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SENSOR SERIAL NUMBER: 6177
CALIBRATION DATE: 16-Jan-22

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.35445246e-003
h = 6.37891881e-004
i = 2.25568033e-005
j = 2.14205519e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2984.113	-1.4999	0.00005
1.0000	3157.191	0.9999	-0.00006
4.5000	3411.586	4.5000	-0.00002
8.0000	3680.429	8.0000	-0.00002
11.5000	3964.124	11.5001	0.00005
15.0000	4263.044	15.0000	0.00004
18.5000	4577.567	18.5000	-0.00001
22.0000	4908.066	22.0000	0.00003
25.5000	5254.868	25.4999	-0.00006
29.0000	5618.334	29.0000	-0.00005
32.5000	5998.784	32.5001	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

