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SENSOR SERIAL NUMBER: 0042
CALIBRATION DATE: 10-Apr-19

SBE 49 PRESSURE CALIBRATION DATA
508 psia S/N 2012

COEFFICIENTS:

PA0 =	9.734799e-002	PTCA0 =	5.246553e+005
PA1 =	1.567208e-003	PTCA1 =	6.762066e+000
PA2 =	7.470692e-012	PTCA2 =	-1.765956e-001
PTEMPA0 =	-7.456369e+001	PTCB0 =	2.480350e+001
PTEMPA1 =	4.927528e+001	PTCB1 =	3.000000e-004
PTEMPA2 =	-2.250414e-001	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)
14.78	534095.0	2.0	14.79	0.00	32.50	2.19	534687.73
105.05	591668.0	2.0	105.03	-0.00	29.00	2.12	534703.05
205.05	655434.0	2.0	205.03	-0.00	24.00	2.02	534716.07
305.06	719171.0	2.0	305.05	-0.00	18.50	1.91	534720.35
405.07	782864.0	2.0	405.06	-0.00	15.00	1.83	534716.14
505.07	846517.0	2.0	505.07	-0.00	4.50	1.62	534680.74
405.07	782880.0	2.0	405.08	0.00	1.00	1.54	534662.64
305.07	719204.0	2.0	305.10	0.01	TEMPERATURE (°C)		SPAN
205.07	655461.0	2.0	205.07	0.00			
105.07	591702.0	2.0	105.08	0.00			
14.79	534100.0	2.0	14.80	0.00			
					-5.00		24.80
					35.00		24.81

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y²

x = instrument output - PTCA0 - PTCA1 * t - PTCA2 * t²

n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t²)

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

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

Date, Offset (%FSR)

● 10-Apr-19 -0.00

