

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3768
CALIBRATION DATE: 22-Nov-15

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999782e-001
rtca1 = 1.686132e-006
rtca2 = -3.022745e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999800	0.9999799	-0.1
4.5000	0.9999850	0.9999852	0.2
15.0000	0.9999970	0.9999967	-0.3
18.5000	0.9999990	0.9999991	0.1
24.0000	1.0000010	1.0000013	0.3
29.0000	1.0000020	1.0000017	-0.3
32.5000	1.0000010	1.0000011	0.1

t = temperature (°C)

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

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

