

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3115
CALIBRATION DATE: 12-Mar-15

SBE 16 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.18012788e-003
h = 5.97576489e-004
i = 5.77148213e-006
j = -1.81475707e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	2462.409	0.9997	-0.00032
4.5000	2664.936	4.5006	0.00058
14.9999	3343.632	14.9996	-0.00027
18.5000	3594.883	18.4996	-0.00041
23.9999	4016.398	24.0002	0.00032
29.0000	4428.877	29.0005	0.00050
32.5000	4734.713	32.4996	-0.00040

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

