

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1367
 CALIBRATION DATE: 30-Jun-15

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.86018753e-003
 h = 6.75526281e-004
 i = 2.68267358e-005
 j = 2.12951860e-006
 f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	6441.039	-1.5000	0.00001
0.9999	6813.634	0.9999	0.00003
4.5000	7361.088	4.4999	-0.00007
8.0000	7939.418	8.0000	-0.00005
11.4999	8549.443	11.5000	0.00007
14.9999	9191.962	15.0000	0.00007
18.5000	9867.756	18.5000	-0.00001
22.0000	10577.564	22.0000	-0.00003
25.5000	11322.117	25.5000	-0.00002
29.0000	12102.096	29.0000	-0.00003
32.4999	12918.164	32.4999	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

