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SENSOR SERIAL NUMBER: 3777
CALIBRATION DATE: 23-Oct-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 2.500154e-005
a1 = 2.689037e-004
a2 = -1.727834e-006
a3 = 1.402671e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	642694.6	1.0000	0.0000
4.5000	550615.4	4.4999	-0.0001
15.0000	352925.5	15.0001	0.0001
18.5000	306149.5	18.5000	0.0000
24.0000	246276.1	24.0000	-0.0000
29.0000	203272.1	29.0000	-0.0000
32.5000	178296.0	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

