

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 6353
 CALIBRATION DATE: 24-Dec-14

SBE 19plus V2 PRESSURE CALIBRATION DATA
 FSR: 870 psia S/N 2940592

COEFFICIENTS:

PA0 = 4.216978e-001	PTCA0 = 5.250392e+005
PA1 = 2.632148e-003	PTCA1 = 1.449687e+001
PA2 = 2.363105e-011	PTCA2 = -3.138248e-001
PTEMPA0 = -6.644603e+001	PTCB0 = 2.513975e+001
PTEMPA1 = 5.147445e+001	PTCB1 = 9.500000e-004
PTEMPA2 = -2.583482e-001	PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE PSIA	INST OUTPUT	THERMISTOR OUTPUT	COMPUTED PRESSURE	ERROR %FS	TEMP ITS90	THERMISTOR OUTPUT	INST OUTPUT
14.56	530579.0	1.7	14.56	-0.00	32.50	1.94	530809.00
179.84	593372.0	1.7	179.82	-0.00	29.00	1.87	530817.73
359.85	661685.0	1.7	359.82	-0.00	24.00	1.77	530826.13
539.85	729920.0	1.7	539.83	-0.00	18.50	1.66	530824.64
719.84	798077.0	1.7	719.85	0.00	15.00	1.60	530814.50
869.83	854793.0	1.7	869.82	-0.00	4.50	1.39	530730.84
719.84	798097.0	1.7	719.90	0.01	1.00	1.32	530672.24
539.85	729946.0	1.7	539.89	0.00			
359.86	661710.0	1.7	359.88	0.00			
179.85	593390.0	1.7	179.86	0.00			
14.56	530586.0	1.7	14.57	0.00			

	TEMP(ITS90)	SPAN(mV)
	-5.00	25.14
	35.00	25.17

$y = \text{thermistor output}; t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y^2$
 $x = \text{pressure output} - PTCA0 - PTCA1 * t - PTCA2 * t^2$
 $n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)$
 $\text{pressure (psia)} = PA0 + PA1 * n + PA2 * n^2$

