

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: 0554
CALIBRATION DATE: 08-Dec-11

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999715e-001

rtca1 = 1.657824e-006

rtca2 = -3.482842e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
-1.5001	0.9999690	0.9999690	-0.0
0.9999	0.9999730	0.9999731	0.1
4.4999	0.9999780	0.9999783	0.3
7.9999	0.9999830	0.9999826	-0.4
11.4999	0.9999860	0.9999860	-0.0
14.9999	0.9999890	0.9999886	-0.4
18.4999	0.9999900	0.9999903	0.3
21.9999	0.9999910	0.9999911	0.1
25.4999	0.9999910	0.9999912	0.2
28.9999	0.9999900	0.9999903	0.3
32.4999	0.9999890	0.9999886	-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

