

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3767
CALIBRATION DATE: 22-Dec-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999813e-001

rtca1 = 1.636628e-006

rtca2 = -3.073126e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999830	0.9999829	-0.1
4.5000	0.9999880	0.9999881	0.1
15.0000	0.9999990	0.9999990	-0.0
18.4999	1.0000010	1.0000011	0.1
23.9999	1.0000030	1.0000029	-0.1
29.0000	1.0000030	1.0000030	-0.0
32.5000	1.0000020	1.0000021	0.1

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

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

Date, Delta F ppm

