

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0436
CALIBRATION DATE: 17-Dec-14

SBE 19 PRESSURE CALIBRATION DATA
FSR: 870 psia S/N 2852184 TCV: 44

QUADRATIC COEFFICIENTS:

PA0 = 5.143823e+002
PA1 = -1.434338e-001
PA2 = 5.928716e-008

STRAIGHT LINE FIT:

M = -1.433536e-001
B = 5.145812e+002

PRESSURE PSIA	INST OUTPUT (N)	COMPUTED PSIA	ERROR %FS	LINEAR PSIA	ERROR %FS
14.52	3490.0	14.52	0.00	14.28	-0.03
179.81	2335.0	179.79	-0.00	179.85	0.00
359.81	1080.0	359.54	-0.03	359.76	-0.01
539.81	-178.0	539.92	0.01	540.10	0.03
719.81	-1432.0	719.90	0.01	719.86	0.01
869.81	-2474.0	869.60	-0.02	869.24	-0.07
719.82	-1432.0	719.90	0.01	719.86	0.01
539.82	-180.0	540.20	0.04	540.38	0.06
359.82	1080.0	359.54	-0.03	359.76	-0.01
179.81	2335.0	179.79	-0.00	179.85	0.00
14.52	3489.0	14.66	0.02	14.42	-0.01

Straight Line Fit:

Pressure (psia) = M * N + B (N = binary output)

Quadratic Fit:

pressure (psia) = PA0 + PA1 * N + PA2 * N²

Residual = (instrument pressure - true pressure) * 100 / Full Scale Range

