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SENSOR SERIAL NUMBER: 13247
CALIBRATION DATE: 30-Nov-20

SBE 37 V2 PRESSURE CALIBRATION DATA
508 psia S/N 4369700

COEFFICIENTS:

PA0 = -7.169595e-002
PA1 = 1.608047e-003
PA2 = 7.067187e-011
PTEMPA0 = 2.157616e+002
PTEMPA1 = -6.650170e-002
PTEMPA2 = -1.178482e-005

PTCA0 = 5.240881e+005
PTCA1 = 1.141485e-002
PTCA2 = -9.697222e-002
PTCB0 = 2.498288e+001
PTCB1 = -4.250000e-004
PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	THERMISTOR OUTPUT (counts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	THERMISTOR OUTPUT (counts)	INSTRUMENT OUTPUT (counts)
14.52	533136.0	2119.0	14.56	0.01	32.50	2027	533539.00
104.79	589017.0	2115.0	104.75	-0.01	29.00	2058	533561.61
204.79	650678.0	2116.0	204.78	-0.00	24.00	2102	533585.39
304.80	712012.0	2114.0	304.81	0.00	18.50	2148	533607.83
404.80	773008.0	2113.0	404.82	0.00	15.00	2178	533620.66
504.81	833651.0	2111.0	504.77	-0.01	4.50	2266	533639.90
404.81	773017.0	2113.0	404.84	0.00	1.00	2296	533641.31
304.82	712027.0	2114.0	304.84	0.00	TEMPERATURE (°C)		SPAN
204.82	650699.0	2115.0	204.81	-0.00			
104.83	589048.0	2116.0	104.80	-0.00			
14.59	533145.0	2116.0	14.58	-0.00	-5.00		24.98
					35.00		24.97

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)

● 30-Nov-20 -0.00

