

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1384
CALIBRATION DATE: 23-Jun-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.86987968e-003
h = 6.80442394e-004
i = 2.70226421e-005
j = 2.13989731e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	6453.330	-1.5000	0.00002
0.9999	6823.928	0.9999	0.00001
4.5000	7368.185	4.4999	-0.00009
7.9999	7942.817	7.9999	0.00003
11.4999	8548.606	11.4999	0.00003
14.9999	9186.333	15.0000	0.00006
18.5000	9856.723	18.4999	-0.00005
21.9999	10560.497	21.9999	0.00001
25.4999	11298.352	25.4999	-0.00001
28.9999	12070.938	28.9999	-0.00004
32.4999	12878.914	32.4999	0.00003

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

