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SENSOR SERIAL NUMBER: 1636  
CALIBRATION DATE: 03-Jan-25

SBE 39 PRESSURE CALIBRATION DATA  
508 psia S/N 5635

#### COEFFICIENTS:

PA0 =	9.961119e-004	PTCA0 =	-2.734407e+001
PA1 =	2.407397e-002	PTCA1 =	2.512260e-001
PA2 =	1.684360e-009	PTCA2 =	-1.158137e-002
PTHA0 =	-8.801362e+001	PTCB0 =	2.496113e+001
PTHA1 =	4.602598e-002	PTCB1 =	-1.575000e-003
PTHA2 =	-3.750484e-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)
14.36	568.4	2428.0	14.36	0.00	-1.50	1909.30	597.40
104.60	4309.7	2430.0	104.58	-0.00	1.00	1965.60	598.16
204.63	8455.2	2429.0	204.61	-0.00	4.50	2044.20	598.67
304.64	12595.9	2431.0	304.58	-0.01	8.00	2122.60	598.76
404.64	16736.8	2430.0	404.61	-0.01	11.50	2201.60	599.40
504.63	20874.9	2430.0	504.63	-0.00	15.00	2280.50	598.92
404.61	16739.0	2429.0	404.66	0.01	18.50	2359.50	598.49
304.60	12598.9	2429.0	304.65	0.01	22.00	2438.70	597.78
204.60	8456.0	2429.0	204.63	0.01	25.50	2518.20	596.89
104.61	4311.2	2429.0	104.62	0.00	29.00	2597.40	595.03
14.36	568.0	2428.0	14.35	-0.00	32.50	2676.60	593.84

TEMPERATURE (°C)	SPAN
-5.00	24.97
35.00	24.91

y = thermistor output (counts)

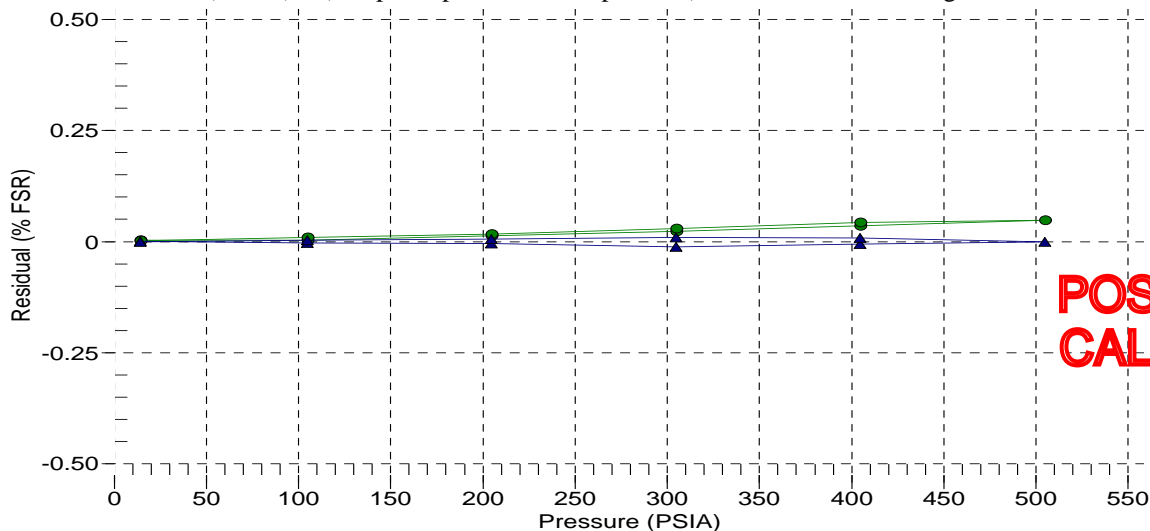
t = PTHA0 + PTHA1 \* y + PTHA2 \* y<sup>2</sup>

x = instrument output - PTCA0 - PTCA1 \* t - PTCA2 \* t<sup>2</sup>

n = x \* PTCB0 / (PTCB0 + PTCB1 \* t + PTCB2 \* t<sup>2</sup>)

pressure (PSIA) = PA0 + PA1 \* n + PA2 \* n<sup>2</sup>

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



Date, Offset (%FSR)  
● 25-Nov-15 0.02  
▲ 03-Jan-25 0.00

**POST CRUISE  
CALIBRATION**