

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0520
CALIBRATION DATE: 15-Oct-16

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999774e-001

rtca1 = 1.595670e-006

rtca2 = -3.425653e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999750	0.9999750	-0.0
1.0000	0.9999790	0.9999790	0.0
4.5000	0.9999840	0.9999839	-0.1
8.0000	0.9999880	0.9999880	0.0
11.5000	0.9999910	0.9999913	0.3
15.0000	0.9999940	0.9999937	-0.3
18.5000	0.9999950	0.9999952	0.2
22.0000	0.9999960	0.9999960	-0.0
25.5000	0.9999960	0.9999959	-0.1
29.0000	0.9999950	0.9999949	-0.1
32.5000	0.9999930	0.9999931	0.1

t = temperature (°C)

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

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

