

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3424
CALIBRATION DATE: 23-Nov-16

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999828e-001

rtca1 = 1.659092e-006

rtca2 = -3.176755e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999850	0.9999844	-0.6
4.4999	0.9999890	0.9999896	0.6
15.0000	1.0000000	1.0000006	0.6
18.5000	1.0000030	1.0000026	-0.4
24.0000	1.0000050	1.0000043	-0.7
29.0000	1.0000040	1.0000042	0.2
32.5000	1.0000030	1.0000032	0.2

t = temperature (°C)

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

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

