

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0813
CALIBRATION DATE: 08-Dec-16

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999797e-001

rtca1 = 1.657233e-006

rtca2 = -2.811963e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999810	0.9999813	0.3
4.5000	0.9999870	0.9999866	-0.4
15.0000	0.9999980	0.9999982	0.2
18.5000	1.0000010	1.0000007	-0.3
24.0000	1.0000030	1.0000033	0.3
29.0000	1.0000040	1.0000041	0.1
32.5000	1.0000040	1.0000038	-0.2

t = temperature (°C)

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

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

