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SENSOR SERIAL NUMBER: 1805
CALIBRATION DATE: 21-Jun-23

SBE 39 PRESSURE CALIBRATION DATA
508 psia S/N 4713

COEFFICIENTS:

PA0 =	1.344474e-001	PTCA0 =	6.788582e+001
PA1 =	2.409514e-002	PTCA1 =	4.132768e-001
PA2 =	2.939975e-009	PTCA2 =	-7.140388e-003
PTHA0 =	-9.286516e+001	PTCB0 =	2.504188e+001
PTHA1 =	4.436496e-002	PTCB1 =	1.175000e-003
PTHA2 =	-2.486975e-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)
14.62	672.2	2616.6	14.55	-0.01	-1.50	2083.70	673.10
112.84	4757.7	2620.4	112.95	0.02	1.00	2141.40	673.85
211.04	8823.6	2622.6	210.98	-0.01	4.50	2222.40	674.99
309.38	12893.7	2624.0	309.20	-0.04	8.00	2303.40	676.44
407.57	16961.7	2625.8	407.48	-0.02	11.50	2384.20	677.26
505.46	21016.9	2626.4	505.54	0.02	15.00	2465.40	678.06
406.83	16937.1	2627.6	406.88	0.01	18.50	2546.60	678.81
309.06	12887.5	2628.4	309.05	-0.00	22.00	2627.80	679.27
210.73	8818.3	2629.8	210.85	0.02	25.50	2709.00	679.54
112.88	4760.2	2630.6	113.01	0.02	29.00	2790.50	679.44
14.62	672.1	2634.0	14.54	-0.01	32.50	2872.10	679.33

TEMPERATURE (°C)	SPAN
-5.00	25.04
35.00	25.08

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

