

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0814
CALIBRATION DATE: 21-Jul-07

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999770e-001

rtca1 = 1.781985e-006

rtca2 = -2.995388e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999790	0.9999787	-0.3
4.5000	0.9999840	0.9999844	0.4
15.0000	0.9999970	0.9999970	-0.0
18.5000	1.0000000	0.9999997	-0.3
24.0000	1.0000020	1.0000025	0.5
29.0000	1.0000040	1.0000035	-0.5
32.5000	1.0000030	1.0000033	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

