

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0818
CALIBRATION DATE: 17-Jan-12

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999854e-001

rtca1 = 1.553758e-006

rtca2 = -3.504240e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
-1.5001	0.9999830	0.9999830	0.0
0.9999	0.9999870	0.9999870	-0.0
4.4999	0.9999920	0.9999917	-0.3
7.9999	0.9999950	0.9999956	0.6
11.4999	0.9999990	0.9999987	-0.3
14.9999	1.0000010	1.0000009	-0.1
18.4999	1.0000020	1.0000022	0.2
21.9999	1.0000030	1.0000027	-0.3
25.4999	1.0000020	1.0000023	0.3
28.9999	1.0000010	1.0000010	0.0
32.4999	0.9999990	0.9999989	-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

