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SENSOR SERIAL NUMBER: 4551
CALIBRATION DATE: 14-Dec-17

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.33662756e-003
h = 6.33447815e-004
i = 1.98171614e-005
j = 1.57536659e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2907.527	-1.4999	0.00011
1.0000	3076.069	1.0000	-0.00002
4.5000	3323.733	4.4998	-0.00021
8.0000	3585.434	7.9999	-0.00011
11.5000	3861.548	11.5001	0.00009
15.0000	4152.440	15.0002	0.00023
18.5000	4458.468	18.5002	0.00020
22.0000	4779.980	21.9999	-0.00007
25.5001	5117.365	25.4999	-0.00024
29.0000	5470.939	28.9998	-0.00022
32.5000	5841.084	32.5002	0.00024

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

