

SBE 194652-775

06 May 1991

Pressure calibration: PAINE 211-75-710-01 300 psia S/N 148171

## Straight Line Fit:

$$\text{Pressure(psia)} = M * N + B \quad (N = \text{Binary output})$$

$$M = -0.03914 \quad B = 149.99$$

## Quadratic Fit:

$$\text{Pressure(psia)} = A0 + A1 * N + A2 * N * N \quad (N = \text{binary output})$$

$$A0 = 149.79764 \quad A1 = -3.912954e-02 \quad A2 = 3.041811e-08$$

Pressure (psi)	Output (N)	Straight Line Fit		Quadratic Fit	
		error, psi	error, %FS	error, psi	error, %FS
14.68	<u>3465.93</u>	-0.342	-0.11	-0.137	-0.05
60.04	<u>2302.57</u>	-0.169	-0.06	-0.180	-0.06
120.08	<u>766.45</u>	-0.086	-0.03	-0.255	-0.09
180.12	<u>-770.89</u>	0.044	0.01	-0.140	-0.05
240.16	<u>-2301.92</u>	-0.072	-0.02	-0.128	-0.04
300.20	<u>-3832.22</u>	-0.217	-0.07	-0.003	-0.00
240.16	<u>-2306.76</u>	0.117	0.04	0.062	0.02
180.12	<u>-782.81</u>	0.511	0.17	0.327	0.11
120.08	<u>756.39</u>	0.307	0.10	0.138	0.05
60.04	<u>2294.81</u>	0.135	0.04	0.123	0.04
14.68	<u>3457.39</u>	-0.008	-0.00	0.195	0.07

Output binary values are averages of 101 samples taken at 2 Hz.

SEASOFT Versions 3.3M and higher will prompt for A0, A1, and A2

SEASOFT Versions 3.3L and lower will prompt for M and B