

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3765  
CALIBRATION DATE: 18-Oct-16

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999801e-001

rtca1 = 1.735743e-006

rtca2 = -3.226285e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999820	0.9999818	-0.2
4.5000	0.9999870	0.9999873	0.3
15.0000	0.9999990	0.9999989	-0.1
18.5000	1.0000010	1.0000012	0.2
24.0000	1.0000030	1.0000032	0.2
29.0000	1.0000040	1.0000033	-0.7
32.5000	1.0000020	1.0000024	0.4

t = temperature (°C)

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

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

