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SENSOR SERIAL NUMBER: 5171
CALIBRATION DATE: 31-Jan-18

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39213838e-003
h = 6.44931386e-004
i = 2.26336117e-005
j = 2.06232456e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3137.544	-1.5000	0.00003
1.0000	3317.965	1.0000	0.00000
4.5000	3582.973	4.4999	-0.00007
8.0000	3862.850	8.0000	-0.00002
11.5000	4157.984	11.5000	0.00003
15.0000	4468.762	15.0001	0.00008
18.5000	4795.543	18.5000	-0.00001
22.0000	5138.710	22.0000	-0.00001
25.5001	5498.611	25.5001	-0.00004
29.0001	5875.566	29.0001	-0.00005
32.5000	6269.904	32.5000	0.00005

f = Instrument Output (Hz)

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

Residual (°C) = instrument temperature - bath temperature

