

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0508
CALIBRATION DATE: 13-Jan-12

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999704e-001

rtca1 = 1.595663e-006

rtca2 = -3.425653e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
-1.5001	0.9999680	0.9999680	-0.0
0.9999	0.9999720	0.9999720	0.0
4.4999	0.9999770	0.9999769	-0.1
7.9999	0.9999810	0.9999810	0.0
11.4999	0.9999840	0.9999843	0.3
14.9999	0.9999870	0.9999867	-0.3
18.4999	0.9999880	0.9999882	0.2
21.9999	0.9999890	0.9999890	-0.0
25.4999	0.9999890	0.9999889	-0.1
28.9999	0.9999880	0.9999879	-0.1
32.4999	0.9999860	0.9999861	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

