

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0554  
CALIBRATION DATE: 11-Feb-14

SBE 39 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999715e-001

rtca1 = 1.688960e-006

rtca2 = -3.576183e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999690	0.9999689	-0.1
1.0000	0.9999730	0.9999731	0.1
4.5000	0.9999780	0.9999783	0.3
8.0000	0.9999830	0.9999827	-0.3
11.5000	0.9999860	0.9999862	0.2
15.0000	0.9999890	0.9999888	-0.2
18.5000	0.9999910	0.9999905	-0.5
22.0000	0.9999910	0.9999913	0.3
25.5000	0.9999910	0.9999913	0.3
29.0000	0.9999900	0.9999904	0.4
32.5000	0.9999890	0.9999886	-0.4

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

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

Date, Delta F ppm

