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SENSOR SERIAL NUMBER: 0019
CALIBRATION DATE: 08-Jan-20

Prawler CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.805367e-004
a1 = 3.224639e-004
a2 = -5.596623e-006
a3 = 2.302304e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	572941.4	1.0000	-0.0000
4.5000	490228.5	4.5000	0.0000
15.0000	313176.1	14.9999	-0.0001
18.5000	271410.6	18.5000	0.0000
24.0000	218045.7	24.0000	0.0000
29.0000	179792.2	29.0000	-0.0000
32.5000	157608.2	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

