

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 5584
CALIBRATION DATE: 06-Mar-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.32884138e-003
h = 6.29314466e-004
i = 1.92771610e-005
j = 1.30008883e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	2889.635	-1.5001	-0.00005
0.9999	3058.253	1.0000	0.00009
4.5000	3306.158	4.5000	-0.00002
8.0000	3568.267	7.9999	-0.00005
11.4999	3844.997	11.5000	0.00006
14.9999	4136.748	15.0000	0.00006
18.5000	4443.908	18.4999	-0.00013
22.0000	4766.885	21.9999	-0.00005
25.4999	5106.044	25.5000	0.00013
29.0000	5461.741	29.0000	0.00002
32.4999	5834.325	32.4999	-0.00004

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

