

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: 1852

CALIBRATION DATE: 06-Feb-14

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999822e-001

rtca1 = 1.686132e-006

rtca2 = -3.022745e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999840	0.9999839	-0.1
4.5000	0.9999890	0.9999892	0.2
15.0000	1.0000010	1.0000007	-0.3
18.5000	1.0000030	1.0000031	0.1
24.0000	1.0000050	1.0000053	0.3
29.0000	1.0000060	1.0000057	-0.3
32.5000	1.0000050	1.0000051	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

