

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0515
CALIBRATION DATE: 05-Oct-16

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999809e-001
rtca1 = 1.537966e-006
rtca2 = -3.381913e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999790	0.9999785	-0.5
1.0000	0.9999820	0.9999824	0.4
4.5000	0.9999870	0.9999871	0.1
8.0000	0.9999910	0.9999910	0.0
11.5000	0.9999940	0.9999941	0.1
14.9999	0.9999960	0.9999964	0.4
18.5000	0.9999980	0.9999978	-0.2
22.0000	0.9999990	0.9999984	-0.6
25.5000	0.9999980	0.9999981	0.1
29.0000	0.9999970	0.9999971	0.1
32.5000	0.9999950	0.9999952	0.2

t = temperature (°C)

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

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

