

# Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 3766  
CALIBRATION DATE: 16-Dec-11

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999806e-001

rtca1 = 1.533532e-006

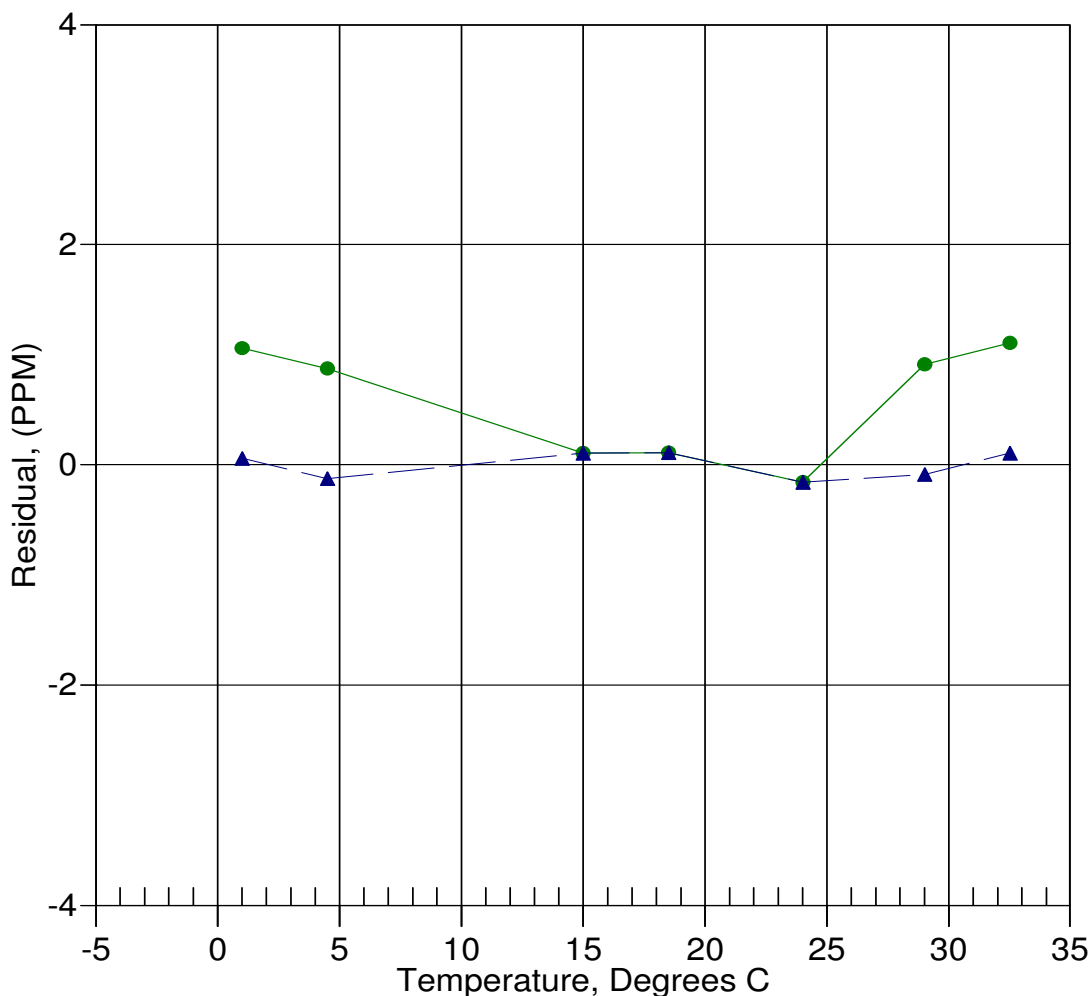
rtca2 = -2.867661e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999820	0.9999821	0.1
4.4999	0.9999870	0.9999869	-0.1
14.9999	0.9999970	0.9999971	0.1
18.5000	0.9999990	0.9999991	0.1
24.0000	1.0000010	1.0000008	-0.2
29.0000	1.0000010	1.0000009	-0.1
32.5000	1.0000000	1.0000001	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



30-Jul-09 4.00  
16-Dec-11 -0.00