

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2023
CALIBRATION DATE: 13-Jan-12

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999800e-001

rtca1 = 1.786066e-006

rtca2 = -3.301607e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999820	0.9999817	-0.3
4.5000	0.9999870	0.9999873	0.3
14.9999	0.9999990	0.9999993	0.3
18.5000	1.0000020	1.0000017	-0.3
24.0000	1.0000040	1.0000038	-0.2
29.0000	1.0000040	1.0000040	-0.0
32.5000	1.0000030	1.0000031	0.1

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

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

Date, Delta F ppm

