

# 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: 1850

CALIBRATION DATE: 05-Feb-14

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999840e-001

rtca1 = 1.786062e-006

rtca2 = -3.301592e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999860	0.9999857	-0.3
4.5000	0.9999910	0.9999913	0.3
15.0000	1.0000030	1.0000033	0.3
18.5000	1.0000060	1.0000057	-0.3
24.0000	1.0000080	1.0000078	-0.2
29.0000	1.0000080	1.0000080	-0.0
32.5000	1.0000070	1.0000071	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

