

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: 0818
CALIBRATION DATE: 09-Jun-09

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192102

COEFFICIENTS:

PA0 = 9.600426e+000
PA1 = 6.023395e-002
PA2 = 1.960356e-008

PTCA0 = 0.000000e+000
PTCA1 = 3.299344e+000
PTCA2 = 6.452748e-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
14.53	186.4	22.9	14.25	-0.02
310.92	5085.9	22.9	309.83	-0.07
607.28	9985.0	22.9	606.35	-0.06
903.55	14868.4	23.0	902.83	-0.05
1199.99	19741.2	23.1	1199.58	-0.03
1496.43	24602.6	23.2	1496.58	0.01
903.37	14895.7	23.2	904.41	0.07
607.06	10015.2	23.3	608.03	0.06
310.23	5112.4	23.5	311.21	0.06
14.52	200.8	23.6	14.84	0.02

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	273.10		
29.00	246.57		
24.00	215.26		
18.50	182.28		
15.00	159.31		
4.50	114.20		
1.00	92.89		

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

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

Date, Avg Delta P %FS

09-Jun-09 -0.00

