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SENSOR SERIAL NUMBER: 9309
CALIBRATION DATE: 14-Nov-23

SBE 37 V2 PRESSURE CALIBRATION DATA
870 psia S/N 3270608

COEFFICIENTS:

PA0 = 3.130163e-001
PA1 = 2.774287e-003
PA2 = 1.673334e-011
PTempa0 = -5.935417e+001
PTempa1 = 5.521038e-002
PTempa2 = -8.274784e-007

PTCA0 = 5.248238e+005
PTCA1 = 8.171406e+000
PTCA2 = -1.406094e-001
PTCB0 = 2.515675e+001
PTCB1 = -5.000000e-005
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	530116.0	1519.0	14.68	0.02	32.50	1707	530325.00
179.80	589584.0	1519.0	179.74	-0.01	29.00	1641	530330.00
359.83	654396.0	1520.0	359.77	-0.01	24.00	1546	530327.00
539.83	719162.0	1520.0	539.81	-0.00	18.50	1441	530312.00
719.82	783863.0	1519.0	719.80	-0.00	15.00	1375	530299.00
869.83	837735.0	1520.0	869.78	-0.01	4.50	1177	530244.00
719.78	783885.0	1519.0	719.86	0.01	1.00	1112	530218.00
539.80	719182.0	1518.0	539.86	0.01			
359.80	654416.0	1518.0	359.82	0.00			
179.78	589598.0	1517.0	179.78	0.00			
14.52	530010.0	1518.0	14.39	-0.01			
					TEMPERATURE (°C)		SPAN
					-5.00		25.16
					35.00		25.16

y = thermistor output (counts)

t = PTempa0 + PTempa1 * y + PTempa2 * y²

x = instrument output - PTCA0 - PTCA1 * t - PTCA2 * t²

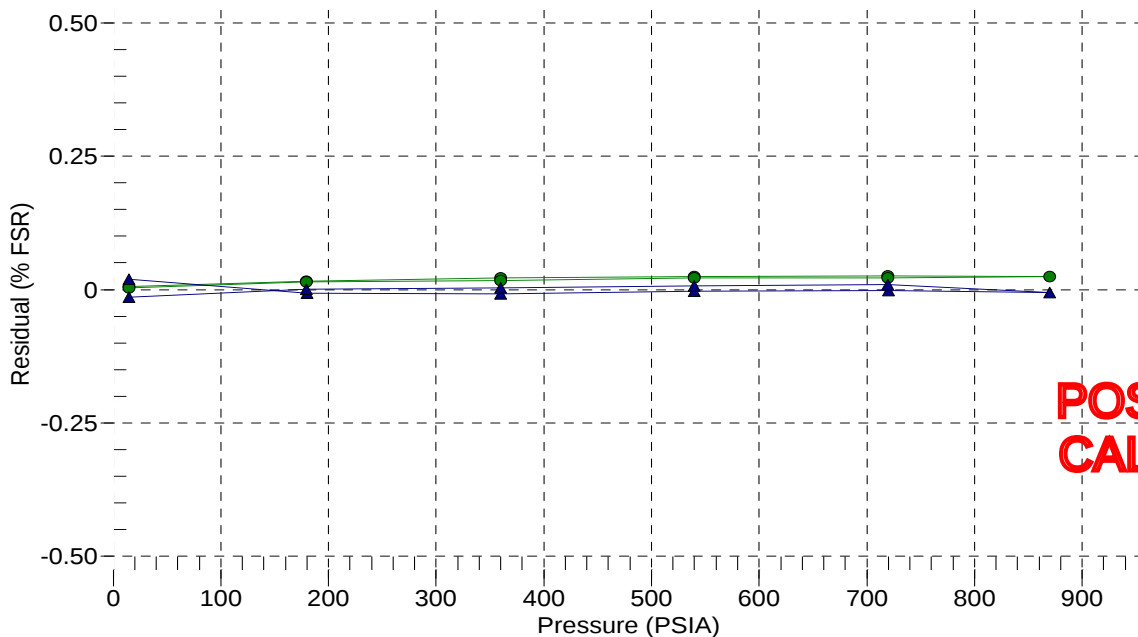
n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t²)

pressure (PSIA) = PA0 + PA1 * n + PA2 * n²

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

Date, Offset (%FSR)

● 07-Sep-21 0.02
▲ 14-Nov-23 0.00



**POST CRUISE
CALIBRATION**