

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3424
 CALIBRATION DATE: 31-Oct-08

SBE 37 RTC CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999791e-001
 rtca1 = 1.732464e-006
 rtca2 = -3.045729e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999810	0.9999808	-0.2
4.5000	0.9999860	0.9999863	0.3
15.0000	0.9999980	0.9999982	0.2
18.5000	1.0000010	1.0000007	-0.3
24.0000	1.0000030	1.0000031	0.1
29.0000	1.0000040	1.0000037	-0.3
32.5000	1.0000030	1.0000032	0.2

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

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

