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SENSOR SERIAL NUMBER: 3252
 CALIBRATION DATE: 05-Mar-24

SBE 21 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.18529844e-003
 h = 6.15729945e-004
 i = 1.81861717e-005
 j = 1.09947946e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2448.848	1.0000	0.00004
4.5000	2649.228	4.4999	-0.00008
15.0000	3321.830	15.0001	0.00013
18.5000	3570.988	18.5000	-0.00005
24.0000	3989.041	23.9999	-0.00012
29.0000	4398.164	29.0001	0.00011
32.5000	4701.503	32.5000	-0.00004

f = Instrument Output (Hz)

$$\text{Temperature ITS-90 (°C)} = 1 / \{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$$

Residual (°C) = instrument temperature - bath temperature

