

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0105  
CALIBRATION DATE: 05-Sep-13

SBE29 PRESSURE CALIBRATION DATA  
1000 psia S/N 136405 TCV: 214

**QUADRATIC COEFFICIENTS:**

PA0 = 5.275928e+002  
PA1 = -1.382402e-001  
PA2 = 1.273891e-007

**STRAIGHT LINE FIT:**

M = -1.381398e-001  
B = 5.282431e+002

PRESSURE PSIA	INST OUTPUT(N)	COMPUTED PSIA	ERROR %FS	LINEAR PSIA	ERROR %FS
14.62	3725.0	14.42	-0.02	13.67	-0.09
199.91	2378.0	199.58	-0.03	199.75	-0.02
399.92	927.0	399.55	-0.04	400.19	0.03
599.93	-521.0	599.65	-0.03	600.21	0.03
799.94	-1965.0	799.73	-0.02	799.69	-0.02
999.92	-3406.0	999.92	0.00	998.75	-0.12
799.97	-1968.0	800.14	0.02	800.10	0.01
599.97	-526.0	600.34	0.04	600.90	0.09
399.96	922.0	400.24	0.03	400.88	0.09
199.93	2373.0	200.27	0.03	200.44	0.05
14.62	3722.0	14.83	0.02	14.09	-0.05

**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

05-Sep-13 0.00

