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SENSOR SERIAL NUMBER: 1075
CALIBRATION DATE: 22-Apr-22

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.86428709e-003
h = 6.81905914e-004
i = 2.64694411e-005
j = 1.94826102e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	6357.823	-1.5000	0.00005
1.0000	6721.718	1.0000	-0.00004
4.5000	7256.076	4.4999	-0.00006
8.0000	7820.214	8.0000	-0.00003
11.5000	8414.922	11.5001	0.00005
15.0000	9040.956	15.0001	0.00012
18.5000	9699.018	18.5000	-0.00004
22.0000	10389.898	21.9999	-0.00005
25.5000	11114.273	25.5000	-0.00002
29.0000	11872.795	29.0000	-0.00002
32.5000	12666.122	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

