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SENSOR SERIAL NUMBER: 5584
CALIBRATION DATE: 24-Aug-23

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.32395887e-003
h = 6.37970034e-004
i = 2.18344333e-005
j = 2.01255421e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2832.127	-1.4999	0.00007
1.0000	2995.594	0.9999	-0.00010
4.5000	3235.789	4.5000	-0.00003
8.0000	3489.531	8.0000	0.00003
11.5000	3757.183	11.5000	0.00002
15.0000	4039.112	15.0001	0.00005
18.5000	4335.655	18.5000	0.00000
22.0000	4647.155	22.0000	-0.00004
25.5000	4973.943	25.5000	-0.00001
29.0000	5316.322	29.0000	-0.00003
32.5000	5674.603	32.5000	0.00003

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

