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SENSOR SERIAL NUMBER: 5140
CALIBRATION DATE: 21-Dec-19

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.36480486e-003
h = 6.41248064e-004
i = 2.24708301e-005
j = 2.11614928e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3017.214	-1.5000	0.00001
1.0000	3191.281	1.0000	-0.00001
4.5000	3447.014	4.5000	-0.00002
8.0000	3717.152	8.0000	0.00000
11.5000	4002.078	11.5000	0.00001
15.0000	4302.174	15.0001	0.00006
18.4999	4617.777	18.4999	-0.00004
22.0000	4949.288	21.9999	-0.00006
25.5000	5297.023	25.5000	0.00003
29.0000	5661.296	29.0000	0.00002
32.5000	6042.428	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

