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SENSOR SERIAL NUMBER: 2107
CALIBRATION DATE: 18-Feb-23

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.09067895e-003
h = 6.23929151e-004
i = 2.01284338e-005
j = 2.09616018e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	1953.735	-1.4999	0.00012
1.0000	2066.361	0.9999	-0.00011
4.5000	2231.849	4.4999	-0.00014
8.0000	2406.677	8.0000	-0.00003
11.5000	2591.094	11.5001	0.00011
15.0000	2785.347	15.0003	0.00027
18.5000	2989.644	18.4999	-0.00008
22.0000	3204.259	21.9998	-0.00019
25.5000	3429.419	25.4999	-0.00005
29.0000	3665.323	29.0001	0.00007
32.5000	3912.168	32.5000	0.00002

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

