

SEA-BIRD ELECTRONICS, INC.

13431 NE 20th Street, Bellevue, Washington, 98005-2010 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0650

CALIBRATION DATE: 11-Apr-11

SBE19 PRESSURE CALIBRATION DATA

1000 psia S/N 146055 TCV: -140

QUADRATIC COEFFICIENTS:

PA0 = 5.002609e+002

PA1 = -1.308746e-001

PA2 = 1.303483e-007

STRAIGHT LINE FIT:

M = -1.308203e-001

B = 5.010195e+002

PRESSURE PSIA	INST OUTPUT(N)	COMPUTED PSIA	ERROR %FS	LINEAR PSIA	ERROR %FS
14.70	3727.0	14.30	-0.04	13.45	-0.13
199.94	2303.0	199.55	-0.04	199.74	-0.02
399.92	771.0	399.43	-0.05	400.16	0.02
599.95	-758.0	599.54	-0.04	600.18	0.02
799.93	-2283.0	799.73	-0.02	799.68	-0.03
999.89	-3803.0	999.86	-0.00	998.53	-0.14
799.96	-2287.0	800.25	0.03	800.21	0.02
600.00	-764.0	600.33	0.03	600.97	0.10
400.00	763.0	400.48	0.05	401.20	0.12
200.00	2296.0	200.46	0.05	200.66	0.07
14.71	3721.0	15.08	0.04	14.24	-0.05

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

11-Apr-11 0.00

