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SENSOR SERIAL NUMBER: 16306  
CALIBRATION DATE: 27-Feb-25

SBE 37 V2 PRESSURE CALIBRATION DATA  
2900 psia S/N 10746538

#### COEFFICIENTS:

PA0 =	2.724870e-001	PTCA0 =	5.241904e+005
PA1 =	8.903169e-003	PTCA1 =	5.931311e-001
PA2 =	-1.588147e-010	PTCA2 =	3.932213e-002
PTEMPA0 =	-8.004893e+001	PTCB0 =	2.523775e+001
PTEMPA1 =	4.583583e-002	PTCB1 =	3.500000e-004
PTEMPA2 =	-7.258168e-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)
14.60	525842.4	2234.4	14.69	0.00	32.50	2465	525941.58
591.19	590680.2	2239.2	591.07	-0.00	29.00	2388	525932.04
1168.45	655775.8	2240.2	1168.40	-0.00	24.00	2278	525919.27
1745.71	721031.0	2241.0	1745.80	0.00	18.50	2157	525905.61
2322.88	786422.8	2242.0	2323.04	0.01	15.00	2081	525897.75
2900.18	851949.2	2242.4	2900.12	-0.00	4.50	1850	525886.12
2323.15	786411.6	2241.8	2322.95	-0.01	1.00	1773	525881.32
1745.60	721031.0	2241.0	1745.80	0.01	TEMPERATURE (°C)      SPAN		
1168.48	655786.6	2240.8	1168.49	0.00			
591.32	590686.6	2240.0	591.12	-0.01			
14.60	525843.0	2243.4	14.69	0.00	-5.00		25.24
					35.00		25.25

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 \* y + PTEMPA2 \* y<sup>2</sup>

x = instrument output - PTCA0 - PTCA1 \* t - PTCA2 \* t<sup>2</sup>

n = x \* PTCB0 / (PTCB0 + PTCB1 \* t + PTCB2 \* t<sup>2</sup>)

pressure (PSIA) = PA0 + PA1 \* n + PA2 \* n<sup>2</sup>

Residual (%FSR) = (computed pressure - true pressure) \* 100 / Full Scale Range

