

# 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: 2329  
CALIBRATION DATE: 03-Mar-15

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 1.0000003e+000  
rtca1 = 1.476681e-006  
rtca2 = -2.431294e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000040	1.0000041	0.1
4.5000	1.0000090	1.0000088	-0.2
15.0000	1.0000190	1.0000193	0.3
18.5000	1.0000220	1.0000217	-0.3
24.0000	1.0000240	1.0000241	0.1
29.0000	1.0000250	1.0000250	0.0
32.5000	1.0000250	1.0000250	-0.0

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

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

