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SENSOR SERIAL NUMBER: 0015
CALIBRATION DATE: 24-Jan-21

Prawler CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.847142e-006
a1 = 2.897225e-004
a2 = -3.329709e-006
a3 = 1.696572e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	579068.0	1.0000	-0.0000
4.4999	494279.3	4.5000	0.0001
15.0000	313578.5	15.0001	0.0001
18.5000	271157.3	18.4999	-0.0001
24.0000	217095.8	23.9998	-0.0002
29.0000	178456.7	29.0004	0.0004
32.5001	156110.8	32.4999	-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

