

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3114
CALIBRATION DATE: 12-Mar-15

SBE 16 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.21032992e-003
h = 5.88752096e-004
i = -9.02810802e-007
j = -2.89630118e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	2608.193	0.9998	-0.00016
4.5000	2822.684	4.5003	0.00030
14.9999	3540.374	14.9996	-0.00032
18.5000	3805.684	18.5000	0.00004
23.9999	4250.253	24.0001	0.00019
29.0000	4684.854	29.0000	0.00003
32.5000	5006.936	32.4999	-0.00008

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

