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SENSOR SERIAL NUMBER: 5026
 CALIBRATION DATE: 12-Jan-18

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.33058655e-003
 h = 6.33148234e-004
 i = 2.05196119e-005
 j = 1.75315322e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2882.548	-1.4999	0.00006
1.0000	3049.918	1.0000	-0.00002
4.5001	3295.905	4.5000	-0.00015
8.0000	3555.860	8.0000	-0.00001
11.5000	3830.173	11.5001	0.00011
15.0000	4119.207	15.0002	0.00015
18.5000	4423.309	18.4999	-0.00009
22.0000	4742.886	22.0000	-0.00004
25.5001	5078.261	25.5001	-0.00005
29.0001	5429.756	29.0001	-0.00003
32.5000	5797.694	32.5001	0.00005

f = Instrument Output (Hz)

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

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

