

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5898
CALIBRATION DATE: 18-Mar-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.35074558e-003
h = 6.26163668e-004
i = 1.90902227e-005
j = 1.34888708e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3014.696	-1.5001	-0.00007
0.9999	3191.779	1.0000	0.00009
4.4999	3452.228	4.5000	0.00005
7.9999	3727.707	7.9999	-0.00004
11.4999	4018.666	11.4999	-0.00003
14.9999	4325.527	14.9999	-0.00003
18.4999	4648.712	18.4999	-0.00003
21.9999	4988.638	21.9999	0.00003
25.5000	5345.703	25.5000	0.00003
29.0000	5720.286	29.0000	0.00005
32.5000	6112.759	32.4999	-0.00005

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

