

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0650
CALIBRATION DATE: 12-Jan-17

SBE 19 PRESSURE CALIBRATION DATA
FSR: 1000 psia S/N 146055 TCV:

QUADRATIC COEFFICIENTS:

PA0 = 5.005463e+002
PA1 = -1.309257e-001
PA2 = 1.364340e-007

STRAIGHT LINE FIT:

M = -1.308682e-001
B = 5.013397e+002

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	LINEAR FIT (PSIA)	LINEAR RESIDUAL (%FSR)
14.72	3727.0	14.48	-0.02	13.59	-0.11
199.98	2304.0	199.62	-0.04	199.82	-0.02
399.98	772.0	399.55	-0.04	400.31	0.03
599.99	-756.0	599.60	-0.04	600.28	0.03
799.98	-2280.0	799.77	-0.02	799.72	-0.03
999.95	-3799.0	999.90	-0.00	998.51	-0.14
800.00	-2284.0	800.29	0.03	800.24	0.02
600.03	-762.0	600.39	0.04	601.06	0.10
400.02	765.0	400.47	0.04	401.23	0.12
199.99	2299.0	200.27	0.03	200.47	0.05
14.72	3723.0	15.00	0.03	14.12	-0.06

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

