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SENSOR SERIAL NUMBER: 3770
CALIBRATION DATE: 22-Jun-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.214948e-004
a1 = 3.064073e-004
a2 = -4.319474e-006
a3 = 1.999942e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	800364.8	1.0000	-0.0000
4.5000	686364.7	4.5000	0.0000
15.0000	441246.0	15.0000	-0.0000
18.5000	383148.2	18.5000	-0.0000
24.0000	308709.0	24.0000	0.0000
28.9999	255183.6	28.9999	0.0000
32.5001	224066.2	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

