

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 10-Dec-13

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999955e-001

rtca1 = 1.587013e-006

rtca2 = -2.869575e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
1.0000	0.9999970	0.9999970	0.0
4.5000	1.0000020	1.0000020	0.0
15.0000	1.0000130	1.0000128	-0.2
18.5000	1.0000150	1.0000150	0.0
24.0000	1.0000170	1.0000170	0.0
29.0000	1.0000170	1.0000174	0.4
32.5000	1.0000170	1.0000167	-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

