

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1851
CALIBRATION DATE: 19-Jan-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999834e-001

rtca1 = 1.760431e-006

rtca2 = -3.271346e-008

| BATH TEMP (ITS-90) | RTC FREQ (Hz) | COMPUTED FREQ (Hz) | RESIDUAL (PPM) |
|-----------------------|------------------|-----------------------|-------------------|
| 1.0000 | 0.9999850 | 0.9999852 | 0.2 |
| 4.5000 | 0.9999910 | 0.9999907 | -0.3 |
| 15.0000 | 1.0000020 | 1.0000025 | 0.5 |
| 18.5000 | 1.0000050 | 1.0000048 | -0.2 |
| 23.9999 | 1.0000070 | 1.0000068 | -0.2 |
| 29.0000 | 1.0000070 | 1.0000070 | -0.0 |
| 32.4999 | 1.0000060 | 1.0000061 | 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

