

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2448
CALIBRATION DATE: 03-Jun-08

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000003e+000

rtca1 = 1.547123e-006

rtca2 = -3.277826e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000040	1.0000040	0.0
4.5000	1.0000090	1.0000088	-0.2
15.0002	1.0000180	1.0000184	0.4
18.5000	1.0000200	1.0000199	-0.1
24.0000	1.0000210	1.0000208	-0.2
29.0001	1.0000200	1.0000198	-0.2
32.5000	1.0000180	1.0000182	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

