

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0826

CALIBRATION DATE: 11-Sep-14

SBE 37 PRESSURE CALIBRATION DATA

FSR: 1500 psia S/N 192106

COEFFICIENTS:

PA0 = 9.215834e+000

PA1 = 6.012049e-002

PA2 = 1.950952e-008

PTCA1 = 3.083534e+000

PTCA2 = 2.660555e-002

PRESSURE SPAN CALIBRATION					THERMAL CORRECTION	
PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS	TEMP ITS90	INST OUTPUT
14.75	175.0	23.0	14.63	-0.01	32.50	231.00
315.02	5151.3	23.0	314.31	-0.05	29.00	215.18
615.04	10116.8	23.0	614.30	-0.05	24.00	193.02
914.98	15067.8	23.0	914.37	-0.04	18.50	169.55
1214.98	20005.3	23.0	1214.58	-0.03	15.00	153.15
1514.99	24930.0	23.0	1514.95	-0.00	4.50	120.19
1214.99	20019.5	23.0	1215.44	0.03	1.00	104.51
915.06	15089.6	23.0	915.69	0.04		
615.07	10142.1	23.0	615.83	0.05		
315.12	5174.7	23.0	315.72	0.04		
14.75	180.1	23.0	14.93	0.01		

t = temperature (ITS90 °C)

n = instrument output - (PTCA1 * t + PTCA2 * t²)

pressure (psia) = PA0 + PA1 * n + PA2 * n²

