

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0817
CALIBRATION DATE: 08-Dec-16

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.0000008e+000

rtca1 = 1.675856e-006

rtca2 = -3.513568e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	1.0000100	1.0000095	-0.5
4.5000	1.0000140	1.0000147	0.7
15.0000	1.0000250	1.0000251	0.1
18.5000	1.0000270	1.0000268	-0.2
24.0000	1.0000280	1.0000278	-0.2
29.0000	1.0000270	1.0000269	-0.1
32.5000	1.0000250	1.0000252	0.2

t = temperature (°C)

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

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

