

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2324
CALIBRATION DATE: 22-Nov-15

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999816e-001

rtca1 = 1.700587e-006

rtca2 = -3.092036e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999830	0.9999832	0.2
4.5000	0.9999890	0.9999886	-0.4
15.0000	1.0000000	1.0000001	0.1
18.5000	1.0000020	1.0000024	0.4
24.0000	1.0000050	1.0000046	-0.4
29.0000	1.0000050	1.0000049	-0.1
32.5000	1.0000040	1.0000042	0.2

t = temperature (°C)

RTC frequency = rtca0 + rtca1 * t + rtca2 * t²

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

