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SENSOR SERIAL NUMBER: 0655
CALIBRATION DATE: 07-Jun-24

SBE 16 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.17198434e-003
h = 5.86479228e-004
i = 2.56127589e-006
j = -1.97276034e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	2459.708	0.9998	-0.00013
4.5000	2663.982	4.5002	0.00023
14.9999	3348.632	14.9998	-0.00010
18.4999	3602.029	18.4997	-0.00019
23.9999	4027.041	24.0000	0.00015
29.0000	4442.825	29.0002	0.00019
32.5001	4751.089	32.4999	-0.00015

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

