

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5001

CALIBRATION DATE: 21-Apr-15

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.41627018e-003

h = 6.50088787e-004

i = 2.29606616e-005

j = 1.91937604e-006

f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3237.045	-1.5000	0.00003
1.0000	3422.297	1.0000	-0.00003
4.5000	3694.357	4.5000	-0.00005
7.9999	3981.619	8.0000	0.00008
11.5000	4284.488	11.5000	-0.00002
15.0000	4603.367	15.0000	0.00003
18.4999	4938.620	18.4999	-0.00004
21.9999	5290.662	21.9999	-0.00000
25.4999	5659.832	25.4999	-0.00001
28.9999	6046.488	28.9999	0.00002
32.4999	6450.956	32.4999	-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

