

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0818

CALIBRATION DATE: 04-Mar-15

SBE 39 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999856e-001

rtca1 = 1.565724e-006

rtca2 = -3.561031e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999830	0.9999831	0.1
0.9999	0.9999870	0.9999871	0.1
4.5000	0.9999920	0.9999919	-0.1
8.0000	0.9999960	0.9999958	-0.2
11.4999	0.9999990	0.9999988	-0.2
15.0000	1.0000010	1.0000010	0.0
18.5000	1.0000020	1.0000023	0.3
22.0000	1.0000030	1.0000028	-0.2
25.4999	1.0000020	1.0000023	0.3
29.0000	1.0000010	1.0000010	0.0
32.4999	0.9999990	0.9999988	-0.2

$$\text{RTC frequency} = \text{rtca0} + \text{rtca1} * t + \text{rtca2} * t^2$$

$$\text{Residual} = (\text{Computed RTC frequency} - \text{Measured RTC frequency}) * 1e6$$

