

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0417

CALIBRATION DATE: 22-Sep-15

SBE 37 PRESSURE CALIBRATION DATA

FSR: 1500 psia S/N 189026

COEFFICIENTS:

PA0 = -2.353105e+000

PA1 = 6.003983e-002

PA2 = 2.059457e-008

PTCA1 = 8.360095e-002

PTCA2 = 9.265921e-003

PRESSURE SPAN CALIBRATION					THERMAL CORRECTION	
PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS	TEMP ITS90	INST OUTPUT
14.62	288.8	24.8	14.52	-0.01	32.50	312.60
311.42	5213.4	24.9	310.75	-0.04	29.00	311.98
608.43	10132.2	24.9	607.62	-0.05	24.00	308.74
905.42	15040.2	24.9	904.84	-0.04	18.50	305.97
1202.40	19931.0	24.9	1202.01	-0.03	15.00	302.12
1499.28	24806.4	24.9	1499.21	-0.00	4.50	303.58
1202.37	19944.0	25.0	1202.79	0.03	1.00	299.74
905.35	15060.8	25.0	906.09	0.05		
608.40	10157.6	25.0	609.16	0.05		
311.36	5231.3	25.1	311.82	0.03		
14.61	294.2	25.1	14.83	0.01		

t = temperature (ITS90 °C)

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

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

