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SENSOR SERIAL NUMBER: 2107  
CALIBRATION DATE: 25-Oct-22

SBE 3 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.14744994e-003  
h = 6.27912742e-004  
i = 2.10413687e-005  
j = 2.16939416e-006  
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2139.096	-1.5000	-0.00001
0.9999	2262.444	1.0000	0.00007
4.5000	2443.678	4.4999	-0.00010
8.0000	2635.153	8.0000	-0.00003
11.5000	2837.138	11.5000	0.00002
15.0000	3049.910	15.0001	0.00013
18.5000	3273.711	18.5000	-0.00002
22.0000	3508.819	21.9999	-0.00005
25.5000	3755.476	25.5000	-0.00004
29.0000	4013.918	29.0000	0.00002
32.5000	4284.364	32.5000	0.00001

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

