

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3722
CALIBRATION DATE: 10-Dec-09

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999847e-001

rtca1 = 1.507040e-006

rtca2 = -3.178297e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999860	0.9999861	0.1
4.5000	0.9999910	0.9999908	-0.2
15.0000	1.0000000	1.0000001	0.1
18.4999	1.0000020	1.0000017	-0.3
24.0000	1.0000020	1.0000025	0.5
29.0000	1.0000020	1.0000016	-0.4
32.5001	1.0000000	1.0000001	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

