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SENSOR SERIAL NUMBER: 5140
CALIBRATION DATE: 03-Aug-23

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.36434234e-003
h = 6.40345959e-004
i = 2.18523026e-005
j = 1.97699859e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3017.047	-1.5000	0.00002
1.0000	3191.115	1.0000	-0.00001
4.5000	3446.842	4.5000	-0.00002
8.0000	3716.963	7.9999	-0.00006
11.5000	4001.880	11.5001	0.00006
15.0000	4301.951	15.0001	0.00009
18.4999	4617.526	18.4999	-0.00005
22.0000	4949.010	21.9999	-0.00008
25.5000	5296.725	25.5000	0.00004
29.0000	5660.978	29.0000	0.00000
32.4999	6042.093	32.4999	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

