

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0355
CALIBRATION DATE: 18-Jan-16

SBE 19 PRESSURE CALIBRATION DATA
FSR: 2900 psia S/N 4632581 TCV:

QUADRATIC COEFFICIENTS:
PA0 = 1.727821e+003
PA1 = -4.778963e-001
PA2 = 4.905002e-008

STRAIGHT LINE FIT:
M = -4.778215e-001
B = 1.727976e+003

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	LINEAR FIT (PSIA)	LINEAR RESIDUAL (%FSR)
14.60	3586.0	14.72	0.00	14.51	-0.00
590.71	2379.4	590.99	0.01	591.05	0.01
1168.27	1172.7	1167.46	-0.03	1167.63	-0.02
1745.69	-37.9	1745.93	0.01	1746.09	0.01
2322.40	-1245.8	2323.26	0.03	2323.25	0.03
2899.38	-2448.9	2898.44	-0.03	2898.11	-0.04
2322.52	-1246.0	2323.36	0.03	2323.34	0.03
1744.89	-36.0	1745.02	0.00	1745.18	0.01
1169.17	1171.2	1168.18	-0.03	1168.35	-0.03
591.53	2377.9	591.71	0.01	591.76	0.01
14.60	3586.0	14.72	0.00	14.51	-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

