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SENSOR SERIAL NUMBER: 4285
CALIBRATION DATE: 17-Jan-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.334659e-005
a1 = 2.721684e-004
a2 = -2.053017e-006
a3 = 1.455393e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	736321.9	1.0000	-0.0000
4.4999	630312.6	4.4999	0.0000
15.0000	403069.9	15.0000	-0.0000
18.5000	349388.8	18.5000	0.0000
24.0000	280745.4	23.9999	-0.0001
29.0000	231493.8	29.0002	0.0002
32.5000	202917.9	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

