

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2333
CALIBRATION DATE: 23-Aug-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000007e+000

rtca1 = 1.196301e-006

rtca2 = -2.025688e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000080	1.0000080	0.0
4.4999	1.0000120	1.0000118	-0.2
15.0000	1.0000200	1.0000203	0.3
18.5000	1.0000220	1.0000221	0.1
23.9999	1.0000240	1.0000239	-0.1
29.0000	1.0000250	1.0000245	-0.5
32.4999	1.0000240	1.0000244	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

