

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0812

CALIBRATION DATE: 04-Oct-16

SBE 39 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999775e-001

rtca1 = 1.592984e-006

rtca2 = -3.365869e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999750	0.9999750	-0.0
1.0000	0.9996420	0.9999790	337.0
4.5000	0.9999840	0.9999840	-0.0
8.0000	0.9999880	0.9999881	0.1
11.5000	0.9999910	0.9999913	0.3
14.9999	0.9999940	0.9999938	-0.2
18.5000	0.9999960	0.9999954	-0.6
22.0000	0.9999960	0.9999962	0.2
25.5000	0.9999960	0.9999962	0.2
29.0000	0.9999950	0.9999954	0.4
32.5000	0.9999940	0.9999937	-0.3

t = temperature (°C)

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

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

