

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3424
CALIBRATION DATE: 18-Aug-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999782e-001

rtca1 = 1.850031e-006

rtca2 = -3.320527e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999800	0.9999800	0.0
4.5000	0.9999860	0.9999858	-0.2
14.9999	0.9999980	0.9999985	0.5
18.5000	1.0000010	1.0000011	0.1
23.9999	1.0000040	1.0000035	-0.5
29.0000	1.0000040	1.0000039	-0.1
32.5001	1.0000030	1.0000032	0.2

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

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

Date, Delta F ppm

