

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1869
CALIBRATION DATE: 11-Jan-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999801e-001

rtca1 = 1.732477e-006

rtca2 = -3.045759e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999820	0.9999818	-0.2
4.5000	0.9999870	0.9999873	0.3
15.0000	0.9999990	0.9999992	0.2
18.5000	1.0000020	1.0000017	-0.3
24.0000	1.0000040	1.0000041	0.1
29.0000	1.0000050	1.0000047	-0.3
32.5000	1.0000040	1.0000042	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

