

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0812

CALIBRATION DATE: 11-Sep-14

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999752e-001

rtca1 = 1.675625e-006

rtca2 = -2.609404e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999770	0.9999768	-0.2
4.5000	0.9999820	0.9999822	0.2
14.9999	0.9999940	0.9999944	0.4
18.4999	0.9999980	0.9999973	-0.7
23.9999	1.0000000	1.0000004	0.4
29.0001	1.0000020	1.0000018	-0.2
32.5000	1.0000020	1.0000021	0.1

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

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

