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SENSOR SERIAL NUMBER: 5140
CALIBRATION DATE: 22-Apr-22

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.36448816e-003
h = 6.40601030e-004
i = 2.20167203e-005
j = 2.01113289e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3017.140	-1.5000	0.00000
1.0000	3191.213	1.0000	0.00003
4.5000	3446.940	4.5000	-0.00005
8.0000	3717.070	7.9999	-0.00006
11.5000	4001.997	11.5001	0.00006
15.0000	4302.088	15.0002	0.00018
18.5000	4617.667	18.4998	-0.00017
22.0000	4949.169	21.9999	-0.00008
25.5000	5296.902	25.5001	0.00005
29.0000	5661.179	29.0001	0.00007
32.5000	6042.311	32.5000	-0.00004

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

