

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2002
CALIBRATION DATE: 02-Jul-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999885e-001

rtca1 = 1.706844e-006

rtca2 = -3.015503e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999900	0.9999902	0.2
4.5000	0.9999960	0.9999956	-0.4
15.0000	1.0000070	1.0000074	0.4
18.5000	1.0000100	1.0000098	-0.2
24.0000	1.0000120	1.0000121	0.1
29.0000	1.0000130	1.0000127	-0.3
32.5000	1.0000120	1.0000122	0.2

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

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

Date, Delta F ppm

