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SENSOR SERIAL NUMBER: 6243
 CALIBRATION DATE: 07-Dec-18

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39622567e-003
 h = 6.42958908e-004
 i = 2.32702477e-005
 j = 2.14394105e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3174.773	-1.4999	0.00006
1.0000	3358.429	0.9999	-0.00007
4.5000	3628.342	4.5000	-0.00002
8.0000	3913.548	8.0000	-0.00001
11.5000	4214.474	11.5001	0.00005
15.0000	4531.517	15.0001	0.00005
18.5000	4865.072	18.5000	-0.00001
22.0000	5215.529	21.9999	-0.00005
25.5000	5583.267	25.5000	-0.00000
29.0000	5968.625	29.0000	-0.00002
32.5000	6371.958	32.5000	0.00003

f = Instrument Output (Hz)

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

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

