

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: 0570
CALIBRATION DATE: 08-Dec-11

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999803e-001

rtca1 = 1.575575e-006

rtca2 = -3.454472e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
-1.5001	0.9999780	0.9999779	-0.1
0.9999	0.9999820	0.9999818	-0.2
4.4999	0.9999860	0.9999867	0.7
7.9999	0.9999910	0.9999907	-0.3
11.4999	0.9999940	0.9999939	-0.1
14.9999	0.9999960	0.9999962	0.2
18.4999	0.9999980	0.9999976	-0.4
21.9999	0.9999980	0.9999982	0.2
25.4999	0.9999980	0.9999980	0.0
28.9999	0.9999970	0.9999969	-0.1
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

