

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0828
CALIBRATION DATE: 31-May-07

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999670e-001

rtca1 = 1.612659e-006

rtca2 = -2.899860e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0001	0.9999690	0.9999686	-0.4
4.5000	0.9999730	0.9999737	0.7
15.0000	0.9999850	0.9999847	-0.3
18.5000	0.9999870	0.9999869	-0.1
24.0000	0.9999890	0.9999890	0.0
29.0000	0.9999890	0.9999894	0.4
32.5000	0.9999890	0.9999888	-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

