

# 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: 0436  
CALIBRATION DATE: 07-Nov-07

SBE19 PRESSURE CALIBRATION DATA  
500 psia S/N 195991 TCV: 44

**QUADRATIC COEFFICIENTS:**

PA0 = 2.505127e+002  
PA1 = -6.517242e-002  
PA2 = 5.184996e-008

**STRAIGHT LINE FIT:**

M = -6.515582e-002  
B = 2.508109e+002

PRESSURE PSIA	INST OUTPUT(N)	COMPUTED PSIA	ERROR %FS	LINEAR PSIA	ERROR %FS
14.69	3630.0	14.62	-0.01	14.30	-0.08
99.98	2319.0	99.66	-0.06	99.71	-0.05
200.01	781.0	199.64	-0.07	199.92	-0.02
299.99	-757.0	299.88	-0.02	300.13	0.03
399.37	-2278.0	399.24	-0.02	399.24	-0.03
499.99	-3815.0	499.90	-0.02	499.38	-0.12
399.99	-2293.0	400.23	0.05	400.21	0.04
299.36	-753.0	299.62	0.05	299.87	0.10
200.00	772.0	200.23	0.05	200.51	0.10
100.00	2311.0	100.18	0.04	100.24	0.05
14.69	3626.0	14.88	0.04	14.56	-0.03

**Straight Line Fit:**

Pressure (psia) = M \* N + B (N = binary output)

**Quadratic Fit:**

pressure (psia) = PA0 + PA1 \* N + PA2 \* N<sup>2</sup>

Residual = (instrument pressure - true pressure) \* 100 / Full Scale Range

Date, Avg Delta P %FS

07-Nov-07 0.00

