

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0504
CALIBRATION DATE: 26-Nov-15

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999715e-001
rtca1 = 1.593781e-006
rtca2 = -3.367623e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999690	0.9999690	-0.0
1.0000	0.9999730	0.9999730	0.0
4.5000	0.9999780	0.9999779	-0.1
8.0000	0.9999820	0.9999821	0.1
11.5000	0.9999850	0.9999853	0.3
15.0000	0.9999880	0.9999878	-0.2
18.5000	0.9999900	0.9999894	-0.6
22.0000	0.9999900	0.9999902	0.2
25.5000	0.9999900	0.9999902	0.2
29.0000	0.9999890	0.9999894	0.4
32.5000	0.9999880	0.9999877	-0.3

t = temperature (°C)

RTC frequency = $rtca0 + rtca1 * t + rtca2 * t^2$

Residual (PPM) = (Computed RTC frequency - Measured RTC frequency) * 1e6

