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SENSOR SERIAL NUMBER: 1609
CALIBRATION DATE: 02-Aug-23

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.86784384e-003
h = 6.82604371e-004
i = 2.74341165e-005
j = 2.21268771e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	6398.947	-1.4999	0.00009
1.0000	6765.380	0.9999	-0.00010
4.5000	7303.435	4.4999	-0.00012
8.0000	7871.405	7.9999	-0.00005
11.5000	8470.090	11.5003	0.00027
15.0000	9100.153	15.0004	0.00036
18.5000	9762.202	18.4997	-0.00033
22.0000	10457.160	21.9994	-0.00056
25.5000	11185.810	25.5002	0.00016
29.0000	11948.536	29.0006	0.00058
32.4999	12745.683	32.4996	-0.00030

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

