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SENSOR SERIAL NUMBER: 6888
 CALIBRATION DATE: 28-Nov-23

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.34695839e-003
 h = 6.40679359e-004
 i = 2.21768081e-005
 j = 2.06930187e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2930.374	-1.5000	0.00000
1.0000	3099.198	1.0000	-0.00001
4.5000	3347.207	4.5000	0.00002
8.0000	3609.153	8.0000	-0.00003
11.5000	3885.420	11.5000	-0.00001
15.0000	4176.366	15.0000	0.00000
18.5000	4482.345	18.5000	0.00001
22.0000	4803.699	22.0000	0.00004
25.5000	5140.747	25.5000	-0.00003
29.0000	5493.818	29.0000	-0.00004
32.5000	5863.219	32.5000	0.00003

f = Instrument Output (Hz)

$$\text{Temperature ITS-90 (°C)} = 1 / \{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$$

$$\text{Residual (°C)} = \text{instrument temperature} - \text{bath temperature}$$

