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SENSOR SERIAL NUMBER: 5146
 CALIBRATION DATE: 11-Feb-21

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.36737135e-003
 h = 6.41085697e-004
 i = 2.27209561e-005
 j = 2.20063204e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3032.047	-1.5000	0.00001
1.0000	3207.139	1.0000	0.00002
4.5000	3464.383	4.5000	-0.00005
7.9999	3736.129	7.9999	0.00000
11.4999	4022.769	11.4999	0.00000
14.9999	4324.683	15.0000	0.00007
18.5000	4642.219	18.4999	-0.00008
21.9999	4975.749	22.0000	0.00006
25.5000	5325.602	25.5000	-0.00002
29.0000	5692.101	28.9999	-0.00005
32.4999	6075.565	32.4999	0.00004

f = Instrument Output (Hz)

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

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

