

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2448

CALIBRATION DATE: 19-Sep-15

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.0000003e+000

rtca1 = 1.526418e-006

rtca2 = -3.285089e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.00000050	1.00000047	-0.3
4.5000	1.00000090	1.00000094	0.4
14.9999	1.00000190	1.00000187	-0.3
18.5000	1.00000200	1.00000202	0.2
24.0000	1.00000210	1.00000209	-0.1
29.0000	1.00000200	1.00000199	-0.1
32.5001	1.00000180	1.00000181	0.1

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

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

