

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: 0807
CALIBRATION DATE: 09-Dec-11

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999814e-001

rtca1 = 1.613629e-006

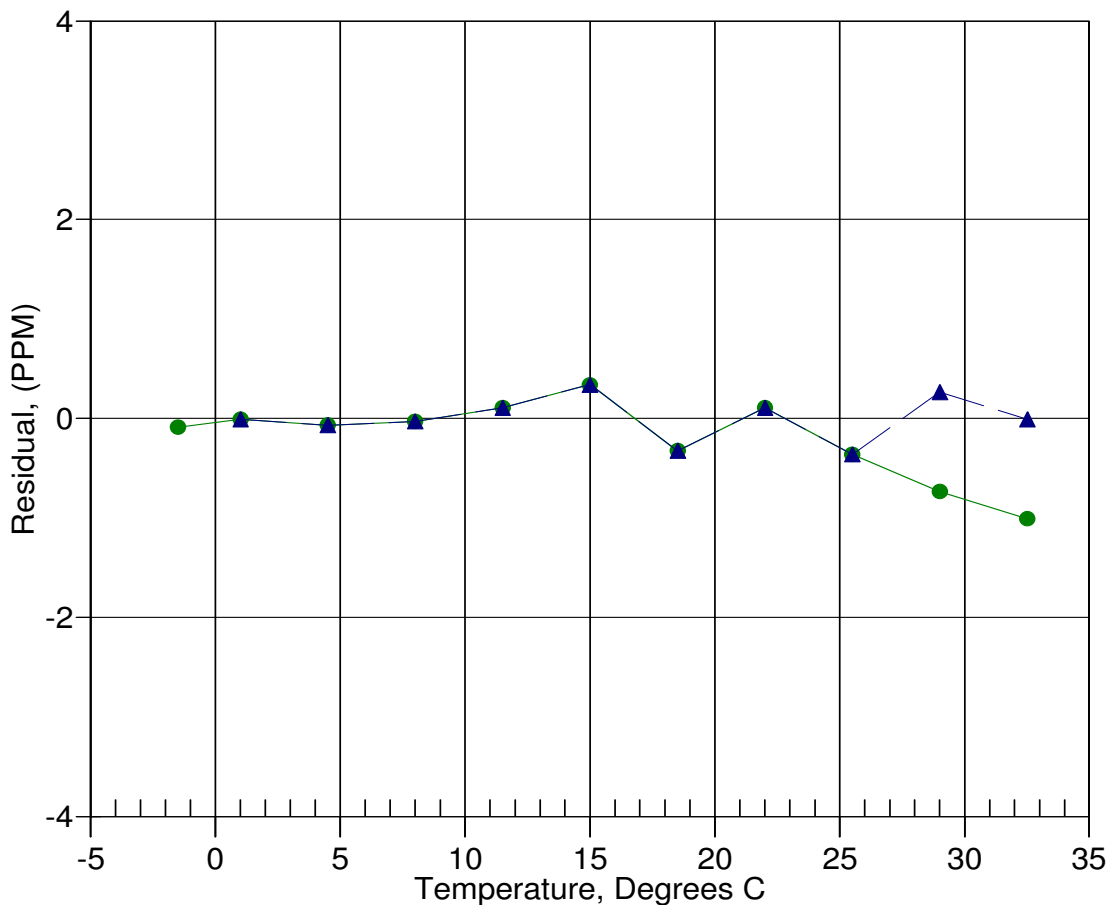
rtca2 = -3.679654e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999830	0.9999830	-0.0
4.4999	0.9999880	0.9999879	-0.1
7.9999	0.9999920	0.9999920	-0.0
11.4999	0.9999950	0.9999951	0.1
14.9999	0.9999970	0.9999973	0.3
18.4999	0.9999990	0.9999987	-0.3
21.9999	0.9999990	0.9999991	0.1
25.4999	0.9999990	0.9999986	-0.4
28.9999	0.9999970	0.9999973	0.3
32.4999	0.9999950	0.9999950	-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



● 29-Jul-09 -2.09
▲ 09-Dec-11 -0.00