

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5237

CALIBRATION DATE: 23-Apr-14

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.41021953e-003

h = 6.80037366e-004

i = 2.86364525e-005

j = 2.23473962e-006

f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3065.602	-1.5000	0.00001
1.0000	3235.273	1.0000	0.00001
4.5000	3484.121	4.5000	-0.00001
8.0000	3746.494	7.9999	-0.00007
11.5000	4022.767	11.5000	0.00001
14.9999	4313.278	15.0000	0.00011
18.5000	4618.375	18.5000	-0.00001
22.0000	4938.394	22.0000	-0.00003
25.5000	5273.661	25.5000	-0.00004
29.0000	5624.495	29.0000	-0.00000
32.5000	5991.192	32.5000	0.00002

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

