

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1678  
CALIBRATION DATE: 15-Jan-12

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999611e-001

rtca1 = 1.722957e-006

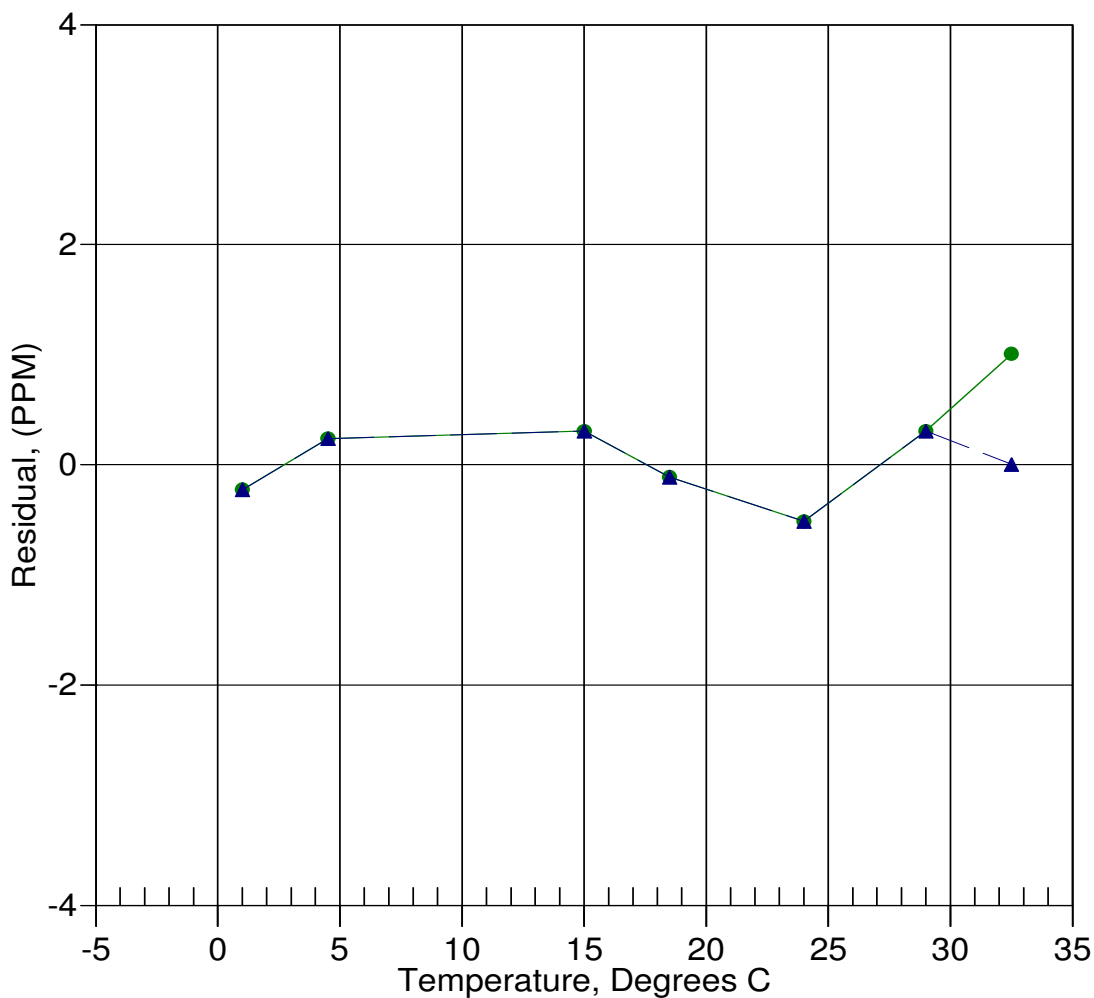
rtca2 = -2.941770e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999630	0.9999628	-0.2
4.5000	0.9999680	0.9999682	0.2
15.0000	0.9999800	0.9999803	0.3
18.4999	0.9999830	0.9999829	-0.1
24.0000	0.9999860	0.9999855	-0.5
29.0000	0.9999860	0.9999863	0.3
32.5002	0.9999860	0.9999860	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



21-Dec-10 1.00  
15-Jan-12 -0.00