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SENSOR SERIAL NUMBER: 0194
CALIBRATION DATE: 05-Feb-20

SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 8.373008e-006
a1 = 2.762047e-004
a2 = -2.397544e-006
a3 = 1.585722e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	631932.9	1.0000	0.0000
4.5000	541131.8	4.4999	-0.0001
15.0000	346340.5	15.0000	0.0000
18.4999	300292.3	18.5000	0.0001
24.0000	241383.6	23.9999	-0.0001
29.0000	199100.4	29.0000	-0.0000
32.5001	174556.3	32.5001	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

