

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4590
CALIBRATION DATE: 03-Jun-08

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999875e-001

rtca1 = 1.590374e-006

rtca2 = -3.303988e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999890	0.9999890	0.0
4.5000	0.9999940	0.9999939	-0.1
15.0002	1.0000040	1.0000039	-0.1
18.5000	1.0000050	1.0000056	0.6
24.0000	1.0000070	1.0000066	-0.4
29.0001	1.0000060	1.0000058	-0.2
32.5000	1.0000040	1.0000042	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

