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SENSOR SERIAL NUMBER: 0043  
CALIBRATION DATE: 25-May-17

SBE 49 PRESSURE CALIBRATION DATA  
508 psia S/N 2013

#### COEFFICIENTS:

PA0 =	9.661790e-002	PTCA0 =	5.251411e+005
PA1 =	1.560610e-003	PTCA1 =	7.029502e+000
PA2 =	7.689922e-012	PTCA2 =	-1.828187e-001
PTEMPA0 =	-7.809776e+001	PTCB0 =	2.492563e+001
PTEMPA1 =	5.416486e+001	PTCB1 =	7.250000e-004
PTEMPA2 =	-1.488126e+000	PTCB2 =	0.000000e+000

#### PRESSURE SPAN CALIBRATION

#### THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	THERMISTOR OUTPUT (volts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	THERMISTOR OUTPUT (volts)	INSTRUMENT OUTPUT (counts)
14.56	534483.0	2.0	14.57	0.00	32.50	2.17	535208.47
104.76	592286.0	2.0	104.75	-0.00	29.00	2.10	535223.79
204.74	656327.0	2.0	204.72	-0.00	24.00	1.99	535237.64
304.72	720333.0	2.0	304.70	-0.00	18.50	1.88	535243.33
404.70	784306.0	2.0	404.69	-0.00	15.00	1.81	535235.63
504.71	848255.0	2.0	504.71	-0.00	4.50	1.60	535200.73
404.75	784354.0	2.0	404.77	0.00	1.00	1.52	535181.42
304.77	720398.0	2.0	304.80	0.01	TEMPERATURE (°C)      SPAN (mV)		
204.80	656382.0	2.0	204.80	0.00			
104.83	592349.0	2.0	104.84	0.00			
14.56	534480.0	2.0	14.56	-0.00	-5.00		24.92
					35.00		24.95

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 \* y + PTEMPA2 \* y<sup>2</sup>

x = instrument output - PTCA0 - PTCA1 \* t - PTCA2 \* t<sup>2</sup>

n = x \* PTCB0 / (PTCB0 + PTCB1 \* t + PTCB2 \* t<sup>2</sup>)

pressure (PSIA) = PA0 + PA1 \* n + PA2 \* n<sup>2</sup>

Residual (%FSR) = (computed pressure - true pressure) \* 100 / Full Scale Range

Date, Offset (%FSR)

● 25-May-17 0.00

