

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0827

CALIBRATION DATE: 11-Sep-14

SBE 37 PRESSURE CALIBRATION DATA

FSR: 1500 psia S/N 192107

COEFFICIENTS:

PA0 = 1.361033e+000

PA1 = 6.006874e-002

PA2 = 1.829994e-008

PTCA1 = 2.335374e+000

PTCA2 = 1.707275e-002

PRESSURE SPAN CALIBRATION					THERMAL CORRECTION	
PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS	TEMP ITS90	INST OUTPUT
14.75	283.5	23.0	14.62	-0.01	32.50	326.30
315.02	5265.3	23.0	314.37	-0.04	29.00	314.47
615.04	10235.0	23.0	614.29	-0.05	24.00	298.52
914.98	15192.1	23.0	914.35	-0.04	18.50	281.55
1214.98	20137.3	23.0	1214.59	-0.03	15.00	270.04
1514.99	25069.8	23.0	1514.95	-0.00	4.50	245.29
1214.99	20151.4	23.0	1215.45	0.03	1.00	233.40
915.06	15214.3	23.0	915.70	0.04		
615.07	10260.3	23.0	615.82	0.05		
315.12	5287.1	23.0	315.68	0.04		
14.75	288.6	23.0	14.93	0.01		

t = temperature (ITS90 °C)

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

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

