

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5237
CALIBRATION DATE: 10-Nov-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41001181e-003
h = 6.79607365e-004
i = 2.83188494e-005
j = 2.15847690e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3065.517	-1.5000	0.00002
1.0000	3235.184	1.0000	0.00002
4.5000	3484.019	4.4999	-0.00006
8.0000	3746.387	8.0000	-0.00002
11.5000	4022.644	11.5000	0.00002
15.0000	4313.143	15.0001	0.00005
18.5000	4618.226	18.5000	0.00004
22.0000	4938.230	22.0000	-0.00000
25.5000	5273.485	25.5000	-0.00003
29.0001	5624.314	29.0000	-0.00008
32.5000	5991.014	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

