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SENSOR SERIAL NUMBER: 0696
CALIBRATION DATE: 29-Sep-23

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.35136931e-003
h = 6.40879013e-004
i = 2.24013966e-005
j = 2.07530702e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2952.189	-1.5000	0.00001
1.0000	3122.416	1.0000	-0.00001
4.5000	3372.511	4.5000	-0.00001
8.0001	3636.701	8.0001	-0.00004
11.5000	3915.354	11.5000	0.00003
15.0000	4208.851	15.0000	0.00003
18.5000	4517.548	18.5000	0.00002
22.0000	4841.791	22.0000	-0.00002
25.5000	5181.919	25.5000	-0.00004
29.0000	5538.260	29.0000	0.00000
32.5001	5911.126	32.5001	0.00002

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

