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SENSOR SERIAL NUMBER: 2355
CALIBRATION DATE: 22-Sep-17

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.023547e-004
a1 = 2.896309e-004
a2 = -3.489504e-006
a3 = 1.806810e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	811435.2	1.0000	0.0000
4.5000	694111.8	4.4999	-0.0001
15.0000	442927.0	15.0000	0.0000
18.5000	383675.6	18.5000	0.0000
24.0000	307972.2	24.0001	0.0001
29.0000	253717.4	28.9998	-0.0002
32.5000	222257.2	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

