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SENSOR SERIAL NUMBER: 5236
CALIBRATION DATE: 01-Feb-20

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39586164e-003
h = 6.78703073e-004
i = 2.81162978e-005
j = 2.14975671e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3000.517	-1.5000	0.00004
1.0000	3166.467	1.0000	-0.00004
4.5000	3409.850	4.5000	-0.00003
8.0000	3666.444	8.0000	-0.00004
11.5000	3936.607	11.5000	0.00000
15.0000	4220.687	15.0001	0.00012
18.5000	4518.996	18.5000	0.00002
22.0000	4831.881	22.0000	-0.00005
25.5000	5159.663	25.5000	-0.00005
29.0000	5502.645	29.0000	-0.00003
32.5000	5861.129	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

