

# 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: 0580  
CALIBRATION DATE: 08-Dec-11

SBE 39 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999744e-001

rtca1 = 1.624180e-006

rtca2 = -3.622869e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
-1.5001	0.9999720	0.9999719	-0.1
0.9999	0.9999760	0.9999760	0.0
4.4999	0.9999810	0.9999810	0.0
7.9999	0.9999850	0.9999851	0.1
11.4999	0.9999880	0.9999883	0.3
14.9999	0.9999910	0.9999906	-0.4
18.4999	0.9999920	0.9999921	0.1
21.9999	0.9999930	0.9999926	-0.4
25.4999	0.9999920	0.9999923	0.3
28.9999	0.9999910	0.9999911	0.1
32.4999	0.9999890	0.9999889	-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

