

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2003
CALIBRATION DATE: 05-Dec-06

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999814e-001

rtca1 = 1.763695e-006

rtca2 = -3.451866e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999830	0.9999832	0.2
4.5000	0.9999890	0.9999887	-0.3
15.0000	1.0000000	1.0000001	0.1
18.5000	1.0000020	1.0000023	0.3
23.9999	1.0000040	1.0000039	-0.1
28.9999	1.0000040	1.0000036	-0.4
32.5000	1.0000020	1.0000023	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

