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SENSOR SERIAL NUMBER: 2331
CALIBRATION DATE: 19-Jun-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.076046e-004
a1 = 3.744302e-004
a2 = -1.290262e-005
a3 = 5.133146e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	703679.0	0.9999	-0.0001
4.5000	605193.4	4.5001	0.0001
15.0000	391097.3	15.0000	-0.0000
18.5000	339850.1	18.4999	-0.0001
24.0000	273894.8	24.0000	-0.0000
29.0000	226267.8	29.0002	0.0002
32.5001	198512.2	32.5000	-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

