

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4285  
CALIBRATION DATE: 04-Mar-15

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999783e-001

rtca1 = 1.809936e-006

rtca2 = -3.220965e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999800	0.9999801	0.1
4.5000	0.9999860	0.9999858	-0.2
15.0000	0.9999980	0.9999982	0.2
18.5000	1.0000010	1.0000008	-0.2
24.0000	1.0000030	1.0000032	0.2
29.0000	1.0000040	1.0000037	-0.3
32.5000	1.0000030	1.0000031	0.1

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

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

