

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0512
CALIBRATION DATE: 13-Jan-12

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999745e-001

rtca1 = 1.568330e-006

rtca2 = -3.457149e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5001	0.9999720	0.9999721	0.1
0.9999	0.9999760	0.9999760	0.0
4.4999	0.9999810	0.9999809	-0.1
7.9999	0.9999850	0.9999848	-0.2
11.4999	0.9999880	0.9999880	-0.0
14.9999	0.9999900	0.9999903	0.3
18.4999	0.9999920	0.9999917	-0.3
21.9999	0.9999920	0.9999923	0.3
25.4999	0.9999920	0.9999920	0.0
28.9999	0.9999910	0.9999909	-0.1
32.4999	0.9999890	0.9999890	-0.0

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

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

Date, Delta F ppm

