

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2448
CALIBRATION DATE: 04-Dec-09

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000001e+000

rtca1 = 1.635762e-006

rtca2 = -3.414002e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000030	1.0000026	-0.4
4.5000	1.0000070	1.0000077	0.7
15.0000	1.0000180	1.0000178	-0.2
18.5001	1.0000200	1.0000196	-0.4
24.0000	1.0000200	1.0000206	0.6
29.0000	1.0000200	1.0000197	-0.3
32.5001	1.0000180	1.0000181	0.1

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

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

Date, Delta F ppm

