# Sea-Bird Electronics, Inc.
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SENSOR SERIAL NUMBER: 2355

SBE 37 RTC CALIBRATION DATA

CALIBRATION DATE: 30-Sep-16

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
rtca0 =  9.999745e-001
rtca1 =  1.763591e-006
rtca2 = -3.197951e-008

| BATH TEMPERATURE (° C) | RTC FREQUENCY (Hz) | COMPUTED FREQUENCY (Hz) | RESIDUAL (PPM) |
|---|---|---|---|
| 1.0000 | 0.9999760 | 0.9999762 | 0.2 |
| 4.5000 | 0.9999820 | 0.9999818 | -0.2 |
| 15.0000 | 0.9999940 | 0.9999937 | -0.3 |
| 18.5000 | 0.9999960 | 0.9999962 | 0.2 |
| 24.0000 | 0.9999980 | 0.9999984 | 0.4 |
| 29.0000 | 0.9999990 | 0.9999987 | -0.3 |
| 32.5000 | 0.9999980 | 0.9999980 | 0.0 |

t = temperature (°C)

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

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

Date, Delta F PPM
- 12-Dec-12   -0.00
- 30-Sep-16   -0.00



POST CRUISE CALIBRATION