

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0580

CALIBRATION DATE: 11-Feb-14

SBE 39 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999744e-001

rtca1 = 1.624187e-006

rtca2 = -3.622869e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
-1.5000	0.9999720	0.9999719	-0.1
1.0000	0.9999760	0.9999760	0.0
4.5000	0.9999810	0.9999810	0.0
8.0000	0.9999850	0.9999851	0.1
11.5000	0.9999880	0.9999883	0.3
15.0000	0.9999910	0.9999906	-0.4
18.5000	0.9999920	0.9999921	0.1
22.0000	0.9999930	0.9999926	-0.4
25.5000	0.9999920	0.9999923	0.3
29.0000	0.9999910	0.9999911	0.1
32.5000	0.9999890	0.9999889	-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

