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SENSOR SERIAL NUMBER: 3763
CALIBRATION DATE: 27-Feb-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 7.533147e-006
a1 = 2.712183e-004
a2 = -1.936306e-006
a3 = 1.460725e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	664437.4	1.0001	0.0001
4.5000	569279.0	4.4998	-0.0002
15.0000	364935.0	15.0001	0.0001
18.5000	316579.6	18.5000	-0.0000
24.0000	254676.9	24.0001	0.0001
29.0000	210216.5	28.9997	-0.0003
32.5000	184388.6	32.5002	0.0002

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

