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SENSOR SERIAL NUMBER: 0992
CALIBRATION DATE: 12-Feb-24

SBE 39 PRESSURE CALIBRATION DATA
508 psia S/N 1345

COEFFICIENTS:

PA0 =	1.394453e+000	PTCA0 =	-2.623504e+000
PA1 =	2.411068e-002	PTCA1 =	3.450756e+000
PA2 =	1.376565e-009	PTCA2 =	-3.971575e-002
PTHA0 =	-6.229620e+001	PTCB0 =	2.499963e+001
PTHA1 =	5.111524e-002	PTCB1 =	-6.750000e-004
PTHA2 =	-9.483746e-008	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)
14.57	601.5	1667.2	14.58	0.00	-1.50	1192.30	545.90
117.95	4885.0	1666.8	117.95	0.00	1.00	1240.90	562.85
216.53	8970.5	1667.0	216.59	0.01	4.50	1309.90	577.05
311.13	12881.4	1667.8	311.06	-0.01	8.00	1378.70	585.36
412.30	17073.4	1667.6	412.37	0.01	11.50	1447.60	592.14
507.73	21017.5	1668.2	507.72	-0.00	15.00	1516.60	598.62
409.09	16937.2	1668.6	409.07	-0.00	18.50	1585.30	605.22
310.27	12848.5	1668.8	310.26	-0.00	22.00	1654.30	611.47
211.50	8759.8	1668.2	211.50	-0.00	25.50	1723.20	618.15
118.04	4888.1	1668.4	118.02	-0.00	29.00	1791.90	624.09
14.57	601.5	1669.2	14.57	-0.00	32.50	1861.00	629.89

TEMPERATURE (°C)	SPAN
-5.00	25.00
35.00	24.98

y = thermistor output (counts)

t = PTHA0 + PTHA1 * y + PTHA2 * 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

