

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1244
CALIBRATION DATE: 11-Dec-07

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999844e-001

rtca1 = 1.746933e-006

rtca2 = -3.115051e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999860	0.9999861	0.1
4.5000	0.9999920	0.9999916	-0.4
15.0000	1.0000030	1.0000036	0.6
18.5000	1.0000060	1.0000061	0.1
24.0000	1.0000090	1.0000084	-0.6
29.0000	1.0000090	1.0000089	-0.1
32.5000	1.0000080	1.0000083	0.3

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

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

Date, Delta F ppm

