# Sea-Bird Electronics, Inc.
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SENSOR SERIAL NUMBER: 1850
CALIBRATION DATE: 21-Nov-15

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
rtca0 =  9.999840e-001
rtca1 =  1.786058e-006
rtca2 = -3.301582e-008

| BATH TEMPERATURE (° C) | RTC FREQUENCY (Hz) | COMPUTED FREQUENCY (Hz) | RESIDUAL (PPM) |
|---|---|---|---|
| 1.0000 | 0.9999860 | 0.9999857 | -0.3 |
| 4.5000 | 0.9999910 | 0.9999913 | 0.3 |
| 15.0000 | 1.0000030 | 1.0000033 | 0.3 |
| 18.5001 | 1.0000060 | 1.0000057 | -0.3 |
| 24.0000 | 1.0000080 | 1.0000078 | -0.2 |
| 29.0000 | 1.0000080 | 1.0000080 | -0.0 |
| 32.5000 | 1.0000070 | 1.0000071 | 0.1 |

t = temperature (°C)

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

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



Date, Delta F PPM
● 05-Feb-14   -0.00
▲ 21-Nov-15    0.00

POST CRUISE CALIBRATION