

Sea-Bird Electronics, Inc.

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

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0818

CALIBRATION DATE: 28-Oct-13

SBE 37 PRESSURE CALIBRATION DATA

1500 psia S/N 192102

COEFFICIENTS:

PA0 = 1.036973e+001

PA1 = 6.027093e-002

PA2 = 1.821932e-008

PTCA0 = 0.000000e+000

PTCA1 = 3.732098e+000

PTCA2 = 5.247083e-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
14.57	180.6	23.0	14.41	-0.01
314.90	5151.6	23.0	314.48	-0.03
614.98	10098.2	23.0	613.97	-0.07
914.94	15042.7	23.0	914.22	-0.05
1214.97	19974.5	23.0	1214.59	-0.03
1514.97	24890.9	23.0	1514.91	-0.00
1214.93	19988.0	23.0	1215.42	0.03
914.91	15067.1	23.0	915.71	0.05
614.94	10127.0	23.0	615.71	0.05
314.92	5168.1	23.0	315.47	0.04
14.57	185.8	23.0	14.72	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	263.90		
29.00	242.00		
24.00	209.62		
18.50	175.15		
15.00	152.73		
4.50	110.88		
1.00	89.38		

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

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

Date, Avg Delta P %FS

28-Oct-13 0.00

