

# SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1866  
CALIBRATION DATE: 21-Dec-10

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999934e-001

rtca1 = 1.596638e-006

rtca2 = -3.227479e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999950	0.9999950	-0.0
4.5000	1.0000000	1.0000000	-0.0
15.0000	1.0000100	1.0000101	0.1
18.5000	1.0000120	1.0000119	-0.1
23.9999	1.0000130	1.0000132	0.2
29.0000	1.0000130	1.0000126	-0.4
32.5000	1.0000110	1.0000112	0.2

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

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

