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SENSOR SERIAL NUMBER: 4443
CALIBRATION DATE: 21-Feb-23

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41121516e-003
h = 6.41795534e-004
i = 2.18210915e-005
j = 1.86256511e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3254.446	-1.4999	0.00006
1.0000	3442.605	1.0000	-0.00004
4.5000	3719.078	4.4999	-0.00008
8.0000	4011.170	8.0000	-0.00003
11.5000	4319.304	11.5001	0.00006
15.0000	4643.890	15.0001	0.00013
18.5000	4985.311	18.5000	-0.00001
22.0000	5343.984	21.9999	-0.00009
25.5000	5720.297	25.5000	-0.00003
29.0000	6114.594	29.0000	-0.00001
32.4999	6527.224	32.4999	0.00004

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

