

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0809
CALIBRATION DATE: 11-Feb-14

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999852e-001

rtca1 = 1.520790e-006

rtca2 = -3.456035e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999830	0.9999829	-0.1
1.0000	0.9999870	0.9999867	-0.3
4.5000	0.9999910	0.9999914	0.4
8.0000	0.9999950	0.9999952	0.2
11.5000	0.9999980	0.9999981	0.1
15.0000	1.0000000	1.0000003	0.3
18.5000	1.0000020	1.0000015	-0.5
22.0000	1.0000020	1.0000020	-0.0
25.5000	1.0000020	1.0000015	-0.5
29.0000	1.0000000	1.0000003	0.3
32.5000	0.9999980	0.9999982	0.2

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

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

Date, Delta F ppm

