

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0810
CALIBRATION DATE: 01-Dec-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999741e-001

rtca1 = 1.726101e-006

rtca2 = -2.868348e-008

BATH TEMP (ITS-90)	RTC FREQO (Hz)	COMPUTED FREQO (Hz)	RESIDUAL (PPM)
0.9999	0.9999760	0.9999758	-0.2
4.4999	0.9999810	0.9999813	0.3
15.0000	0.9999940	0.9999936	-0.4
18.5000	0.9999960	0.9999962	0.2
24.0000	0.9999990	0.9999990	0.0
29.0000	1.0000000	1.0000001	0.1
32.5000	1.0000000	0.9999999	-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

