

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1810

CALIBRATION DATE: 29-Sep-16

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999724e-001

rtca1 = 1.760420e-006

rtca2 = -3.271320e-008

| BATH TEMPERATURE (° C) | RTC FREQUENCY (Hz) | COMPUTED FREQUENCY (Hz) | RESIDUAL (PPM) |
|---------------------------|-----------------------|----------------------------|-------------------|
| 0.9999 | 0.9999740 | 0.9999742 | 0.2 |
| 4.5000 | 0.9999800 | 0.9999797 | -0.3 |
| 15.0000 | 0.9999910 | 0.9999915 | 0.5 |
| 18.4999 | 0.9999940 | 0.9999938 | -0.2 |
| 23.9999 | 0.9999960 | 0.9999958 | -0.2 |
| 29.0000 | 0.9999960 | 0.9999960 | -0.0 |
| 32.5000 | 0.9999950 | 0.9999951 | 0.1 |

t = temperature (°C)

RTC frequency = rtca0 + rtca1 * t + rtca2 * t²

Residual (PPM) = (Computed RTC frequency - Measured RTC frequency) * 1e6

