

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3936
CALIBRATION DATE: 01-Dec-16

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999925e-001

rtca1 = 1.603877e-006

rtca2 = -3.460300e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999940	0.9999940	0.0
4.5000	0.9999990	0.9999990	-0.0
15.0000	1.0000090	1.0000087	-0.3
18.5000	1.0000100	1.0000103	0.3
24.0000	1.0000110	1.0000110	0.0
28.9999	1.0000100	1.0000099	-0.1
32.5000	1.0000080	1.0000080	0.0

t = temperature (°C)

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

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

