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SENSOR SERIAL NUMBER: 1866
CALIBRATION DATE: 27-Feb-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -4.383281e-005
a1 = 2.838869e-004
a2 = -2.959113e-006
a3 = 1.757975e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	650670.7	1.0000	-0.0000
4.5000	557786.7	4.5001	0.0001
15.0000	358111.8	15.0000	-0.0000
18.5000	310800.1	18.5000	-0.0000
24.0000	250198.7	23.9999	-0.0001
29.0000	206634.9	29.0002	0.0002
32.5000	181323.3	32.4999	-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

