

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0807  
CALIBRATION DATE: 11-Feb-14

SBE 39 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999815e-001

rtca1 = 1.601355e-006

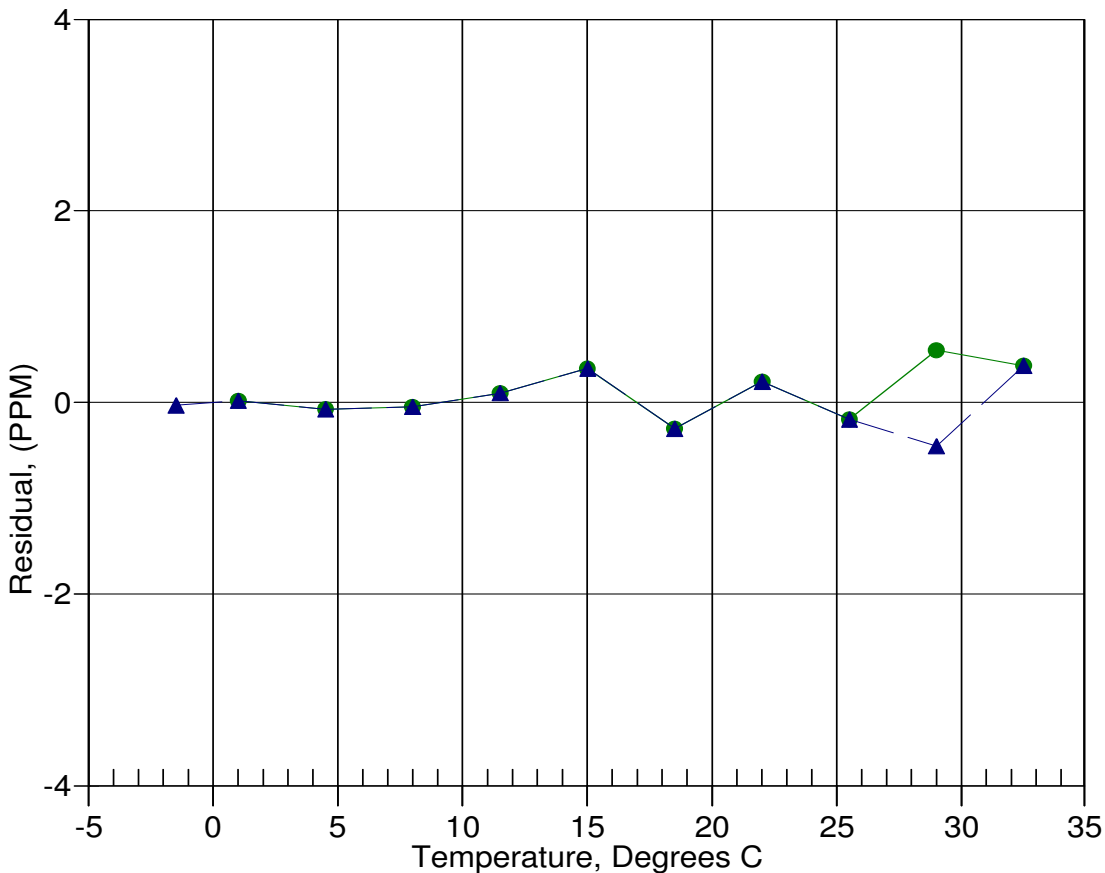
rtca2 = -3.608520e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999790	0.9999790	-0.0
1.0000	0.9999830	0.9999830	0.0
4.5000	0.9999880	0.9999879	-0.1
8.0000	0.9999920	0.9999920	-0.0
11.5000	0.9999950	0.9999951	0.1
15.0000	0.9999970	0.9999974	0.4
18.5000	0.9999990	0.9999987	-0.3
22.0000	0.9999990	0.9999992	0.2
25.5000	0.9999990	0.9999988	-0.2
29.0000	0.9999980	0.9999975	-0.5
32.5000	0.9999950	0.9999954	0.4

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

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

Date, Delta F ppm



09-Dec-11 1.03  
11-Feb-14 0.00