

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1701
CALIBRATION DATE: 08-Jul-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.79001414e-003
h = 6.53406830e-004
i = 1.83223184e-005
j = 9.90131639e-007
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	5912.135	-1.5000	0.00003
0.9999	6254.106	0.9998	-0.00007
4.5000	6756.421	4.5000	0.00002
7.9999	7286.798	7.9999	0.00003
11.4999	7846.050	11.4999	0.00003
14.9999	8434.908	15.0000	0.00006
18.4999	9054.055	18.4998	-0.00012
22.0000	9704.279	21.9999	-0.00012
25.5000	10386.241	25.5001	0.00010
29.0000	11100.538	29.0001	0.00013
32.5000	11847.796	32.4999	-0.00009

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

