

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0813
CALIBRATION DATE: 08-Dec-09

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999798e-001

rtca1 = 1.597408e-006

rtca2 = -2.632706e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0001	0.9999810	0.9999814	0.4
4.5000	0.9999870	0.9999865	-0.5
14.9999	0.9999980	0.9999979	-0.1
18.5000	1.0000000	1.0000004	0.4
24.0000	1.0000030	1.0000030	-0.0
29.0000	1.0000040	1.0000040	0.0
32.4999	1.0000040	1.0000039	-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

