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SENSOR SERIAL NUMBER: 0045
CALIBRATION DATE: 22-Dec-20

Prawler CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.004204e-004
a1 = 3.245871e-004
a2 = -5.676461e-006
a3 = 2.325985e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	573420.0	1.0000	0.0000
4.5000	490967.8	4.4999	-0.0001
15.0000	314248.6	15.0000	0.0000
18.5000	272509.9	18.5000	0.0000
23.9940	219188.0	23.9940	0.0000
29.0000	180844.4	28.9999	-0.0001
32.5000	158620.8	32.5001	0.0001

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

