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SENSOR SERIAL NUMBER: 0062
CALIBRATION DATE: 23-Nov-22

Prawler CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.641957e-004
a1 = 3.355580e-004
a2 = -6.382878e-006
a3 = 2.529211e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	564174.0	1.0000	-0.0000
4.5000	483758.1	4.5000	0.0000
15.0000	310942.4	15.0000	0.0000
18.5000	270006.7	18.4999	-0.0001
24.0000	217569.5	24.0001	0.0001
29.0000	179878.6	28.9999	-0.0001
32.5000	157970.8	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

