

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2323
CALIBRATION DATE: 05-Jan-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999861e-001

rtca1 = 1.739721e-006

rtca2 = -3.278591e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999880	0.9999878	-0.2
4.5000	0.9999930	0.9999933	0.3
14.9999	1.0000050	1.0000048	-0.2
18.5000	1.0000070	1.0000071	0.1
24.0000	1.0000090	1.0000090	-0.0
29.0000	1.0000090	1.0000090	-0.0
32.5000	1.0000080	1.0000080	0.0

$$\text{RTC frequency} = \text{rtca0} + \text{rtca1} * t + \text{rtca2} * t^2$$

$$\text{Residual} = (\text{Computed RTC frequency} - \text{Measured RTC frequency}) * 1e6$$

Date, Delta F ppm

