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SENSOR SERIAL NUMBER: 5233
CALIBRATION DATE: 04-Feb-20

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40249093e-003
h = 6.80210037e-004
i = 2.83648409e-005
j = 2.09960080e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3026.252	-1.4999	0.00005
1.0000	3193.515	1.0000	-0.00005
4.5000	3438.833	4.4999	-0.00005
8.0000	3697.485	8.0000	0.00000
11.5000	3969.824	11.5000	0.00002
15.0000	4256.205	15.0001	0.00006
18.5000	4556.965	18.5000	0.00003
22.0000	4872.443	22.0000	-0.00001
25.5000	5202.966	25.5000	-0.00004
29.0000	5548.847	28.9999	-0.00008
32.5000	5910.411	32.5001	0.00007

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

