

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2332
CALIBRATION DATE: 14-Dec-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999732e-001

rtca1 = 1.682977e-006

rtca2 = -3.096150e-008

| BATH TEMP (ITS-90) | RTC FREQ (Hz) | COMPUTED FREQ (Hz) | RESIDUAL (PPM) |
|-----------------------|------------------|-----------------------|-------------------|
| 1.0000 | 0.9999750 | 0.9999748 | -0.2 |
| 4.5000 | 0.9999800 | 0.9999801 | 0.1 |
| 14.9999 | 0.9999910 | 0.9999915 | 0.5 |
| 18.4999 | 0.9999940 | 0.9999937 | -0.3 |
| 23.9999 | 0.9999960 | 0.9999957 | -0.3 |
| 29.0000 | 0.9999960 | 0.9999959 | -0.1 |
| 32.5001 | 0.9999950 | 0.9999952 | 0.2 |

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

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

Date, Delta F ppm

