

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3936
CALIBRATION DATE: 21-Nov-06

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999917e-001

rtca1 = 1.507030e-006

rtca2 = -3.178277e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999930	0.9999931	0.1
4.5000	0.9999980	0.9999978	-0.2
15.0000	1.0000070	1.0000071	0.1
18.5000	1.0000090	1.0000087	-0.3
24.0000	1.0000090	1.0000095	0.5
29.0000	1.0000090	1.0000086	-0.4
32.5000	1.0000070	1.0000071	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

