

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0817
CALIBRATION DATE: 26-Nov-15

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999753e-001

rtca1 = 1.493475e-006

rtca2 = -3.496306e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999730	0.9999730	0.0
1.0000	0.9999770	0.9999768	-0.2
4.5000	0.9999810	0.9999813	0.3
8.0000	0.9999850	0.9999850	0.0
11.5000	0.9999880	0.9999879	-0.1
15.0000	0.9999900	0.9999899	-0.1
18.5000	0.9999910	0.9999910	-0.0
22.0000	0.9999910	0.9999913	0.3
25.5000	0.9999910	0.9999907	-0.3
29.0000	0.9999890	0.9999892	0.2
32.5000	0.9999870	0.9999869	-0.1

t = temperature (°C)

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

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

