

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1384
CALIBRATION DATE: 02-Jul-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.86971117e-003
h = 6.80263893e-004
i = 2.69587368e-005
j = 2.13267961e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	6453.210	-1.5000	0.00001
1.0000	6823.823	1.0000	-0.00001
4.5000	7368.084	4.5000	-0.00000
8.0000	7942.709	8.0000	-0.00001
11.5000	8548.500	11.5000	0.00001
15.0000	9186.212	15.0000	-0.00000
18.5000	9856.600	18.5000	0.00002
22.0000	10560.369	22.0000	0.00001
25.5000	11298.209	25.5000	-0.00001
29.0000	12070.780	29.0000	-0.00003
32.5000	12878.732	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

