

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2318
CALIBRATION DATE: 03-Mar-15

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999945e-001

rtca1 = 1.547130e-006

rtca2 = -3.277850e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999960	0.9999960	0.0
4.5000	1.0000010	1.0000008	-0.2
15.0000	1.0000100	1.0000104	0.4
18.5000	1.0000120	1.0000119	-0.1
24.0000	1.0000130	1.0000128	-0.2
29.0000	1.0000120	1.0000118	-0.2
32.5000	1.0000100	1.0000102	0.2

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

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

