

# 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: 0987  
CALIBRATION DATE: 09-Dec-11

SBE 39 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999883e-001

rtca1 = 1.510802e-006

rtca2 = -3.501158e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5001	0.9999860	0.9999859	-0.1
0.9999	0.9999900	0.9999897	-0.3
4.4999	0.9999940	0.9999944	0.4
7.9999	0.9999980	0.9999981	0.1
11.4999	1.0000010	1.0000010	0.0
14.9999	1.0000030	1.0000030	0.0
18.4999	1.0000040	1.0000042	0.2
21.9999	1.0000050	1.0000046	-0.4
25.4999	1.0000040	1.0000040	0.0
28.9999	1.0000030	1.0000026	-0.4
32.4999	1.0000000	1.0000004	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

