

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0813
CALIBRATION DATE: 22-Aug-11

SBE19 PRESSURE CALIBRATION DATA
1000 psia S/N 149786 TCV: -26

QUADRATIC COEFFICIENTS:

PA0 = 4.979474e+002
PA1 = -1.306039e-001
PA2 = 8.920332e-008

STRAIGHT LINE FIT:

M = -1.305703e-001
B = 4.984692e+002

PRESSURE PSIA	INST OUTPUT(N)	COMPUTED PSIA	ERROR %FS	LINEAR PSIA	ERROR %FS
14.58	3712.0	14.37	-0.02	13.79	-0.08
199.83	2290.0	199.33	-0.05	199.46	-0.04
399.82	759.0	398.87	-0.10	399.37	-0.05
599.82	-778.0	599.61	-0.02	600.05	0.02
799.80	-2306.0	799.59	-0.02	799.56	-0.02
999.74	-3832.0	999.73	-0.00	998.81	-0.09
799.82	-2308.0	799.86	0.00	799.83	0.00
599.86	-786.0	600.66	0.08	601.10	0.12
399.87	749.0	400.18	0.03	400.67	0.08
199.87	2280.0	200.63	0.08	200.77	0.09
14.58	3709.0	14.76	0.02	14.18	-0.04

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

Date, Avg Delta P %FS

22-Aug-11 -0.00

