

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1869
CALIBRATION DATE: 24-Jan-12

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999803e-001

rtca1 = 1.803680e-006

rtca2 = -3.297508e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999820	0.9999821	0.1
4.4999	0.9999880	0.9999878	-0.2
14.9999	1.0000000	1.0000000	-0.0
18.5000	1.0000020	1.0000024	0.4
24.0000	1.0000050	1.0000046	-0.4
29.0000	1.0000050	1.0000049	-0.1
32.5000	1.0000040	1.0000041	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

