

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1869

CALIBRATION DATE: 30-Sep-16

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999811e-001

rtca1 = 1.726221e-006

rtca2 = -3.122292e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999830	0.9999828	-0.2
4.5000	0.9999880	0.9999882	0.2
15.0000	1.0000000	1.0000000	-0.0
18.5000	1.0000020	1.0000023	0.3
24.0000	1.0000050	1.0000045	-0.5
29.0000	1.0000050	1.0000049	-0.1
32.5000	1.0000040	1.0000042	0.2

t = temperature (°C)

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

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

