

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2331
CALIBRATION DATE: 07-Feb-14

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000000e+000

rtca1 = 1.469666e-006

rtca2 = -3.102629e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000020	1.0000017	-0.3
4.4999	1.0000060	1.0000063	0.3
15.0000	1.0000150	1.0000154	0.4
18.5000	1.0000170	1.0000169	-0.1
23.9999	1.0000180	1.0000177	-0.3
29.0001	1.0000170	1.0000168	-0.2
32.5001	1.0000150	1.0000153	0.3

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

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

Date, Delta F ppm

