

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2328  
CALIBRATION DATE: 20-Nov-15

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 1.0000005e+000  
rtca1 = 1.572660e-006  
rtca2 = -3.054195e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	1.0000070	1.0000066	-0.4
4.5000	1.0000110	1.0000116	0.6
15.0000	1.0000220	1.0000218	-0.2
18.5000	1.0000240	1.0000237	-0.3
24.0000	1.0000250	1.0000253	0.3
29.0000	1.0000250	1.0000250	0.0
32.5000	1.0000240	1.0000240	-0.0

t = temperature (°C)

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

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

