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SENSOR SERIAL NUMBER: 6177
 CALIBRATION DATE: 10-Aug-24

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.35452481e-003
 h = 6.38062267e-004
 i = 2.26669583e-005
 j = 2.16360671e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5001	2984.053	-1.5001	0.00004
1.0000	3157.134	0.9999	-0.00007
4.5000	3411.527	4.5000	0.00001
8.0000	3680.368	8.0000	0.00002
11.5000	3964.056	11.5000	0.00002
15.0000	4262.974	15.0000	-0.00003
18.5000	4577.504	18.5000	-0.00003
21.9999	4908.006	22.0000	0.00010
25.5000	5254.820	25.5000	-0.00004
29.0000	5618.291	29.0000	-0.00005
32.4999	5998.737	32.4999	0.00003

f = Instrument Output (Hz)

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

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

