

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: 3533
 CALIBRATION DATE: 28-Aug-06

SBE 37 PRESSURE CALIBRATION DATA
 508 psia S/N 5295

COEFFICIENTS:

PA0 = -2.204887e-001
 PA1 = 2.395715e-002
 PA2 = 1.700687e-009

PTCA0 = -6.932753e+002
 PTCA1 = -2.454987e-001
 PTCA2 = -7.943946e-003
 PTCB0 = 2.425913e+001
 PTCB1 = -1.175000e-003
 PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.57	-85.9	21.9	14.57	-0.00
104.67	3668.2	22.3	104.64	-0.01
204.65	7833.1	22.2	204.62	-0.01
304.63	11995.9	22.3	304.61	-0.01
404.61	16156.4	22.3	404.60	-0.00
504.59	20314.1	22.3	504.58	-0.00
404.60	16157.9	22.3	404.63	0.01
304.62	11997.4	22.2	304.64	0.00
204.64	7834.5	22.3	204.65	0.00
104.63	3669.4	22.2	104.67	0.01
14.57	-86.3	22.3	14.56	-0.00

THERMAL CORRECTION

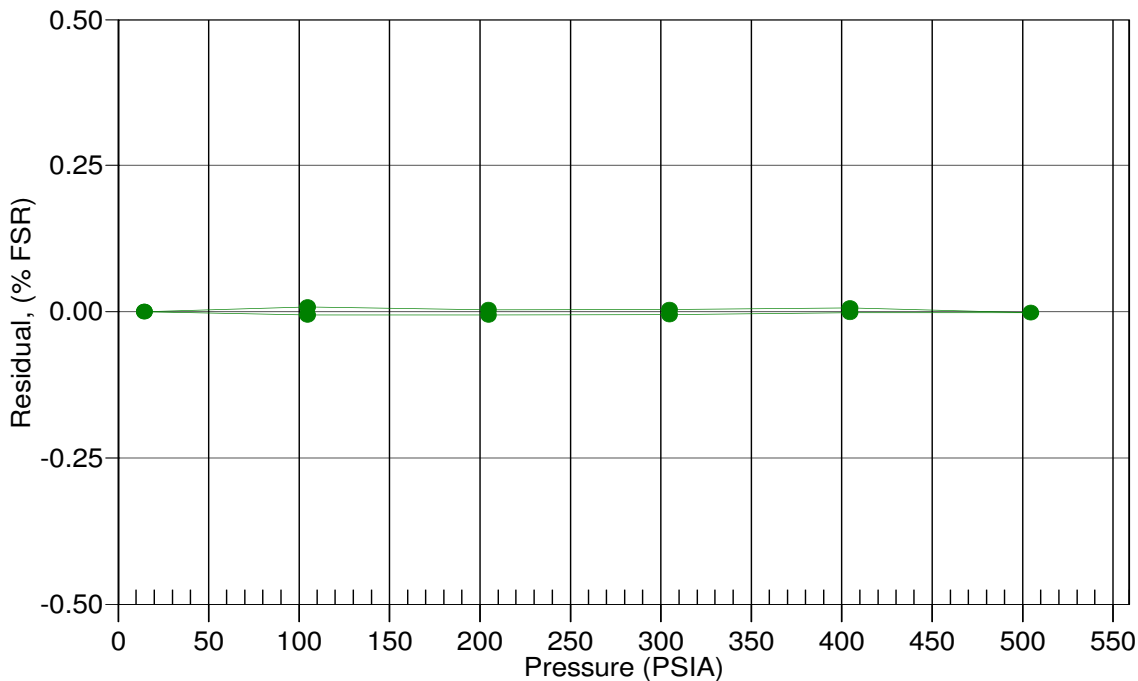
TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	-51.30	-5.00	24.27
29.00	-49.10	35.00	24.22
24.00	-45.30		
18.50	-42.20		
15.00	-40.60		
4.50	-36.40		
1.00	-35.20		

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

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

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

Date, Avg Delta P %FS



28-Aug-06 -0.00