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SENSOR SERIAL NUMBER: 21148
CALIBRATION DATE: 27-Feb-25

SBE 37 V2 PRESSURE CALIBRATION DATA
2900 psia S/N 5059701

COEFFICIENTS:

PA0 =	-1.022408e+000	PTCA0 =	5.235807e+005
PA1 =	8.967843e-003	PTCA1 =	-1.395816e+001
PA2 =	2.780833e-011	PTCA2 =	3.974022e-001
PTEMPA0 =	-9.336229e+001	PTCB0 =	1.027948e+002
PTEMPA1 =	3.921565e-002	PTCB1 =	-6.491298e-003
PTEMPA2 =	1.316575e-006	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)
14.60	525225.6	2685.8	14.80	0.01	32.50	2923	525472.58
591.46	589402.2	2686.8	591.22	-0.01	29.00	2848	525428.57
1168.60	653653.0	2688.0	1168.55	-0.00	24.00	2741	525395.00
1745.79	717881.0	2688.0	1745.91	0.00	18.50	2622	525381.24
2322.95	782062.0	2688.6	2323.07	0.00	15.00	2546	525385.67
2900.04	846174.0	2688.6	2899.84	-0.01	4.50	2315	525448.38
2322.96	782063.8	2688.0	2323.08	0.00	1.00	2238	525488.66
1745.63	717863.4	2688.2	1745.75	0.00	TEMPERATURE (°C)		SPAN
1168.59	653652.0	2688.4	1168.54	-0.00			
591.39	589397.6	2687.8	591.18	-0.01			
14.60	525212.2	2689.6	14.67	0.00	-5.50		102.83
					34.49		102.57

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y²

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

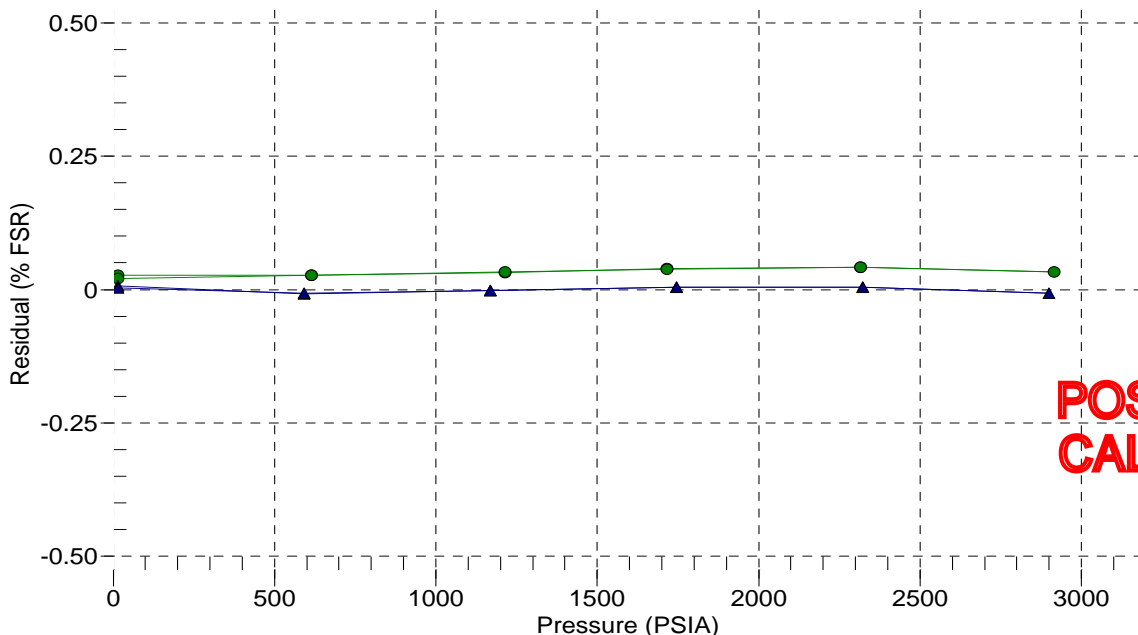
n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t²)

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

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

Date, Offset (%FSR)

● 22-Aug-19 0.03
▲ 27-Feb-25 -0.00



**POST CRUISE
CALIBRATION**