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SENSOR SERIAL NUMBER: 0041
CALIBRATION DATE: 10-Apr-19

SBE 49 PRESSURE CALIBRATION DATA
508 psia S/N 1987

COEFFICIENTS:

PA0 =	8.150757e-002	PTCA0 =	5.246687e+005
PA1 =	1.560963e-003	PTCA1 =	5.898579e+000
PA2 =	6.462162e-012	PTCA2 =	-1.618148e-001
PTEMPA0 =	-7.305304e+001	PTCB0 =	2.490013e+001
PTEMPA1 =	5.073347e+001	PTCB1 =	2.250000e-004
PTEMPA2 =	-4.927172e-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	534140.0	1.9	14.78	-0.00	32.50	2.12	534851.10
105.05	591952.0	1.9	105.04	-0.00	29.00	2.05	534866.95
205.05	655977.0	1.9	205.04	-0.00	24.00	1.95	534880.85
305.06	719971.0	1.9	305.05	-0.00	18.50	1.84	534884.96
405.07	783933.0	1.9	405.06	-0.00	15.00	1.77	534884.05
505.07	847859.0	1.9	505.07	-0.00	4.50	1.55	534850.80
405.07	783950.0	1.9	405.09	0.00	1.00	1.48	534839.93
305.07	719996.0	1.9	305.09	0.00	TEMPERATURE (°C)		SPAN
205.07	655998.0	1.9	205.07	0.00			
105.07	591976.0	1.9	105.07	0.00			
14.79	534151.0	1.9	14.80	0.00			
					-5.00		24.90
					35.00		24.91

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

