

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1366
CALIBRATION DATE: 23-Jun-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.83430685e-003
h = 6.76257430e-004
i = 2.56768213e-005
j = 1.98936034e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	6124.627	-1.5000	0.00003
0.9999	6475.859	0.9999	0.00001
4.5000	6991.603	4.4999	-0.00012
7.9999	7536.059	7.9999	0.00005
11.4999	8109.944	11.4999	0.00002
14.9999	8714.011	15.0000	0.00007
18.5000	9348.938	18.5000	-0.00003
21.9999	10015.401	21.9999	0.00001
25.4999	10714.066	25.4999	-0.00003
28.9999	11445.554	28.9998	-0.00005
32.4999	12210.488	32.4999	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

