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SENSOR SERIAL NUMBER: 1652
CALIBRATION DATE: 11-May-23

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.83695052e-003
h = 6.77481278e-004
i = 2.56584990e-005
j = 1.93388292e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	6131.708	-1.4999	0.00015
1.0000	6482.909	0.9999	-0.00011
4.5000	6998.619	4.4998	-0.00019
8.0000	7543.048	7.9999	-0.00008
11.5000	8116.939	11.5002	0.00015
15.0000	8721.001	15.0004	0.00037
18.5000	9355.827	18.4999	-0.00005
22.0000	10022.248	21.9997	-0.00026
25.5000	10720.962	25.4999	-0.00009
28.9999	11452.501	28.9999	0.00004
32.5000	12217.520	32.5001	0.00007

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

