

# SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1865  
CALIBRATION DATE: 21-Dec-10

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999773e-001

rtca1 = 1.803681e-006

rtca2 = -3.297502e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999790	0.9999791	0.1
4.5000	0.9999850	0.9999848	-0.2
15.0000	0.9999970	0.9999970	-0.0
18.5000	0.9999990	0.9999994	0.4
23.9999	1.0000020	1.0000016	-0.4
29.0000	1.0000020	1.0000019	-0.1
32.5000	1.0000010	1.0000011	0.1

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

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

