

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1855  
CALIBRATION DATE: 22-Nov-15

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999872e-001

rtca1 = 1.696465e-006

rtca2 = -3.252415e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999890	0.9999889	-0.1
4.5000	0.9999940	0.9999942	0.2
15.0000	1.0000050	1.0000053	0.3
18.5000	1.0000080	1.0000074	-0.6
24.0000	1.0000090	1.0000092	0.2
29.0000	1.0000090	1.0000090	0.0
32.5000	1.0000080	1.0000080	-0.0

t = temperature (°C)

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

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

