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SENSOR SERIAL NUMBER: 2786
CALIBRATION DATE: 03-Jun-23

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.37636659e-003
h = 6.44251494e-004
i = 2.28752541e-005
j = 2.11988740e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3061.362	-1.4999	0.00007
1.0000	3237.470	0.9999	-0.00005
4.5000	3496.174	4.4999	-0.00009
8.0000	3769.415	8.0000	-0.00003
11.5000	4057.582	11.5001	0.00010
15.0000	4361.038	15.0001	0.00012
18.5000	4680.144	18.5000	-0.00003
22.0000	5015.276	21.9999	-0.00010
25.5000	5366.786	25.5000	-0.00001
29.0000	5734.980	29.0000	-0.00000
32.5000	6120.183	32.5000	0.00003

f = Instrument Output (Hz)

Temperature ITS-90 (°C) = $1 / \{ g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)] \} - 273.15$

Residual (°C) = instrument temperature - bath temperature

