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SENSOR SERIAL NUMBER: 0986
CALIBRATION DATE: 19-May-21

SBE 39 PRESSURE CALIBRATION DATA
508 psia S/N 1326

COEFFICIENTS:

PA0 =	9.082517e-002	PTCA0 =	7.277528e+000
PA1 =	2.423080e-002	PTCA1 =	4.351047e-001
PA2 =	1.559658e-009	PTCA2 =	-1.199199e-002
PTHA0 =	-6.192710e+001	PTCB0 =	2.491425e+001
PTHA1 =	5.054162e-002	PTCB1 =	-7.500000e-004
PTHA2 =	3.659385e-009	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	608.5	1665.0	14.58	0.00	-1.50	1195.50	617.10
104.82	4327.8	1668.0	104.79	-0.01	1.00	1245.00	618.53
204.83	8449.6	1668.0	204.81	-0.00	4.50	1314.10	619.79
304.83	12569.0	1669.0	304.83	0.00	8.00	1383.40	620.67
404.84	16685.5	1669.0	404.83	-0.00	11.50	1452.60	621.33
504.84	20799.7	1670.0	504.83	-0.00	15.00	1521.90	621.60
404.85	16686.5	1669.0	404.86	0.00	18.50	1591.20	621.88
304.85	12570.0	1670.0	304.86	0.00	22.00	1660.40	621.56
204.84	8451.2	1671.0	204.85	0.00	25.50	1729.60	621.56
104.85	4330.3	1670.0	104.85	0.00	29.00	1798.70	620.53
14.57	608.0	1673.0	14.57	0.00	32.50	1868.10	619.30

TEMPERATURE (°C)	SPAN
-5.00	24.92
35.00	24.89

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

