

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4078  
CALIBRATION DATE: 05-Feb-14

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999856e-001

rtca1 = 1.714085e-006

rtca2 = -3.248330e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999870	0.9999873	0.3
4.5000	0.9999930	0.9999926	-0.4
15.0000	1.0000040	1.0000040	-0.0
18.5000	1.0000060	1.0000062	0.2
24.0000	1.0000080	1.0000080	0.0
29.0000	1.0000080	1.0000080	-0.0
32.4999	1.0000070	1.0000070	-0.0

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

$$\text{Residual} = (\text{Computed RTC frequency} - \text{Measured RTC frequency}) * 1e6$$

Date, Delta F ppm

