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SENSOR SERIAL NUMBER: 5140
CALIBRATION DATE: 10-Mar-21

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.36423287e-003
h = 6.40097185e-004
i = 2.16995618e-005
j = 1.94643607e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3017.149	-1.5000	0.00003
1.0000	3191.227	1.0000	-0.00003
4.5000	3446.972	4.5000	-0.00002
8.0000	3717.111	8.0000	-0.00001
11.5000	4002.033	11.5000	0.00001
15.0000	4302.127	15.0002	0.00016
18.5000	4617.711	18.4999	-0.00011
22.0000	4949.199	21.9999	-0.00012
25.5000	5296.931	25.5001	0.00007
29.0000	5661.197	29.0001	0.00005
32.5000	6042.326	32.5000	-0.00003

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

