

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1678
CALIBRATION DATE: 08-Feb-14

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999611e-001

rtca1 = 1.718982e-006

rtca2 = -2.889473e-008

| BATH TEMP (ITS-90) | RTC FREQ (Hz) | COMPUTED FREQ (Hz) | RESIDUAL (PPM) |
|-----------------------|------------------|-----------------------|-------------------|
| 1.0000 | 0.9999630 | 0.9999628 | -0.2 |
| 4.5000 | 0.9999680 | 0.9999682 | 0.2 |
| 15.0000 | 0.9999800 | 0.9999803 | 0.3 |
| 18.5000 | 0.9999830 | 0.9999830 | -0.0 |
| 24.0000 | 0.9999860 | 0.9999857 | -0.3 |
| 29.0000 | 0.9999870 | 0.9999866 | -0.4 |
| 32.5000 | 0.9999860 | 0.9999864 | 0.4 |

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

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

Date, Delta F ppm

