

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2958
CALIBRATION DATE: 13-Mar-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.39497547e-003
h = 6.73244673e-004
i = 3.02260832e-005
j = 2.82918207e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3033.571	-1.4999	0.00009
0.9999	3203.601	0.9998	-0.00009
4.4999	3453.206	4.4998	-0.00012
7.9999	3716.633	8.0000	0.00006
11.4999	3994.226	11.5000	0.00007
14.9999	4286.360	15.0000	0.00007
18.4999	4593.375	18.4998	-0.00006
21.9999	4915.643	21.9999	0.00003
25.5000	5253.464	25.4999	-0.00008
29.0000	5607.170	29.0000	-0.00002
32.5000	5977.058	32.5001	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

