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SENSOR SERIAL NUMBER: 3229
CALIBRATION DATE: 02-Feb-23

SBE 21 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.23493673e-003
h = 6.28499295e-004
i = 1.80620808e-005
j = 8.36548635e-007
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2611.023	1.0001	0.00008
4.5000	2820.813	4.4999	-0.00014
15.0000	3523.105	14.9999	-0.00006
18.5000	3782.661	18.5003	0.00025
24.0000	4217.427	24.0000	-0.00003
29.0000	4642.170	28.9997	-0.00030
32.5000	4956.778	32.5002	0.00019

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

