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SENSOR SERIAL NUMBER: 6314
CALIBRATION DATE: 26-Nov-21

SBE 41 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.070561e-005
a1 = 2.807856e-004
a2 = -2.981965e-006
a3 = 1.625033e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	785352.2	1.0000	0.0000
4.5000	669862.5	4.5000	-0.0000
15.0000	423965.7	15.0000	-0.0000
18.5000	366300.5	18.5001	0.0001
23.9941	292942.9	23.9939	-0.0002
29.0001	240443.4	29.0003	0.0002
32.5000	210141.8	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

