

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2357
CALIBRATION DATE: 18-Oct-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	0.9999990	0.9999990	-0.0
4.5000	1.0000040	1.0000041	0.1
15.0000	1.0000150	1.0000148	-0.2
18.5000	1.0000170	1.0000168	-0.2
24.0000	1.0000180	1.0000183	0.3
29.0000	1.0000180	1.0000180	0.0
32.5000	1.0000170	1.0000169	-0.1

t = temperature (°C)

$\text{RTC frequency} = \text{rtca0} + \text{rtca1} * t + \text{rtca2} * t^2$

$\text{Residual (PPM)} = (\text{Computed RTC frequency} - \text{Measured RTC frequency}) * 1e6$

