

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5017

CALIBRATION DATE: 12-May-15

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.33032804e-003

h = 6.35898472e-004

i = 2.11773099e-005

j = 1.87894938e-006

f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	2870.113	-1.5000	0.00002
0.9999	3036.214	0.9999	0.00001
4.5000	3280.299	4.4999	-0.00006
8.0000	3538.188	8.0000	-0.00003
11.4999	3810.256	11.5000	0.00007
14.9999	4096.873	15.0000	0.00007
18.5000	4398.397	18.5000	-0.00003
22.0000	4715.173	22.0000	-0.00005
25.5000	5047.543	25.5000	-0.00001
29.0000	5395.823	29.0000	0.00001
32.5000	5760.323	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

