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SENSOR SERIAL NUMBER: 4130
CALIBRATION DATE: 18-Jan-24

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40286038e-003
h = 6.48727438e-004
i = 2.40983035e-005
j = 2.23567839e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3179.703	-1.5000	0.00003
1.0000	3362.344	1.0000	-0.00002
4.5001	3630.649	4.5000	-0.00008
8.0000	3914.028	8.0000	0.00003
11.5000	4212.889	11.5000	0.00004
15.0000	4527.621	15.0000	-0.00002
18.5000	4858.623	18.5000	0.00004
22.0000	5206.245	22.0000	0.00000
25.5000	5570.854	25.5000	-0.00002
29.0001	5952.800	29.0000	-0.00008
32.5000	6352.402	32.5001	0.00006

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

