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SENSOR SERIAL NUMBER: 2708
CALIBRATION DATE: 01-Aug-25

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.38110657e-03
h = 6.51387472e-04
i = 2.45246314e-05
j = 2.32844057e-06
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3053.927	-1.5000	0.00004
1.0000	3228.336	1.0000	-0.00004
4.5000	3484.464	4.5000	-0.00005
8.0000	3754.887	8.0000	-0.00001
11.5000	4039.984	11.5001	0.00007
15.0000	4340.114	15.0001	0.00008
18.5000	4655.626	18.4999	-0.00006
22.0000	4986.890	22.0000	-0.00004
25.5000	5334.227	25.5000	-0.00001
29.0000	5697.951	29.0000	0.00002
32.5000	6078.364	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

