

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0822
CALIBRATION DATE: 17-Apr-12

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999763e-001

rtca1 = 1.796441e-006

rtca2 = -3.064680e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999780	0.9999781	0.1
4.5000	0.9999840	0.9999838	-0.2
15.0000	0.9999960	0.9999964	0.4
18.5000	0.9999990	0.9999991	0.1
24.0000	1.0000020	1.0000018	-0.2
29.0000	1.0000030	1.0000026	-0.4
32.5000	1.0000020	1.0000023	0.3

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

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

Date, Delta F ppm

