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SENSOR SERIAL NUMBER: 4303
 CALIBRATION DATE: 12-Jan-19

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.38516508e-003
 h = 6.47871017e-004
 i = 2.21824670e-005
 j = 1.70357712e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3084.059	-1.4999	0.00012
1.0000	3260.457	0.9999	-0.00013
4.5000	3519.543	4.4999	-0.00011
8.0000	3793.122	8.0000	-0.00002
11.5000	4081.591	11.5001	0.00013
15.0000	4385.325	15.0002	0.00021
18.5000	4704.671	18.4999	-0.00010
22.0000	5040.053	21.9998	-0.00017
25.5000	5391.830	25.5000	0.00001
29.0000	5760.306	29.0000	0.00003
32.5000	6145.827	32.5000	0.00002

f = Instrument Output (Hz)

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

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

