

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0992
CALIBRATION DATE: 12-Feb-14

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999775e-001

rtca1 = 1.568336e-006

rtca2 = -3.457149e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999750	0.9999751	0.1
1.0000	0.9999790	0.9999790	0.0
4.5000	0.9999840	0.9999839	-0.1
8.0000	0.9999880	0.9999878	-0.2
11.5000	0.9999910	0.9999910	-0.0
15.0000	0.9999930	0.9999933	0.3
18.5000	0.9999950	0.9999947	-0.3
22.0000	0.9999950	0.9999953	0.3
25.5000	0.9999950	0.9999950	0.0
29.0000	0.9999940	0.9999939	-0.1
32.5000	0.9999920	0.9999920	-0.0

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

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

Date, Delta F ppm

