# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1678
CALIBRATION DATE: 27-Jan-17

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
rtca0 =  9.999615e-001
rtca1 =  1.750096e-006
rtca2 = -3.041667e-008

| BATH TEMPERATURE (° C) | RTC FREQUENCY (Hz) | COMPUTED FREQUENCY (Hz) | RESIDUAL (PPM) |
|---|---|---|---|
| 1.0000 | 0.9999630 | 0.9999632 | 0.2 |
| 4.5000 | 0.9999690 | 0.9999687 | -0.3 |
| 15.0000 | 0.9999810 | 0.9999809 | -0.1 |
| 18.5000 | 0.9999830 | 0.9999834 | 0.4 |
| 24.0000 | 0.9999860 | 0.9999859 | -0.1 |
| 28.9999 | 0.9999870 | 0.9999866 | -0.4 |
| 32.5000 | 0.9999860 | 0.9999862 | 0.2 |

t = temperature (°C)

RTC frequency = rtca0 + rtca1 * t + rtca2 * t$^2$

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



Date, Delta F PPM
● 08-Feb-14    2.00
▲ 27-Jan-17   -0.00