

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: 3767
CALIBRATION DATE: 07-Mar-15

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999810e-001

rtca1 = 1.793301e-006

rtca2 = -3.534411e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999830	0.9999828	-0.2
4.5000	0.9999880	0.9999883	0.3
15.0000	1.0000000	0.9999999	-0.1
18.5000	1.0000020	1.0000021	0.1
24.0000	1.0000040	1.0000037	-0.3
29.0000	1.0000030	1.0000033	0.3
32.5000	1.0000020	1.0000019	-0.1

$$\text{RTC frequency} = \text{rtca0} + \text{rtca1} * t + \text{rtca2} * t^2$$

$$\text{Residual} = (\text{Computed RTC frequency} - \text{Measured RTC frequency}) * 1e6$$

