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SENSOR SERIAL NUMBER: 4230
 CALIBRATION DATE: 15-Jan-19

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.37272002e-003
 h = 6.48950887e-004
 i = 2.31795405e-005
 j = 1.91673451e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3019.916	-1.5000	-0.00000
1.0000	3192.567	1.0000	0.00001
4.5000	3446.131	4.5000	-0.00002
8.0000	3713.888	8.0000	-0.00000
11.5000	3996.223	11.5000	0.00002
15.0000	4293.509	15.0000	-0.00001
18.5000	4606.122	18.5000	0.00001
22.0000	4934.412	22.0000	-0.00001
25.5000	5278.731	25.5000	0.00002
29.0000	5639.403	29.0000	-0.00002
32.5000	6016.764	32.5000	0.00001

f = Instrument Output (Hz)

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

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

