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SENSOR SERIAL NUMBER: 0813
CALIBRATION DATE: 01-Dec-20

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.339462e-004
a1 = 3.371369e-004
a2 = -6.537540e-006
a3 = 2.631142e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	670409.3	0.9999	0.0000
4.5000	576068.8	4.4999	-0.0001
15.0000	372441.4	15.0001	0.0001
18.5000	323986.6	18.5000	0.0000
24.0000	261763.3	24.0000	0.0000
29.0000	216906.9	28.9999	-0.0001
32.5001	190775.6	32.5002	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

