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SENSOR SERIAL NUMBER: 0811
CALIBRATION DATE: 27-Sep-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.607645e-005
a1 = 2.871122e-004
a2 = -3.307504e-006
a3 = 1.782185e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	641205.2	1.0000	0.0000
4.5000	548271.7	4.4999	-0.0001
15.0000	349460.7	15.0000	0.0000
18.5000	302602.8	18.5001	0.0001
24.0000	242764.0	24.0000	0.0000
28.9999	199901.8	28.9998	-0.0001
32.5000	175057.8	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

