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SENSOR SERIAL NUMBER: 5171
CALIBRATION DATE: 05-Oct-19

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39241519e-003
h = 6.45504789e-004
i = 2.30179111e-005
j = 2.14897889e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3137.514	-1.5000	0.00004
1.0000	3317.921	1.0000	-0.00002
4.5000	3582.919	4.4999	-0.00005
8.0000	3862.785	8.0000	-0.00001
11.5000	4157.908	11.5000	0.00001
15.0000	4468.679	15.0001	0.00009
18.5000	4795.452	18.5000	0.00002
22.0000	5138.600	22.0000	-0.00005
25.5000	5498.478	25.5000	-0.00003
29.0000	5875.408	29.0000	-0.00004
32.5000	6269.723	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

