

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2946
CALIBRATION DATE: 03-Jun-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.34396030e-003
h = 6.39060473e-004
i = 2.13319840e-005
j = 1.82021671e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	2920.984	-1.5000	0.00002
1.0000	3089.428	1.0000	-0.00003
4.5000	3336.900	4.5000	-0.00002
8.0000	3598.310	8.0000	-0.00002
11.5000	3874.044	11.5001	0.00005
15.0000	4164.462	15.0001	0.00006
18.5000	4469.918	18.4999	-0.00006
22.0000	4790.786	22.0000	-0.00004
25.5000	5127.393	25.5000	0.00001
29.0000	5480.063	29.0000	0.00004
32.5000	5849.102	32.5000	-0.00001

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

