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SENSOR SERIAL NUMBER: 2325
CALIBRATION DATE: 09-Jul-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -4.847786e-004
a1 = 4.068542e-004
a2 = -1.403255e-005
a3 = 4.947647e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	682104.2	1.0001	0.0001
4.5000	584209.7	4.4999	-0.0001
15.0000	373539.2	15.0000	0.0000
18.5000	323632.2	18.5002	0.0002
24.0000	259764.9	23.9998	-0.0002
29.0000	213921.6	29.0000	-0.0000
32.5000	187323.3	32.5001	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

