

# SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1807  
CALIBRATION DATE: 19-Jan-11

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999740e-001

rtca1 = 1.775730e-006

rtca2 = -3.071928e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999760	0.9999757	-0.3
4.5000	0.9999810	0.9999814	0.4
15.0000	0.9999940	0.9999937	-0.3
18.5000	0.9999960	0.9999963	0.3
23.9999	0.9999990	0.9999989	-0.1
29.0000	1.0000000	0.9999997	-0.3
32.4999	0.9999990	0.9999993	0.3

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

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

Date, Delta F ppm

