

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1863
CALIBRATION DATE: 21-Dec-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999892e-001

rtca1 = 1.686235e-006

rtca2 = -3.276657e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999910	0.9999909	-0.1
4.5000	0.9999960	0.9999961	0.1
15.0000	1.0000070	1.0000071	0.1
18.5000	1.0000090	1.0000092	0.2
23.9999	1.0000110	1.0000108	-0.2
29.0000	1.0000110	1.0000105	-0.5
32.5000	1.0000090	1.0000094	0.4

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

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

Date, Delta F ppm

