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SENSOR SERIAL NUMBER: 0475
CALIBRATION DATE: 15-Oct-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -8.156380e-006
a1 = 2.783610e-004
a2 = -2.681280e-006
a3 = 1.614243e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	703641.8	1.0000	-0.0000
4.5000	601558.6	4.5000	-0.0000
15.0000	383240.4	15.0000	0.0000
18.5000	331801.1	18.4999	-0.0001
23.9999	266118.0	23.9999	0.0000
29.0000	219075.6	29.0000	0.0000
32.5000	191817.0	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

