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SENSOR SERIAL NUMBER: 2492
 CALIBRATION DATE: 23-Dec-22

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40008197e-003
 h = 6.61070247e-004
 i = 2.56592491e-005
 j = 2.42269286e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3101.398	-1.4999	0.00006
1.0000	3276.448	0.9999	-0.00009
4.5000	3533.358	4.5000	-0.00000
8.0000	3804.387	8.0000	-0.00000
11.5000	4089.907	11.5000	0.00001
15.0000	4390.271	15.0000	0.00004
18.5000	4705.815	18.5000	0.00003
22.0000	5036.870	22.0000	-0.00000
25.5000	5383.752	25.5000	-0.00004
29.0000	5746.767	28.9999	-0.00006
32.5000	6126.217	32.5001	0.00006

f = Instrument Output (Hz)

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

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

