		
15.00	160.53		
4.50	121.73		
1.00	100.43		

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

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

Date, Avg Delta P %FS

01-Dec-10 -0.00

