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SENSOR SERIAL NUMBER: 2337
CALIBRATION DATE: 22-Jun-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.218851e-005
a1 = 2.865199e-004
a2 = -3.713474e-006
a3 = 1.948283e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	727519.9	1.0000	0.0000
4.5000	621557.5	4.5000	-0.0000
15.0000	395090.8	15.0000	0.0000
18.5000	341780.4	18.5000	0.0000
24.0000	273756.2	24.0000	0.0000
28.9999	225082.7	28.9999	-0.0000
32.5001	196897.5	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

