

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0517
CALIBRATION DATE: 06-Oct-16

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999764e-001
rtca1 = 1.636057e-006
rtca2 = -3.635770e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999740	0.9999739	-0.1
1.0000	0.9999780	0.9999780	-0.0
4.5000	0.9999830	0.9999830	0.0
8.0001	0.9999870	0.9999871	0.1
11.5000	0.9999900	0.9999904	0.4
15.0000	0.9999930	0.9999927	-0.3
18.5000	0.9999940	0.9999942	0.2
22.0000	0.9999950	0.9999948	-0.2
25.5000	0.9999950	0.9999945	-0.5
29.0000	0.9999930	0.9999933	0.3
32.5000	0.9999910	0.9999912	0.2

t = temperature (°C)

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

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

