

# SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0350  
CALIBRATION DATE: 06-Sep-07

SBE29 PRESSURE CALIBRATION DATA  
1000 psia S/N 183808 TCV: 1046

**QUADRATIC COEFFICIENTS:**

PA0 = 5.264207e+002  
PA1 = -1.383119e-001  
PA2 = 1.511296e-007

**STRAIGHT LINE FIT:**

M = -1.381942e-001  
B = 5.271904e+002

PRESSURE PSIA	INST OUTPUT(N)	COMPUTED PSIA	ERROR %FS	LINEAR PSIA	ERROR %FS
14.68	3718.0	14.27	-0.04	13.38	-0.13
199.48	2376.0	198.64	-0.08	198.84	-0.06
398.67	931.0	397.78	-0.09	398.53	-0.01
599.09	-522.0	598.66	-0.04	599.33	0.02
799.21	-1967.0	799.06	-0.01	799.02	-0.02
998.90	-3402.0	998.71	-0.02	997.33	-0.16
800.12	-1978.0	800.59	0.05	800.54	0.04
596.57	-510.0	597.00	0.04	597.67	0.11
400.48	906.0	401.23	0.08	401.99	0.15
199.61	2364.0	200.30	0.07	200.50	0.09
14.67	3711.0	15.23	0.06	14.35	-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

