

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5236
CALIBRATION DATE: 10-Oct-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.39587028e-003
h = 6.78643662e-004
i = 2.80700078e-005
j = 2.13896327e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3000.673	-1.4999	0.00005
1.0000	3166.628	0.9999	-0.00007
4.5000	3410.027	4.5000	0.00000
8.0000	3666.632	8.0000	-0.00002
11.5000	3936.806	11.5000	0.00001
15.0000	4220.896	15.0001	0.00010
18.5000	4519.213	18.5000	-0.00005
22.0000	4832.117	22.0000	-0.00004
25.5000	5159.917	25.5000	0.00000
29.0000	5502.911	29.0000	-0.00001
32.5000	5861.406	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

