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SENSOR SERIAL NUMBER: 1635
CALIBRATION DATE: 19-May-21

SBE 39 PRESSURE CALIBRATION DATA
508 psia S/N 5634

COEFFICIENTS:

PA0 =	-5.034070e-001	PTCA0 =	-5.235244e+002
PA1 =	2.407134e-002	PTCA1 =	-7.638444e-001
PA2 =	1.549390e-009	PTCA2 =	-8.402203e-003
PTHA0 =	-8.791509e+001	PTCB0 =	2.436025e+001
PTHA1 =	4.621706e-002	PTCB1 =	-3.150000e-003
PTHA2 =	-4.250846e-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)
14.57	79.9	2432.0	14.57	0.00	-1.50	1903.00	117.40
104.82	3816.6	2435.0	104.80	-0.00	1.00	1959.40	115.10
204.83	7956.0	2435.0	204.81	-0.00	4.50	2037.70	112.21
304.83	12093.8	2436.0	304.84	0.00	8.00	2116.50	109.27
404.84	16228.1	2437.0	404.84	0.00	11.50	2195.20	106.12
504.84	20360.3	2438.0	504.84	-0.00	15.00	2274.20	102.64
404.85	16228.4	2437.0	404.85	-0.00	18.50	2353.60	99.08
304.85	12094.1	2437.0	304.85	0.00	22.00	2432.90	95.33
204.84	7957.0	2438.0	204.85	0.00	25.50	2512.00	91.04
104.85	3818.3	2439.0	104.85	0.00	29.00	2591.40	86.82
14.57	79.5	2442.0	14.57	0.00	32.50	2671.00	82.20

TEMPERATURE (°C)	SPAN
-5.00	24.38
35.00	24.25

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)

● 19-May-21 0.00

