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SENSOR SERIAL NUMBER: 1815
CALIBRATION DATE: 07-Apr-23

SBE 16 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.17253991e-003
h = 5.88757041e-004
i = 2.40688583e-006
j = -1.91028116e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2452.649	0.9997	-0.00032
4.5000	2655.345	4.5006	0.00057
15.0000	3333.889	14.9996	-0.00039
18.5000	3584.807	18.4998	-0.00018
24.0000	4005.345	24.0002	0.00018
29.0000	4416.444	29.0005	0.00053
32.5000	4720.965	32.4996	-0.00039

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

