

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2327  
CALIBRATION DATE: 05-Feb-14

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 1.000004e+000

rtca1 = 1.523155e-006

rtca2 = -3.104576e-008

| BATH TEMP<br>(ITS-90) | RTC FREQ<br>(Hz) | COMPUTED FREQ<br>(Hz) | RESIDUAL<br>(PPM) |
|-----------------------|------------------|-----------------------|-------------------|
| 1.0000                | 1.0000060        | 1.0000057             | -0.3              |
| 4.5000                | 1.0000100        | 1.0000104             | 0.4               |
| 15.0000               | 1.0000200        | 1.0000201             | 0.1               |
| 18.5000               | 1.0000220        | 1.0000218             | -0.2              |
| 24.0000               | 1.0000230        | 1.0000229             | -0.1              |
| 29.0000               | 1.0000220        | 1.0000223             | 0.3               |
| 32.4999               | 1.0000210        | 1.0000209             | -0.1              |

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

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

Date, Delta F ppm

