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SENSOR SERIAL NUMBER: 1609
CALIBRATION DATE: 25-Jun-21

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.86792731e-003
h = 6.82705052e-004
i = 2.74727024e-005
j = 2.21580013e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	6399.058	-1.4998	0.00015
1.0000	6765.495	0.9999	-0.00010
4.5000	7303.559	4.4998	-0.00021
8.0000	7871.563	7.9999	-0.00010
11.5000	8470.273	11.5002	0.00017
15.0000	9100.407	15.0004	0.00043
18.5000	9762.535	18.4999	-0.00011
22.0000	10457.576	21.9998	-0.00021
25.5000	11186.161	25.4999	-0.00011
29.0000	11948.890	29.0000	0.00001
32.5000	12746.361	32.5001	0.00010

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

