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SENSOR SERIAL NUMBER: 0701
CALIBRATION DATE: 27-Feb-19

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.81963915e-003
h = 6.82725680e-004
i = 3.13748244e-005
j = 2.94152700e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	5989.565	-1.4999	0.00008
1.0000	6335.506	1.0000	-0.00004
4.5000	6843.798	4.4999	-0.00010
8.0000	7380.751	7.9999	-0.00008
11.5000	7947.111	11.5000	0.00005
15.0000	8543.566	15.0001	0.00012
18.5000	9170.805	18.5002	0.00015
22.0000	9829.458	22.0000	0.00003
25.5000	10520.163	25.4998	-0.00018
29.0000	11243.561	28.9998	-0.00022
32.5000	12000.285	32.5002	0.00020

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

