

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3424

CALIBRATION DATE: 11-Sep-14

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999822e-001

rtca1 = 1.676711e-006

rtca2 = -3.172656e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999840	0.9999838	-0.2
4.5000	0.9999890	0.9999891	0.1
15.0000	1.0000000	1.0000002	0.2
18.5000	1.0000020	1.0000024	0.4
24.0000	1.0000050	1.0000042	-0.8
29.0000	1.0000040	1.0000041	0.1
32.5001	1.0000030	1.0000032	0.2

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

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

