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SENSOR SERIAL NUMBER: 5146
 CALIBRATION DATE: 17-Dec-20

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.36713259e-003
 h = 6.40599742e-004
 i = 2.23539960e-005
 j = 2.11254044e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3031.890	-1.5000	0.00001
1.0000	3206.970	1.0000	0.00001
4.5000	3464.194	4.5000	-0.00004
8.0000	3735.921	8.0000	-0.00002
11.4999	4022.533	11.5000	0.00009
15.0000	4324.411	15.0000	0.00001
18.5000	4641.910	18.4999	-0.00010
22.0000	4975.415	22.0000	0.00002
25.5000	5325.241	25.5001	0.00005
29.0000	5691.711	29.0000	-0.00003
32.5000	6075.163	32.5000	0.00000

f = Instrument Output (Hz)

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

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

