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SENSOR SERIAL NUMBER: 6042
CALIBRATION DATE: 30-Jul-25

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.34143754e-03
h = 6.28469468e-04
i = 1.89724255e-05
j = 1.25768891e-06
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2954.785	-1.5000	-0.00005
1.0000	3127.499	1.0000	0.00003
4.5000	3381.451	4.5001	0.00006
8.0000	3649.970	8.0000	0.00001
11.5000	3933.483	11.5000	-0.00004
15.0000	4232.410	15.0000	-0.00005
18.5000	4547.154	18.5000	-0.00005
22.0000	4878.118	22.0000	0.00003
25.5000	5225.681	25.5001	0.00007
29.0000	5590.212	29.0000	0.00003
32.5000	5972.084	32.5000	-0.00005

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

