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SENSOR SERIAL NUMBER: 2946
CALIBRATION DATE: 18-Jun-21

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.34372435e-003
h = 6.38541679e-004
i = 2.09624514e-005
j = 1.73626039e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2920.981	-1.4999	0.00005
1.0000	3089.423	0.9999	-0.00006
4.5000	3336.896	4.5000	-0.00004
8.0000	3598.303	8.0000	-0.00001
11.5000	3874.027	11.5001	0.00005
15.0000	4164.439	15.0001	0.00013
18.5000	4469.871	18.4999	-0.00010
22.0000	4790.722	21.9999	-0.00008
25.5000	5127.319	25.5000	0.00002
29.0000	5479.973	29.0000	0.00003
32.5000	5849.004	32.5000	-0.00000

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

