

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1366
CALIBRATION DATE: 02-Jul-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.83458741e-003
h = 6.76660738e-004
i = 2.58911638e-005
j = 2.02625345e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	6124.972	-1.5000	0.00002
1.0000	6476.243	1.0000	-0.00001
4.5000	6992.031	4.5000	-0.00003
8.0000	7536.525	8.0000	-0.00001
11.5000	8110.467	11.5000	0.00002
15.0000	8714.573	15.0000	0.00002
18.5000	9349.549	18.5000	0.00002
22.0000	10016.066	22.0000	0.00001
25.5000	10714.768	25.5000	-0.00004
29.0000	11446.291	28.9999	-0.00005
32.5000	12211.249	32.5000	0.00004

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

