

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5237
CALIBRATION DATE: 11-Oct-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.41005763e-003
h = 6.79689541e-004
i = 2.83723067e-005
j = 2.16957908e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3065.544	-1.5000	0.00003
1.0000	3235.206	1.0000	-0.00005
4.5000	3484.050	4.5000	-0.00001
8.0000	3746.419	8.0000	-0.00000
11.5000	4022.679	11.5000	0.00004
15.0000	4313.179	15.0000	0.00004
18.5000	4618.262	18.5000	-0.00002
22.0000	4938.272	21.9999	-0.00005
25.5000	5273.540	25.5000	-0.00000
29.0000	5624.374	29.0000	0.00004
32.5000	5991.069	32.5000	-0.00001

Temperature ITS-90 = $1/\{g + h[\ln(f_0/f)] + i[\ln^2(f_0/f)] + j[\ln^3(f_0/f)]\} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

