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SENSOR SERIAL NUMBER: 1678
CALIBRATION DATE: 05-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.060265e-005
a1 = 2.727312e-004
a2 = -2.211505e-006
a3 = 1.516704e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	744983.1	1.0000	-0.0000
4.5000	637628.2	4.5000	0.0000
15.0000	407537.0	15.0000	-0.0000
18.4999	353193.9	18.4999	-0.0000
24.0000	283708.3	24.0000	0.0000
28.9999	233868.5	28.9999	-0.0000
32.5001	204950.2	32.5001	-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

