

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0512
CALIBRATION DATE: 11-Oct-16

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999744e-001
rtca1 = 1.636068e-006
rtca2 = -3.635801e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.4999	0.9999720	0.9999719	-0.1
1.0000	0.9999760	0.9999760	-0.0
4.5000	0.9999810	0.9999810	0.0
8.0000	0.9999850	0.9999851	0.1
11.5000	0.9999880	0.9999884	0.4
15.0000	0.9999910	0.9999907	-0.3
18.5000	0.9999920	0.9999922	0.2
22.0000	0.9999930	0.9999928	-0.2
25.5000	0.9999930	0.9999925	-0.5
29.0000	0.9999910	0.9999913	0.3
32.5000	0.9999890	0.9999892	0.2

t = temperature (°C)

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

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

