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SENSOR SERIAL NUMBER: 16244
CALIBRATION DATE: 26-Feb-25

SBE 37 V2 PRESSURE CALIBRATION DATA
2900 psia S/N 10746411

COEFFICIENTS:

PA0 =	4.154397e-001	PTCA0 =	5.235619e+005
PA1 =	8.998486e-003	PTCA1 =	2.175773e+000
PA2 =	-1.623448e-010	PTCA2 =	-5.311134e-004
PTEMPA0 =	-6.056674e+001	PTCB0 =	2.498300e+001
PTEMPA1 =	5.467483e-002	PTCB1 =	3.990025e-004
PTEMPA2 =	-6.954251e-007	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)
14.58	525199.0	1543.2	14.71	0.00	32.50	1741	525279.42
591.49	589371.8	1547.4	591.26	-0.01	29.00	1674	525276.20
1168.57	653773.6	1548.2	1168.52	-0.00	24.00	1579	525267.83
1745.74	718330.0	1549.2	1745.82	0.00	18.50	1474	525251.69
2322.88	783015.6	1549.8	2322.91	0.00	15.00	1407	525240.75
2900.03	847840.4	1550.8	2899.89	-0.01	4.50	1209	525221.90
2322.89	783025.4	1550.0	2323.00	0.00	1.00	1143	525214.78
1745.81	718345.0	1549.6	1745.95	0.00	TEMPERATURE (°C) SPAN		
1168.65	653789.6	1549.4	1168.66	0.00			
591.32	589360.4	1549.0	591.15	-0.01			
14.57	525196.4	1551.0	14.68	0.00	-5.00		24.98
					35.10		25.00

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

