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SENSOR SERIAL NUMBER: 0015
CALIBRATION DATE: 15-Jan-21

Prawler CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.137909e-005
a1 = 3.026057e-004
a2 = -4.343198e-006
a3 = 1.961984e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	579103.7	1.0001	0.0001
4.5000	494316.4	4.4998	-0.0002
15.0000	313592.5	15.0001	0.0001
18.5000	271167.1	18.5000	-0.0000
24.0000	217100.6	24.0001	0.0001
29.0000	178468.6	28.9997	-0.0003
32.5000	156116.7	32.5002	0.0002

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

