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SENSOR SERIAL NUMBER: 0045
CALIBRATION DATE: 03-May-23

Prawler CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.354843e-004
a1 = 3.096620e-004
a2 = -4.533679e-006
a3 = 2.034387e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	573466.3	1.0000	0.0000
4.5000	491006.5	4.5000	-0.0000
15.0000	314272.5	15.0002	0.0002
18.5000	272531.9	18.4998	-0.0002
24.0000	219147.0	24.0000	0.0000
29.0000	180844.2	29.0001	0.0001
32.5000	158616.1	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

