

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1008
CALIBRATION DATE: 16-Jul-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.80144386e-003
h = 6.56454506e-004
i = 2.41166819e-005
j = 1.85919348e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	6110.835	-1.5000	-0.00005
1.0000	6470.739	1.0001	0.00007
4.5000	7000.075	4.5000	0.00003
8.0000	7559.949	7.9999	-0.00005
11.5000	8151.248	11.5000	-0.00001
15.0000	8774.784	15.0000	-0.00001
18.5000	9431.382	18.5000	-0.00000
22.0000	10121.838	22.0000	0.00004
25.5000	10846.893	25.5000	0.00001
29.0000	11607.303	29.0000	-0.00002
32.5000	12403.788	32.5000	0.00000

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

