

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0987

CALIBRATION DATE: 14-Feb-14

SBE 39 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999882e-001

rtca1 = 1.541938e-006

rtca2 = -3.594499e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999860	0.9999858	-0.2
1.0000	0.9999900	0.9999897	-0.3
4.5000	0.9999940	0.9999944	0.4
8.0000	0.9999980	0.9999982	0.2
11.5000	1.0000010	1.0000012	0.2
15.0000	1.0000030	1.0000033	0.3
18.5000	1.0000050	1.0000044	-0.6
22.0000	1.0000050	1.0000047	-0.3
25.5000	1.0000040	1.0000042	0.2
29.0000	1.0000030	1.0000027	-0.3
32.5000	1.0000000	1.0000004	0.4

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

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

