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SENSOR SERIAL NUMBER: 5144
 CALIBRATION DATE: 23-Dec-22

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.42340238e-003
 h = 6.49489414e-004
 i = 2.40972740e-005
 j = 2.28722533e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3284.748	-1.5000	0.00002
1.0000	3473.438	1.0000	-0.00004
4.5000	3750.606	4.5000	0.00001
8.0000	4043.311	8.0000	0.00000
11.5000	4351.971	11.5000	0.00001
15.0000	4676.983	15.0000	-0.00001
18.5000	5018.740	18.5000	0.00000
22.0000	5377.613	22.0000	0.00001
25.5000	5753.960	25.5000	-0.00000
29.0000	6148.127	29.0000	-0.00003
32.5000	6560.454	32.5000	0.00002

f = Instrument Output (Hz)

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

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

