

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1863  
CALIBRATION DATE: 08-Dec-15

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999903e-001

rtca1 = 1.650119e-006

rtca2 = -3.229401e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999920	0.9999920	-0.0
4.5000	0.9999970	0.9999971	0.1
15.0000	1.0000080	1.0000078	-0.2
18.5000	1.0000100	1.0000098	-0.2
24.0000	1.0000110	1.0000113	0.3
29.0000	1.0000110	1.0000110	0.0
32.5000	1.0000100	1.0000099	-0.1

t = temperature (°C)

RTC frequency = rtca0 + rtca1 \* t + rtca2 \* t<sup>2</sup>

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

