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SENSOR SERIAL NUMBER: 16256
CALIBRATION DATE: 26-Feb-25

SBE 37 V2 PRESSURE CALIBRATION DATA
2900 psia S/N 10723494

COEFFICIENTS:

PA0 =	-3.568273e-001	PTCA0 =	5.242333e+005
PA1 =	8.959324e-003	PTCA1 =	-6.975590e-001
PA2 =	-1.547235e-010	PTCA2 =	-5.529019e-002
PTEMPA0 =	-5.830907e+001	PTCB0 =	2.498938e+001
PTEMPA1 =	5.373543e-002	PTCB1 =	-5.250000e-004
PTEMPA2 =	-5.260536e-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	525873.2	1518.2	14.72	0.00	32.50	1719	525918.26
591.49	590273.4	1522.8	591.30	-0.01	29.00	1652	525937.58
1168.57	654889.0	1523.2	1168.52	-0.00	24.00	1556	525957.18
1745.74	719663.2	1524.4	1745.86	0.00	18.50	1450	525966.44
2322.88	784551.2	1524.8	2322.90	0.00	15.00	1383	525977.68
2900.03	849579.4	1525.8	2899.89	-0.00	4.50	1183	526000.03
2322.89	784560.8	1525.0	2322.99	0.00	1.00	1116	526000.11
1745.81	719672.8	1525.0	1745.94	0.00			
1168.65	654899.4	1524.2	1168.62	-0.00			
591.32	590254.4	1524.4	591.14	-0.01			
14.57	525864.8	1526.6	14.66	0.00			
					TEMPERATURE (°C)		SPAN
					-5.00		24.99
					35.00		24.97

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y²

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

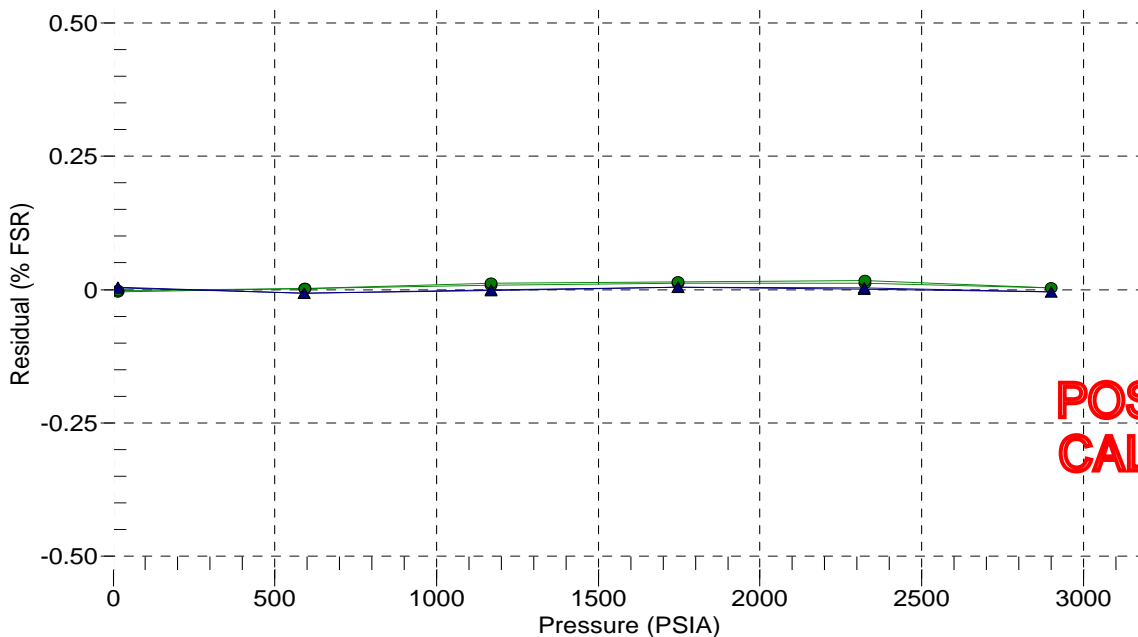
n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t²)

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

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

Date, Offset (%FSR)

● 03-Oct-17 0.01
▲ 26-Feb-25 0.00



**POST CRUISE
CALIBRATION**