

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4303
CALIBRATION DATE: 01-Feb-08

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999896e-001

rtca1 = 1.547031e-006

rtca2 = -3.023951e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
1.0000	0.9999910	0.9999911	0.1
4.5000	0.9999960	0.9999959	-0.1
14.9999	1.0000060	1.0000060	-0.0
18.5000	1.0000080	1.0000078	-0.2
23.9998	1.0000090	1.0000093	0.3
29.0000	1.0000090	1.0000090	0.0
32.5000	1.0000080	1.0000079	-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

