

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4254
CALIBRATION DATE: 16-Dec-16

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999812e-001

rtca1 = 1.699714e-006

rtca2 = -3.432908e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
0.9999	0.9999830	0.9999829	-0.1
4.4999	0.9999880	0.9999882	0.2
15.0000	0.9999990	0.9999990	-0.0
18.5000	1.0000010	1.0000009	-0.1
24.0000	1.0000020	1.0000022	0.2
29.0000	1.0000020	1.0000016	-0.4
32.5000	1.0000000	1.0000002	0.2

t = temperature (°C)

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

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

