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SENSOR SERIAL NUMBER: 5017
 CALIBRATION DATE: 08-Mar-19

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.33017387e-003
 h = 6.35590766e-004
 i = 2.09539472e-005
 j = 1.82597803e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2870.037	-1.5000	0.00003
1.0000	3036.140	1.0000	-0.00003
4.5000	3280.219	4.5000	-0.00002
8.0000	3538.098	8.0000	-0.00003
11.5000	3810.162	11.5000	0.00004
15.0000	4096.771	15.0001	0.00007
18.5000	4398.272	18.4999	-0.00006
22.0000	4715.042	22.0000	-0.00002
25.5000	5047.400	25.5000	0.00001
29.0000	5395.668	29.0000	-0.00001
32.5000	5760.166	32.5000	0.00001

f = Instrument Output (Hz)

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

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

