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SENSOR SERIAL NUMBER: 1637
CALIBRATION DATE: 18-Apr-23

SBE 39 PRESSURE CALIBRATION DATA
508 psia S/N 5636

COEFFICIENTS:

PA0 =	1.368437e-001	PTCA0 =	9.909489e+001
PA1 =	2.395743e-002	PTCA1 =	5.253572e-001
PA2 =	1.424663e-009	PTCA2 =	-1.211098e-002
PTHA0 =	-8.959557e+001	PTCB0 =	2.524750e+001
PTHA1 =	4.578094e-002	PTCB1 =	-2.900000e-003
PTHA2 =	-4.121286e-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)
14.42	700.1	2497.0	14.44	0.00	-1.50	1959.00	706.60
104.70	4456.0	2501.0	104.68	-0.00	1.00	2015.50	709.05
204.70	8615.8	2504.0	204.67	-0.01	4.50	2094.50	709.72
304.71	12774.6	2504.0	304.69	-0.00	8.00	2174.30	710.54
404.71	16930.9	2506.0	404.70	-0.00	11.50	2254.00	710.99
504.71	21084.7	2505.0	504.69	-0.00	15.00	2333.90	711.40
404.70	16932.7	2505.0	404.74	0.01	18.50	2413.60	712.15
304.71	12776.5	2506.0	304.74	0.01	22.00	2493.60	714.59
204.70	8617.9	2506.0	204.72	0.00	25.50	2573.70	715.07
104.71	4457.1	2507.0	104.71	-0.00	29.00	2653.90	714.12
14.43	699.7	2508.0	14.43	0.00	32.50	2734.20	709.39

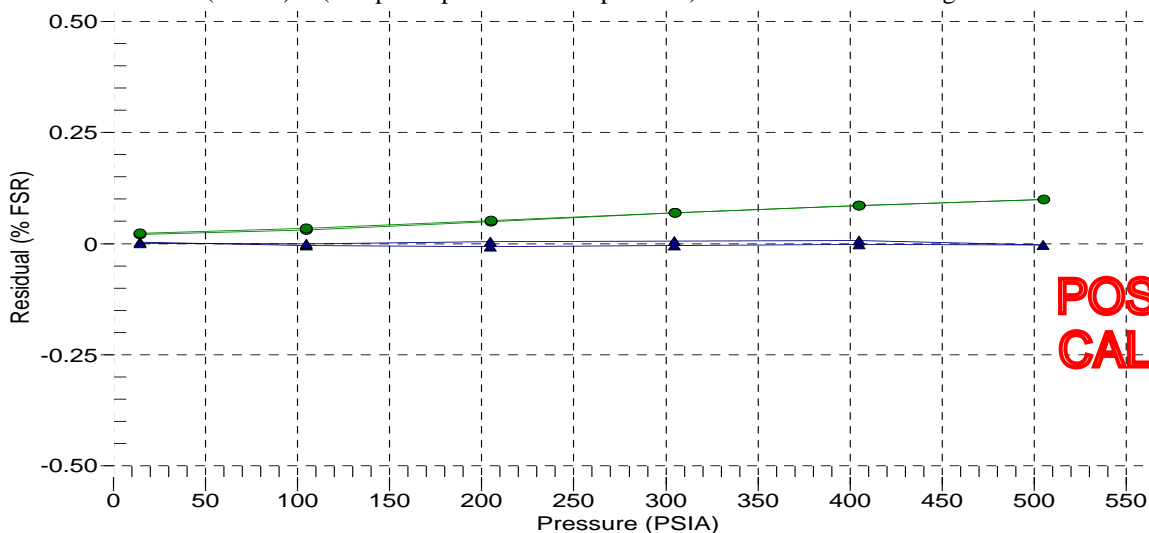| TEMPERATURE (°C)	SPAN
-5.00	25.26
35.00	25.15

y = thermistor output (counts)

$t = PTHA0 + PTHA1 * y + PTHA2 * y^2$

$x = \text{instrument output} - PTCA0 - PTCA1 * t - PTCA2 * t^2$

$n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)$

$\text{pressure (PSIA)} = PA0 + PA1 * n + PA2 * n^2$

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

Date, Offset (%FSR)
● 28-Dec-12   0.06
▲ 18-Apr-23   0.00

POST CRUISE CALIBRATION

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