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SENSOR SERIAL NUMBER: 16242
CALIBRATION DATE: 26-Feb-25

SBE 37 V2 PRESSURE CALIBRATION DATA
2900 psia S/N 10723832

COEFFICIENTS:

PA0 =	3.962178e-001	PTCA0 =	5.241626e+005
PA1 =	9.114518e-003	PTCA1 =	3.699503e+000
PA2 =	-1.600548e-010	PTCA2 =	-5.925316e-002
PTEMPA0 =	-5.690169e+001	PTCB0 =	3.064031e+005
PTEMPA1 =	5.402688e-002	PTCB1 =	-2.752003e+001
PTEMPA2 =	-7.292020e-007	PTCB2 =	1.316803e+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)
14.57	525787.0	1487.4	14.72	0.01	32.50	1693	525854.10
591.48	589125.2	1491.6	591.28	-0.01	29.00	1626	525858.58
1168.51	652675.4	1492.2	1168.47	-0.00	24.00	1529	525856.94
1745.75	716388.2	1493.8	1745.84	0.00	18.50	1423	525846.87
2322.86	780212.2	1494.2	2322.91	0.00	15.00	1356	525838.52
2900.02	844167.4	1495.2	2899.85	-0.01	4.50	1155	525813.94
2322.68	780203.0	1494.2	2322.82	0.01	1.00	1088	525803.87
1745.71	716389.0	1493.8	1745.84	0.00			
1168.56	652682.4	1493.6	1168.53	-0.00			
591.35	589110.2	1493.6	591.13	-0.01			
14.56	525779.2	1493.6	14.65	0.00			

TEMPERATURE (°C)	SPAN
4.32	306308.88
22.95	306465.05
34.50	307021.22

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y²

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

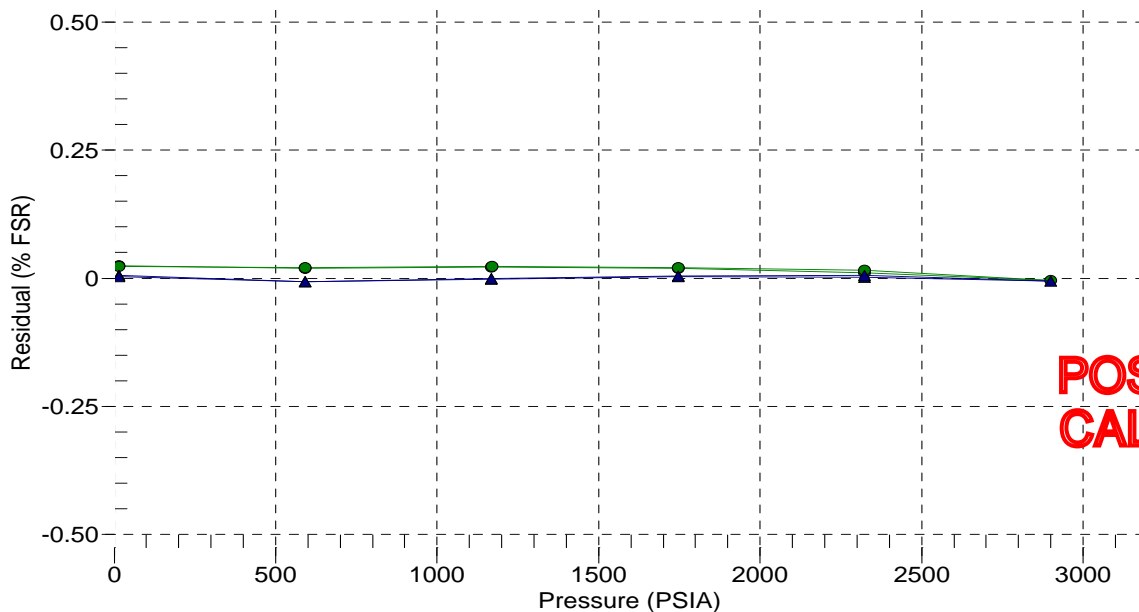
n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t²)

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

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

Date, Offset (%FSR)

● 27-Sep-17 0.02
▲ 26-Feb-25 -0.00



**POST CRUISE
CALIBRATION**