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SENSOR SERIAL NUMBER: 6553
CALIBRATION DATE: 16-Jan-25

SBE 37 V2 PRESSURE CALIBRATION DATA
1450 psia S/N 2351462

COEFFICIENTS:

PA0 =	-9.612496e-001	PTCA0 =	5.249128e+005
PA1 =	4.877638e-003	PTCA1 =	2.788366e+001
PA2 =	-4.537612e-011	PTCA2 =	-1.361297e+000
PTEMPA0 =	-7.083396e+001	PTCB0 =	2.619600e+001
PTEMPA1 =	5.173410e-002	PTCB1 =	-3.000000e-003
PTEMPA2 =	-5.666026e-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)
14.61	527920.4	1913.8	14.73	0.01	32.50	2043	635736.58
301.19	586476.6	1915.0	301.04	-0.01	29.00	1972	636017.61
588.45	645320.4	1915.0	588.43	-0.00	24.00	1872	636188.18
875.68	704213.2	1915.4	875.75	0.01	18.50	1761	636318.07
1162.85	763148.2	1915.6	1162.96	0.01	15.00	1691	636406.16
1447.14	821488.8	1915.8	1446.96	-0.01	4.50	1480	636438.21
1162.92	763162.0	1915.2	1163.02	0.01	1.00	1411	636303.49
875.79	704244.0	1914.8	875.89	0.01	TEMPERATURE (°C) SPAN		
588.43	645325.2	1915.4	588.46	0.00			
301.20	586435.8	1914.8	300.84	-0.02			
14.61	527924.4	1915.8	14.77	0.01			
					-5.00	26.21	
					35.00	26.09	

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y²

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

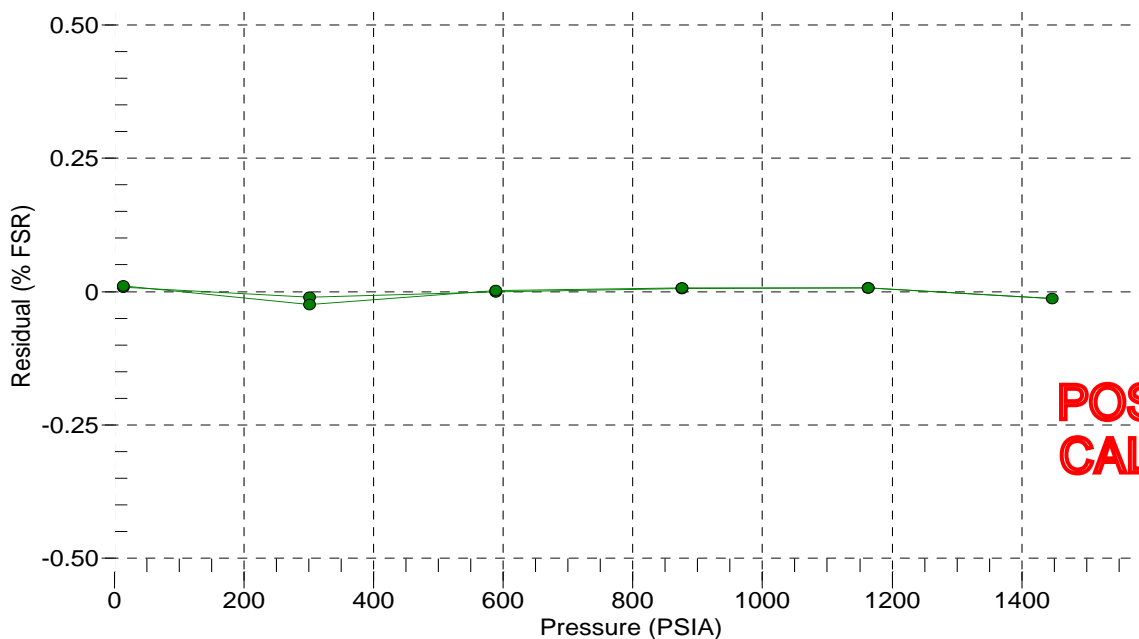
n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t²)

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

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

Date, Offset (%FSR)

● 16-Jan-25 0.00



**POST CRUISE
CALIBRATION**