

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2024
CALIBRATION DATE: 20-Nov-15

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999751e-001

rtca1 = 1.739715e-006

rtca2 = -3.278576e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999770	0.9999768	-0.2
4.5000	0.9999820	0.9999823	0.3
15.0000	0.9999940	0.9999938	-0.2
18.5001	0.9999960	0.9999961	0.1
24.0000	0.9999980	0.9999980	-0.0
29.0000	0.9999980	0.9999980	-0.0
32.4999	0.9999970	0.9999970	0.0

t = temperature (°C)

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

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

