

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2327
CALIBRATION DATE: 04-Feb-15

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.35202199e-003
h = 6.43111386e-004
i = 2.34640356e-005
j = 2.29556338e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	2948.264	-1.5000	0.00006
1.0000	3118.052	0.9999	-0.00006
4.5000	3367.497	4.4999	-0.00006
8.0000	3630.990	8.0000	-0.00005
11.4999	3908.912	11.5000	0.00013
14.9999	4201.614	15.0000	0.00008
18.5000	4509.459	18.4999	-0.00009
21.9999	4832.800	21.9999	0.00003
25.5000	5171.957	25.4999	-0.00006
29.0000	5527.253	29.0000	-0.00001
32.5000	5898.987	32.5000	0.00004

$$\text{Temperature ITS-90} = 1/\{g + h[\ln(f_0/f)] + i[\ln^2(f_0/f)] + j[\ln^3(f_0/f)]\} - 273.15 \text{ (}^\circ\text{C)}$$

Residual = instrument temperature - bath temperature

