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SENSOR SERIAL NUMBER: 1652
CALIBRATION DATE: 16-Dec-22

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.83672978e-003
h = 6.77181756e-004
i = 2.55250339e-005
j = 1.91409076e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	6131.721	-1.4999	0.00013
1.0000	6482.932	0.9999	-0.00010
4.5000	6998.654	4.4998	-0.00016
8.0000	7543.087	7.9999	-0.00006
11.5000	8116.978	11.5001	0.00015
15.0000	8721.037	15.0003	0.00032
18.5000	9355.860	18.4999	-0.00013
22.0000	10022.311	21.9998	-0.00019
25.5000	10721.027	25.5000	-0.00003
29.0000	11452.577	29.0000	0.00002
32.5000	12217.582	32.5000	0.00005

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

