

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0805

CALIBRATION DATE: 11-Feb-14

SBE 39 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999714e-001

rtca1 = 1.614724e-006

rtca2 = -3.323942e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999690	0.9999689	-0.1
1.0000	0.9999730	0.9999730	0.0
4.5000	0.9999780	0.9999780	0.0
8.0000	0.9999820	0.9999822	0.2
11.5000	0.9999860	0.9999856	-0.4
15.0000	0.9999880	0.9999882	0.2
18.5000	0.9999900	0.9999899	-0.1
22.0000	0.9999910	0.9999909	-0.1
25.5000	0.9999910	0.9999910	0.0
29.0000	0.9999900	0.9999903	0.3
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

