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SENSOR SERIAL NUMBER: 0815
CALIBRATION DATE: 27-Sep-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.181892e-004
a1 = 3.372387e-004
a2 = -6.545911e-006
a3 = 2.650399e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	627232.8	1.0000	0.0000
4.5000	539068.0	4.5000	-0.0000
15.0000	348704.8	15.0000	0.0000
18.5000	303387.9	18.5000	0.0000
24.0000	245184.4	23.9999	-0.0001
28.9999	203212.9	29.0000	0.0001
32.5000	178760.4	32.5000	-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

