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SENSOR SERIAL NUMBER: 0028
CALIBRATION DATE: 11-May-22

Prawler CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.132522e-001
a1 = 5.047035e-002
a2 = -3.938080e-003
a3 = 1.029633e-004

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	626288.0	0.8855	-0.1145
4.5000	542968.1	4.6848	0.1848
15.0000	344213.1	15.0722	0.0722
18.5000	299697.2	18.1558	-0.3442
24.0000	235466.1	24.1186	0.1186
29.0000	196952.5	29.4530	0.4530
32.5000	182261.2	32.1280	-0.3720

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

