# Sea-Bird Electronics, Inc.
## 13431 NE 20th Street, Bellevue, WA 98005-2010 USA
### Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 1804
CALIBRATION DATE: 30-Sep-16

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
rtca0 =  9.999731e-001
rtca1 =  1.903507e-006
rtca2 = -3.322435e-008

| BATH TEMPERATURE (° C) | RTC FREQUENCY (Hz) | COMPUTED FREQUENCY (Hz) | RESIDUAL (PPM) |
|---|---|---|---|
| 1.0000 | 0.9999750 | 0.9999750 | -0.0 |
| 4.5000 | 0.9999810 | 0.9999810 | -0.0 |
| 15.0000 | 0.9999940 | 0.9999942 | 0.2 |
| 18.5000 | 0.9999970 | 0.9999969 | -0.1 |
| 24.0000 | 1.0000000 | 0.9999997 | -0.3 |
| 29.0000 | 1.0000000 | 1.0000004 | 0.4 |
| 32.5000 | 1.0000000 | 0.9999999 | -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
● 04-Feb-14    0.00
▲ 30-Sep-16    0.00

POST CRUISE
CALIBRATION