

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5017

CALIBRATION DATE: 21-Apr-15

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.33028600e-003

h = 6.35794193e-004

i = 2.11025594e-005

j = 1.86058972e-006

f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	2870.144	-1.5000	0.00002
1.0000	3036.252	1.0000	-0.00003
4.5000	3280.340	4.5000	-0.00004
7.9999	3538.233	8.0000	0.00008
11.5000	3810.307	11.5000	-0.00001
15.0000	4096.931	15.0000	0.00000
18.4999	4398.448	18.4999	-0.00004
21.9999	4715.237	21.9999	0.00001
25.4999	5047.611	25.4999	0.00001
28.9999	5395.898	28.9999	0.00000
32.4999	5760.410	32.4999	-0.00000

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

