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SENSOR SERIAL NUMBER: 15274  
CALIBRATION DATE: 24-Feb-25

SBE 37 V2 PRESSURE CALIBRATION DATA  
2900 psia S/N 10494993

#### COEFFICIENTS:

PA0 =	1.039297e-001	PTCA0 =	5.242648e+005
PA1 =	9.013986e-003	PTCA1 =	2.727794e+000
PA2 =	-1.827255e-010	PTCA2 =	-1.121194e-001
PTEMPA0 =	-6.394961e+001	PTCB0 =	2.527950e+001
PTEMPA1 =	5.267595e-002	PTCB1 =	-3.000000e-004
PTEMPA2 =	-5.515026e-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)
14.40	525904.4	1634.0	14.81	0.01	32.50	1867	525888.90
591.39	589907.0	1640.0	591.09	-0.01	29.00	1799	525909.52
1168.87	654238.0	1642.0	1168.82	-0.00	24.00	1700	525926.98
1745.81	718672.2	1643.8	1745.95	0.00	18.50	1592	525934.43
2322.90	783263.8	1645.6	2322.98	0.00	15.00	1523	525933.68
2900.09	848014.8	1647.2	2899.89	-0.01	4.50	1318	525931.25
2323.01	783279.0	1647.4	2323.12	0.00	1.00	1249	525926.30
1745.75	718666.0	1648.4	1745.91	0.01	TEMPERATURE (°C)		SPAN
1168.62	654213.8	1648.0	1168.61	-0.00			
591.45	589917.0	1649.0	591.19	-0.01			
14.38	525845.6	1653.0	14.30	-0.00	-5.00		25.28
					35.00		25.27

y = thermistor output (counts)

$$t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y^2$$

$$x = \text{instrument output} - PTCA0 - PTCA1 * t - PTCA2 * t^2$$

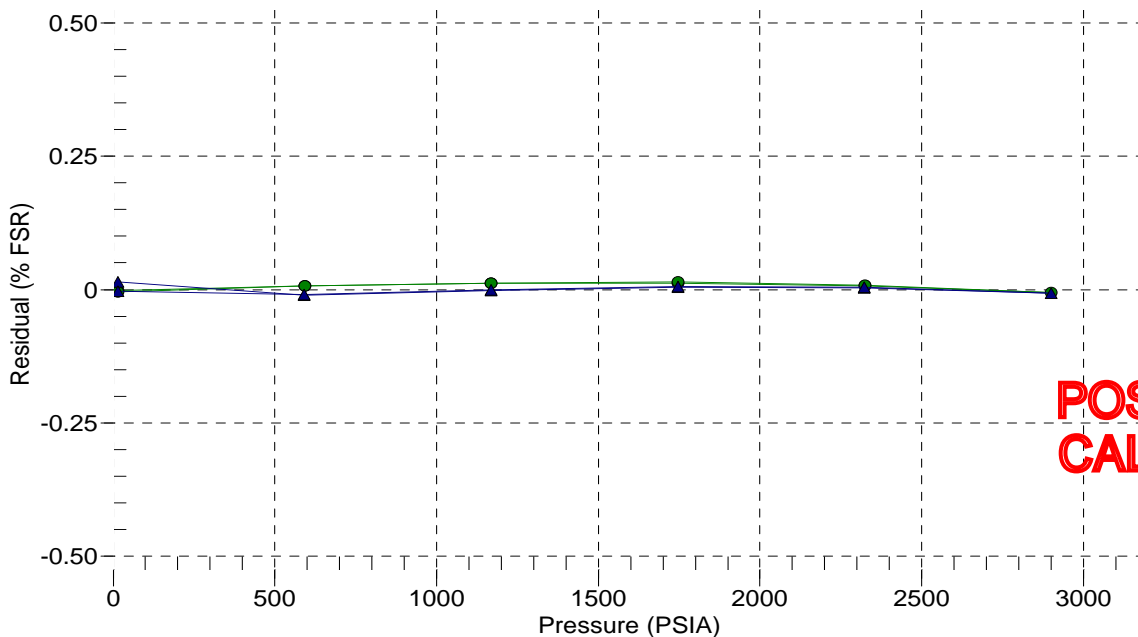
$$n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)$$

$$\text{pressure (PSIA)} = PA0 + PA1 * n + PA2 * n^2$$

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

Date, Offset (%FSR)

● 24-Oct-17 0.01  
▲ 24-Feb-25 0.00



**POST CRUISE  
CALIBRATION**