

# SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0436  
CALIBRATION DATE: 21-Mar-11

SBE19 PRESSURE CALIBRATION DATA  
870 psia S/N 2852184 TCV: 44

**QUADRATIC COEFFICIENTS:**

PA0 = 5.142604e+002  
PA1 = -1.434727e-001  
PA2 = 5.433822e-008

**STRAIGHT LINE FIT:**

M = -1.434005e-001  
B = 5.144445e+002

PRESSURE PSIA	INST OUTPUT(N)	COMPUTED PSIA	ERROR %FS	LINEAR PSIA	ERROR %FS
14.40	3488.0	14.49	0.01	14.26	-0.02
179.63	2335.0	179.55	-0.01	179.60	-0.00
359.66	1081.0	359.23	-0.05	359.43	-0.03
539.67	-178.0	539.80	0.02	539.97	0.03
719.67	-1431.0	719.68	0.00	719.65	-0.00
874.65	-2508.0	874.43	-0.03	874.09	-0.06
719.67	-1432.0	719.82	0.02	719.79	0.01
539.68	-180.0	540.09	0.05	540.26	0.07
359.68	1079.0	359.52	-0.02	359.72	0.00
179.68	2334.0	179.69	0.00	179.75	0.01
14.40	3488.0	14.49	0.01	14.26	-0.02

**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

21-Mar-11 -0.00

