

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1242
CALIBRATION DATE: 10-Dec-09

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999613e-001

rtca1 = 1.642882e-006

rtca2 = -2.996586e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999630	0.9999629	-0.1
4.5000	0.9999680	0.9999681	0.1
15.0000	0.9999790	0.9999792	0.2
18.4999	0.9999820	0.9999815	-0.5
24.0000	0.9999830	0.9999835	0.5
29.0000	0.9999840	0.9999838	-0.2
32.5001	0.9999830	0.9999831	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

