

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1448
CALIBRATION DATE: 17-Jan-17

SBE 19 PRESSURE CALIBRATION DATA
FSR: 870 psia S/N 2992685 TCV: 109

QUADRATIC COEFFICIENTS:
PA0 = 5.139485e+002
PA1 = -1.435514e-001
PA2 = 4.410902e-008

STRAIGHT LINE FIT:
M = -1.434921e-001
B = 5.140964e+002

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	LINEAR FIT (PSIA)	LINEAR RESIDUAL (%FSR)
14.49	3482.0	14.64	0.02	14.46	-0.00
179.74	2332.0	179.43	-0.04	179.47	-0.03
359.75	1077.0	359.39	-0.04	359.56	-0.02
539.75	-181.0	539.93	0.02	540.07	0.04
719.75	-1433.0	719.75	-0.00	719.72	-0.00
869.74	-2475.0	869.51	-0.03	869.24	-0.06
719.77	-1434.0	719.89	0.01	719.86	0.01
539.78	-183.0	540.22	0.05	540.36	0.07
359.77	1075.0	359.68	-0.01	359.84	0.01
179.76	2330.0	179.71	-0.01	179.76	-0.00
14.49	3482.0	14.64	0.02	14.46	-0.00

n = instrument output (counts)

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

Quadratic Fit: Pressure (PSIA) = PA0 + PA1 * n + PA2 * n²

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

