

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2448
CALIBRATION DATE: 25-Nov-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000001e+000

rtca1 = 1.650223e-006

rtca2 = -3.483315e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000030	1.0000029	-0.1
4.5000	1.0000080	1.0000080	0.0
15.0000	1.0000180	1.0000182	0.2
18.5000	1.0000200	1.0000199	-0.1
23.9999	1.0000210	1.0000209	-0.1
28.9999	1.0000200	1.0000199	-0.1
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

