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SENSOR SERIAL NUMBER: 6040
CALIBRATION DATE: 30-Jul-25

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.33878340e-03
h = 6.28231557e-04
i = 1.86858303e-05
j = 1.16805350e-06
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2941.740	-1.5001	-0.00006
1.0000	3113.635	1.0001	0.00005
4.5000	3366.374	4.5001	0.00007
8.0000	3633.607	8.0000	0.00001
11.5000	3915.761	11.5000	-0.00005
15.0000	4213.255	14.9999	-0.00007
18.5000	4526.495	18.4999	-0.00005
22.0000	4855.882	22.0000	0.00003
25.5000	5201.799	25.5001	0.00010
29.0000	5564.608	29.0000	0.00002
32.5000	5944.692	32.4999	-0.00006

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

