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SENSOR SERIAL NUMBER: 5233
CALIBRATION DATE: 20-May-17

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40238846e-003
h = 6.79885092e-004
i = 2.81415969e-005
j = 2.04969034e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3026.499	-1.5000	0.00003
1.0000	3193.783	1.0000	-0.00003
4.5000	3439.126	4.5000	-0.00002
8.0000	3697.798	8.0000	-0.00001
11.5000	3970.159	11.5000	0.00001
15.0000	4256.564	15.0001	0.00006
18.5000	4557.342	18.5000	-0.00003
22.0000	4872.849	22.0000	-0.00001
25.5000	5203.399	25.5000	-0.00003
29.0000	5549.316	29.0000	0.00000
32.5000	5910.899	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

