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SENSOR SERIAL NUMBER: 5001
CALIBRATION DATE: 16-Jan-20

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41617972e-003
h = 6.49911094e-004
i = 2.28239649e-005
j = 1.88674077e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3236.950	-1.5000	0.00000
1.0000	3422.198	1.0000	0.00001
4.5000	3694.241	4.5000	-0.00005
8.0000	3981.490	8.0000	0.00001
11.5000	4284.341	11.5000	0.00001
15.0000	4603.204	15.0001	0.00008
18.5000	4938.438	18.4999	-0.00009
22.0000	5290.466	22.0000	-0.00001
25.5000	5659.622	25.5000	0.00002
29.0000	6046.259	29.0000	0.00001
32.5000	6450.716	32.5000	-0.00001

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

