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SENSOR SERIAL NUMBER: 1638
CALIBRATION DATE: 22-Apr-24

SBE 39 PRESSURE CALIBRATION DATA
508 psia S/N 5731

COEFFICIENTS:

PA0 =	9.710606e-002	PTCA0 =	-2.351141e+001
PA1 =	2.404672e-002	PTCA1 =	4.160489e-001
PA2 =	1.595879e-009	PTCA2 =	-1.053846e-002
PTHA0 =	-8.968978e+001	PTCB0 =	2.498363e+001
PTHA1 =	4.542910e-002	PTCB1 =	-1.275000e-003
PTHA2 =	-3.475642e-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	583.7	2515.0	14.62	0.00	-1.50	1971.10	586.30
104.87	4330.1	2517.0	104.84	-0.01	1.00	2027.70	587.14
204.87	8481.0	2516.0	204.86	-0.00	4.50	2107.30	588.30
304.87	12628.5	2517.0	304.84	-0.00	8.00	2186.80	589.28
404.86	16774.3	2517.0	404.85	-0.00	11.50	2266.70	590.14
504.86	20917.8	2518.0	504.85	-0.00	15.00	2346.70	590.75
404.87	16775.9	2517.0	404.89	0.00	18.50	2426.50	590.98
304.86	12630.8	2516.0	304.90	0.01	22.00	2506.80	590.86
204.87	8482.3	2516.0	204.89	0.00	25.50	2586.80	590.57
104.88	4331.4	2516.0	104.87	-0.00	29.00	2667.00	589.93
14.60	583.5	2514.0	14.61	0.00	32.50	2747.40	589.13

TEMPERATURE (°C)	SPAN
-5.00	24.99
35.00	24.94

y = thermistor output (counts)

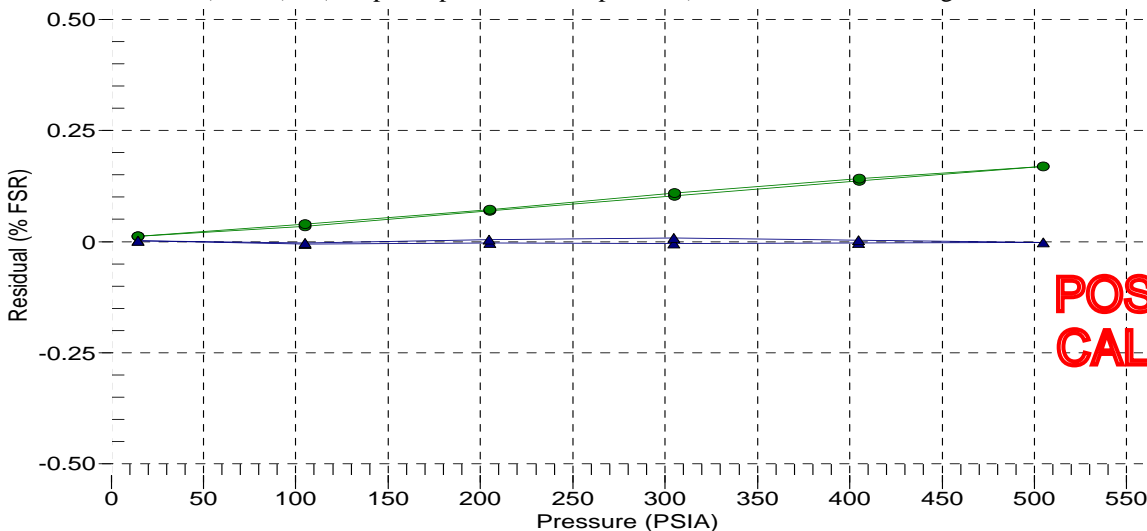
t = PTHA0 + PTHA1 * y + PTHA2 * y²

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)
● 11-Feb-14 0.08
▲ 22-Apr-24 0.00

**POST CRUISE
CALIBRATION**