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SENSOR SERIAL NUMBER: 5437
 CALIBRATION DATE: 13-Jul-20

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.31760677e-003
 h = 6.27900312e-004
 i = 1.94955082e-005
 j = 1.41077984e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2843.027	-1.5000	-0.00004
1.0000	3009.214	1.0000	0.00005
4.5000	3253.572	4.5000	-0.00001
8.0000	3511.970	8.0000	0.00003
11.5000	3784.799	11.5000	-0.00003
15.0000	4072.473	15.0000	0.00002
18.5000	4375.363	18.4999	-0.00005
22.0000	4693.865	22.0000	-0.00005
25.5000	5028.355	25.5001	0.00007
29.0000	5379.169	29.0001	0.00006
32.5000	5746.656	32.4999	-0.00006

f = Instrument Output (Hz)

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

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

