

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3404
CALIBRATION DATE: 28-Nov-14

SBE 21 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.17688293e-003
h = 6.06937423e-004
i = 1.69983218e-005
j = 9.75387591e-007
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	2442.918	1.0001	0.00011
4.5000	2645.263	4.4998	-0.00021
15.0000	3325.579	15.0002	0.00017
18.5000	3577.959	18.5000	0.00004
24.0000	4001.789	23.9999	-0.00012
29.0000	4416.977	28.9999	-0.00009
32.5000	4725.099	32.5001	0.00009

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

