

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0819
CALIBRATION DATE: 12-Jun-09

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999790e-001

rtca1 = 1.772439e-006

rtca2 = -2.891340e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999810	0.9999807	-0.3
4.4999	0.9999860	0.9999864	0.4
15.0001	0.9999990	0.9999991	0.1
18.5000	1.0000020	1.0000019	-0.1
24.0001	1.0000050	1.0000049	-0.1
29.0000	1.0000060	1.0000061	0.1
32.5000	1.0000060	1.0000060	0.0

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

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

Date, Delta F ppm

