

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2357

CALIBRATION DATE: 30-Sep-16

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999973e-001

rtca1 = 1.650119e-006

rtca2 = -3.229401e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.99999990	0.99999990	-0.0
4.5000	1.00000040	1.00000041	0.1
15.0000	1.00000150	1.00000148	-0.2
18.5000	1.00000170	1.00000168	-0.2
24.0000	1.00000180	1.00000183	0.3
29.0000	1.00000180	1.00000180	0.0
32.5000	1.00000170	1.00000169	-0.1

t = temperature (°C)

RTC frequency = rtca0 + rtca1 \* t + rtca2 \* t<sup>2</sup>

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

