

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0814  
CALIBRATION DATE: 17-Jan-12

SBE 39 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999983e-001

rtca1 = 1.493468e-006

rtca2 = -3.496306e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
-1.5001	0.9999960	0.9999960	0.0
0.9999	1.0000000	0.9999998	-0.2
4.4999	1.0000040	1.0000043	0.3
7.9999	1.0000080	1.0000080	0.0
11.4999	1.0000110	1.0000109	-0.1
14.9999	1.0000130	1.0000129	-0.1
18.4999	1.0000140	1.0000140	-0.0
21.9999	1.0000140	1.0000143	0.3
25.4999	1.0000140	1.0000137	-0.3
28.9999	1.0000120	1.0000122	0.2
32.4999	1.0000100	1.0000099	-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

