

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2321
CALIBRATION DATE: 05-Feb-14

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999992e-001

rtca1 = 1.703707e-006

rtca2 = -3.485247e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000010	1.0000009	-0.1
4.5000	1.0000060	1.0000062	0.2
15.0000	1.0000170	1.0000169	-0.1
18.5000	1.0000190	1.0000188	-0.2
24.0000	1.0000200	1.0000200	0.0
29.0000	1.0000190	1.0000193	0.3
32.4999	1.0000180	1.0000178	-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

