

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1242
CALIBRATION DATE: 04-Jun-08

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999612e-001

rtca1 = 1.682962e-006

rtca2 = -3.096123e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999630	0.9999628	-0.2
4.4999	0.9999680	0.9999681	0.1
14.9999	0.9999790	0.9999795	0.5
18.4999	0.9999820	0.9999817	-0.3
23.9999	0.9999840	0.9999837	-0.3
29.0000	0.9999840	0.9999839	-0.1
32.5000	0.9999830	0.9999832	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

