

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2024

CALIBRATION DATE: 05-Feb-14

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999751e-001

rtca1 = 1.739718e-006

rtca2 = -3.278586e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999770	0.9999768	-0.2
4.5000	0.9999820	0.9999823	0.3
15.0000	0.9999940	0.9999938	-0.2
18.5000	0.9999960	0.9999961	0.1
24.0000	0.9999980	0.9999980	-0.0
29.0000	0.9999980	0.9999980	-0.0
32.4999	0.9999970	0.9999970	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

