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SENSOR SERIAL NUMBER: 0061
CALIBRATION DATE: 23-Nov-22

Prawler CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -7.134661e-005
a1 = 3.002448e-004
a2 = -3.929190e-006
a3 = 1.848164e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	569308.1	1.0000	0.0000
4.5000	486608.6	4.5000	-0.0000
15.0000	309941.2	15.0000	-0.0000
18.5000	268355.5	18.5001	0.0001
24.0000	215282.8	24.0000	-0.0000
29.0000	177288.6	29.0000	-0.0000
32.5000	155277.5	32.5000	0.0000

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1 / \{a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

