

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0815
CALIBRATION DATE: 08-Dec-16

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999804e-001

rtca1 = 1.569544e-006

rtca2 = -2.660997e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999820	0.9999820	-0.0
4.5000	0.9999870	0.9999870	-0.0
15.0000	0.9999980	0.9999980	-0.0
18.5000	1.0000000	1.0000004	0.4
24.0000	1.0000030	1.0000028	-0.2
29.0000	1.0000040	1.0000036	-0.4
32.5000	1.0000030	1.0000033	0.3

t = temperature (°C)

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

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

