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SENSOR SERIAL NUMBER: 4551
 CALIBRATION DATE: 11-May-23

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.35642260e-003
 h = 6.36835258e-004
 i = 2.21258312e-005
 j = 2.06268863e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2997.735	-1.5000	0.00002
1.0000	3171.768	1.0000	-0.00001
4.5000	3427.560	4.5000	-0.00003
8.0000	3697.891	8.0000	-0.00001
11.5000	3983.161	11.5000	0.00002
15.0000	4283.754	15.0000	0.00003
18.5000	4600.047	18.5000	0.00002
22.0000	4932.406	22.0000	-0.00002
25.5000	5281.185	25.4999	-0.00006
28.9999	5646.727	28.9999	0.00003
32.5000	6029.364	32.5000	0.00000

f = Instrument Output (Hz)

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

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

