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SENSOR SERIAL NUMBER: 16245
CALIBRATION DATE: 26-Feb-25

SBE 37 V2 PRESSURE CALIBRATION DATA
2900 psia S/N 10746412

COEFFICIENTS:

PA0 =	3.537930e-001	PTCA0 =	5.232826e+005
PA1 =	9.024432e-003	PTCA1 =	1.098919e+000
PA2 =	-1.652799e-010	PTCA2 =	2.845281e-002
PTEMPA0 =	-5.926897e+001	PTCB0 =	2.507013e+001
PTEMPA1 =	5.462224e-002	PTCB1 =	-1.745636e-004
PTEMPA2 =	-7.212061e-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	524917.6	1522.2	14.76	0.01	32.50	1719	524997.55
591.49	588870.6	1526.4	591.28	-0.01	29.00	1652	524991.51
1168.57	653056.2	1527.0	1168.53	-0.00	24.00	1557	524978.87
1745.74	717402.4	1527.4	1745.87	0.00	18.50	1451	524963.96
2322.88	781868.8	1528.4	2322.91	0.00	15.00	1385	524954.08
2900.03	846482.0	1529.0	2899.88	-0.01	4.50	1186	524939.86
2322.89	781878.4	1528.8	2322.99	0.00	1.00	1120	524935.30
1745.81	717412.6	1528.2	1745.96	0.01	TEMPERATURE (°C) SPAN		
1168.65	653061.2	1527.8	1168.58	-0.00			
591.32	588856.2	1527.8	591.15	-0.01			
14.57	524903.6	1530.0	14.63	0.00	-5.00		25.07
					35.10		25.06

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

