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SENSOR SERIAL NUMBER: 3777
CALIBRATION DATE: 23-Dec-17

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.130614e-005
a1 = 2.774125e-004
a2 = -2.393376e-006
a3 = 1.576503e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	642629.6	1.0000	-0.0000
4.5000	550563.9	4.5000	0.0000
15.0000	352903.9	15.0001	0.0001
18.4999	306135.9	18.4998	-0.0001
23.9999	246266.8	23.9999	-0.0000
29.0000	203266.0	29.0002	0.0002
32.5000	178295.3	32.4999	-0.0001

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

