

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0653  
CALIBRATION DATE: 24-Nov-15

SBE 16 PRESSURE CALIBRATION DATA  
FSR: 1000 psia S/N 101365720 TCV:

## QUADRATIC COEFFICIENTS:

PA0 =  $-3.436364e+003$   
PA1 =  $-7.166641e-002$   
PA2 =  $5.262975e-006$

## STRAIGHT LINE FIT:

M =  $2.952756e-001$   
B =  $-9.826247e+003$

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	LINEAR FIT (PSIA)	LINEAR RESIDUAL (%FSR)
14.50	33304.8	14.53	0.00	7.83	-0.67
199.78	33960.8	199.75	-0.00	201.54	0.18
399.79	34651.8	399.77	-0.00	405.59	0.58
599.81	35326.2	599.80	-0.00	604.71	0.49
799.82	35985.0	799.85	0.00	799.25	-0.06
999.79	36628.8	999.74	-0.01	989.33	-1.05
799.85	35985.1	799.87	0.00	799.26	-0.06
599.86	35326.6	599.94	0.01	604.85	0.50
399.83	34651.9	399.79	-0.00	405.61	0.58
199.81	33960.8	199.76	-0.01	201.55	0.17
14.51	33304.8	14.53	0.00	7.84	-0.67

n = instrument output (counts)

Straight Line Fit: Pressure (PSIA) = M \* n + B

Quadratic Fit: Pressure (PSIA) = PA0 + PA1 \* n + PA2 \* n<sup>2</sup>

Residual (%FSR) = (computed pressure - true pressure) \* 100 / Full Scale Range

