

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0653
CALIBRATION DATE: 23-Jan-15

SBE 16 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.18896815e-003
h = 5.97264663e-004
i = 6.37863316e-006
j = -1.09122574e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	2501.094	0.9999	-0.00014
4.5000	2706.708	4.5002	0.00025
15.0000	3395.211	14.9999	-0.00011
18.5000	3649.778	18.4998	-0.00017
23.9999	4076.421	24.0000	0.00010
29.0000	4493.439	29.0003	0.00026
32.5000	4802.345	32.4998	-0.00019

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

